


CURRICULUM VITAE

Prof. (Dr.) DINESH YADAV

<p><i>Professor (Biotechnology)</i> <i>Director, Research & Development Cell</i> <i>Dean, Faculty of Rural Sciences</i> <i>Nodal Officer, IPR cell (UPCST)</i> <i>Former Coordinator, Centre for Genomics and Bioinformatics</i> <i>Former Coordinator, M.Sc. Plant Biotechnology</i> <i>Former Coordinator, Research Cell</i> <i>Former Head, Department of Biotechnology</i> <i>D.D.U Gorakhpur University, Gorakhpur 273 009</i></p> <p>E-mails: dinesh_yad@rediffmail.com; dinesh.biotech@ddugu.ac.in; dineshyad71@gmail.com Mobile: 09411793038</p>	
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ACADEMIC QUALIFICATIONS

Degree/Exam . Passed	Year of Passing	Board/ University	Subject/ Discipline/ Specialization	Class/ Division	% of marks/ Grades
X [10]	1987	CBSE (KV AF St. Gorakhpur, U.P.)	English, Hindi, Sciences, Social Sciences and Maths	1 st	72.0
XII [10+2]	1989	CBSE (KV AF St. Gorakhpur, U.P.)	English, Maths, Physics, Chemistry and Biology	1 st	65.2
B.Sc.	1992	University of Gorakhpur, Gorakhpur, U.P.	Botany, Zoology and Chemistry	1 st	63.9
M.Sc.	1996	Devi Ahilya University, Indore, M.P.	Biotechnology	1 st	75.3

Ph.D.	2002	G. B. Pant University of Agriculture and Technology, Pantnagar, Uttarakhand	Major: Molecular Biology and Biotechnology Minor: Biochemistry	1 st	79.9
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AWARDS / FELLOWSHIPS

- ❖ Awarded for **Excellence in Teaching and Research** in the area of Higher Education by the University on Teacher's Day Celebration on 05/09/2021.
- ❖ Awarded **Dr. Pushendra Kumar Gupta Vishisht Krishi Vaigyanik Puraskar-2015** in the field of Agricultural Sciences by **Uttar Pradesh Academy of Agricultural Sciences (UPAAS)** on 4th U.P. Agricultural Science Congress organized by Chandra Shekhar Azad University of Agriculture and Technology, Kanpur (02-04th March 2016).
- ❖ Awarded for **BEST ORAL Presentation** for paper entitled "**Biochemical, Molecular, Genomics and Bioinformatics Insights of Fungal Pectinases**" at National Conference on "**Emerging Trends in Fungal Biology and Plant Protection (ETFPP-2016)** and **42nd Annual Meeting of the Mycological Society of India**" organized by CAS in Botany, Banaras Hindu University, Varanasi **16-18th Feb. 2016**.
- ❖ **DST-BOYSCAST Fellowship** 2010-11 by Department of Science and Technology, Govt. of India in "**Molecular Biology of Biotic and Abiotic stress in Plants**" at **Australian Centre for Plant Functional Genomics (ACPFG), The University of Adelaide**, South Australia (**3rd May 2012 to 12th April 2013**).
- ❖ As **Expert** for the **2nd State level Inspire Award Exhibition** organized by State Council of Educational Research and Training, Uttar Pradesh, Lucknow from **19-20th September 2013**.
- ❖ **Bharat Shiksha Ratan Award, 2012** by Global Society for Health and Educational Growth (GSHEG), New Delhi in the 34th National Seminar and Awards Function held on 27th Feb. 2012 at Speaker Hall, Constitution Club of India, Vithal Bhai Patel House, Rafi Marg, New Delhi.
- ❖ As **Jury member** in the panel of DST-sponsored INSPIRE-Award-2010 (U.P.) at D.D.U Gorakhpur University, Jan 22-23, 2011.
- ❖ **Young Scientist Award-2008** by Uttarakhand State Council of Science & Technology in the discipline Biotechnology, Biochemistry and Microbiology.

- ❖ CSIR-SRF (11th May 2000 to 15th Dec.2000).
- ❖ CSIR-UGC (NET) June 1999.
- ❖ DBT Project Senior Research Fellowship (4th Feb.1999 to 11th May2000).
- ❖ G.B. Pant University of Agriculture and Technology Ph.D. scholarship (27th July 1998 to 3rd February1999)
- ❖ DBT Project Junior Research Fellowship (3rd March 1997 to 16th January 1998)
- ❖ Department of Biotechnology, Govt. of India merit scholarship for M.Sc Biotechnology programme (1994 -1996).

INDUSTRIAL TRAINING (19th May 1995 to 3rd July 1995)

Industrial training on various aspects of **Plant Tissue Culture** from Agrochemical research station, **Rallies India Limited**, Bangalore.

M. Sc. DISSERTATION (January-June1996)

“STUDIES ON DIFFERENT METHODS OF GENETIC TRANSFORMATION OF *Nicotiana tabacum*” (under joint supervision of Dr. Rakesh Tuli and Dr. B.K Sarangi from CSIR-National Botanical Research Institute (NBRI), Lucknow, Uttar Pradesh)

Ph.D. THESIS (1998-2002) Awarded in 2002

“PCR AMPLIFICATION AND CLONING OF TRITICIN cDNAs, ITS HYPERVARIABLE REGION AND DIFFERENT SEED SPECIFIC PROMOTERS” (under supervision of Dr. N. K Singh, presently National Professor B.P Pal Chair, and Director National Institute of Plant Biotechnology (Formerly NRCPB), IARI, New Delhi from Department of Molecular Biology and Genetic Engineering, College of Basic Sciences and Humanities, G.B. Pant University of Agriculture and Technology, Pantnagar).

Post-Doctoral Fellowship (PDF)DST BOYSCAST Fellowship (03-05-2012 to 12-04-2013)

“CHARACTERIZATION OF GENES INVOLVED IN THE FORMATION AND REGULATION OF DROUGHT RESPONSIVE NF-Y TRANSCRIPTION COMPLEX: ANALYSIS OF TRANSGENIC WHEAT AND BARLEY PLANTS WITH UP REGULATED NF-Y TRANSCRIPTION FACTORS” (Under supervision of Dr. Sergiy

Lopato at Australian Centre for Plant Functional Genomics, The University of Adelaide, South Australia)

AREA OF SPECIALIZATION

- Molecular Biology and Bioinformatics
- Plant Biotechnology
- Enzyme technology

CURRENT RESEARCH WORK

- ❖ **PLANT BIOTECHNOLOGY (MOLECULAR AND BIOINFORMATICS STUDIES ON DOF (DNA binding with One Finger) AND NF-Y (Nuclear Factor-Y) TRANSCRIPTION FACTOR GENE FAMILY OF DIFFERENT CROPS).**
- ❖ **ENZYME TECHNOLOGY (ENZYMATIC, BIOCHEMICAL, MOLECULAR, METAGENOMICS AND BIOINFORMATICS STUDIES ON MICROBIAL PECTINASES, XYLANASES, PROTEASES AND AMYLASES).**

WORK EXPERIENCE (in chronological order)

Sl. No	Period		Total Experience [in Years & Months]	Position Held	Pay Scale, AGP & last/present basic	Organization
	From	To				
1.	16-12-2015	Continuing	8 years	Professor	37400-67000, Grade pay-10000	D.D.U Gorakhpur University, Gorakhpur
2.	02-08-2016	01-08-2019	3 years	Professor & Head	37400-67000, Grade pay-10000	D.D.U Gorakhpur University, Gorakhpur
3.	16-12-2012	15-12-2015	03 years	Associate Professor	37400-67000, Grade pay-9000	D.D.U Gorakhpur University, Gorakhpur
4.	16-12-2009	15-12-2012	03 years	Reader	15600-39000, Grade Pay-8000	D.D.U Gorakhpur University, Gorakhpur
5.	15-06-2009	15-12-2009	06 months	Lecturer (Senior Scale)	15600-39000, Grade pay 7000)	D.D.U Gorakhpur University, Gorakhpur
6.	15-06-2006	14-06-2009	03 years	Associate Professor	12000-420-18300- (old pay scale)	G.B Pant University of Agriculture and Technology,

						PANTNAGAR, Uttarakhand
7.	16- 12- 2004	14- 06- 2006	01 year 06 Months	Lecturer (Senior Scale)	10000-325- 15200 (Old pay scale)	D.D.U Gorakhpur University, Gorakhpur
8.	16- 12- 2000	15- 12- 2004	04 years	Lecturer	8000-275- 13500 (Old pay scale)	D.D.U Gorakhpur University, Gorakhpur

TEACHING EXPERIENCES (23 years)

- ❖ Molecular Biology (M.Sc. Biotechnology DDU Gorakhpur University, Gorakhpur)
- ❖ Genomics, Bioinformatics & Biostatistics (M.Sc. Biotechnology DDU Gorakhpur University, Gorakhpur)
- ❖ Genetic Engineering (M.Sc. Biotechnology DDU Gorakhpur University, Gorakhpur)
- ❖ Plant Biotechnology (M.Sc. Biotechnology DDU Gorakhpur University, Gorakhpur)
- ❖ Microbiology (M.Sc. Biotechnology DDU Gorakhpur University, Gorakhpur)
- ❖ Microbial Genomics and Bioinformatics (M. Sc Microbiology DDU Gorakhpur University)
- ❖ Environmental Biotechnology (M.Sc. Biotechnology DDU Gorakhpur University, Gorakhpur)
- ❖ Principles and Application of Genetic Engineering (M. Sc course, Department of Molecular Biology and Genetic Engineering, G.B.Pant University of Agriculture and Technology, Pantnagar).
- ❖ Techniques in Genetic Engineering (M.Sc. course, Department of Molecular Biology and Genetic Engineering, G.B. Pant University of Agriculture and Technology, Pantnagar).
- ❖ Genetic Engineering in Crop productivity (Ph. D course, Department of Molecular Biology and Genetic Engineering, G.B. Pant University of Agriculture and Technology, Pantnagar).
- ❖ Biotechnology in Crop Improvement (UG course Department of Genetics and Plant breeding G.B. Pant University of Agriculture and Technology, Pantnagar).
- ❖ Fundamental of Molecular Biology (M.Sc. course, Department of Molecular Biology and Genetic Engineering, G.B. Pant University of Agriculture and Technology, Pantnagar)

RESEARCH PROJECTS(Completed/Ongoing)

Sl. No.	Title of Project	Period	Funding Agency	Amount [in lakhs]	Principal Investigator/ Mentor / Co-Investigator[s]/Status
1	Mechanistic insights into priming mediated by chemical elicitors in chickpea against wilting caused by <i>Fusarium oxysporum</i> F. sp. <i>ciceris</i> (File Number: PDF/2020/002028 dated 24/12/2020)	2021-2023	SERB-National Post-Doctoral Fellowship awarded to Dr. Rupali Gupta	19.2(ap prox.)	As Mentor (The project was awarded but could not be executed as Dr. Rupali Gupta continued her Post-Doctoral from Israel)
2	Application of microbial enzymes isolated from environmental samples for preparation of handmade paper (No.DST/WOS-B/2018/1707-C & G) dated 26/09/2019)	15/10/2019 to 14/10/2022	DST-Women Scientist-B awarded to Dr. Aiman Tanveer	36.48	As Mentor (completed)
3	Genome wide identification, molecular cloning and expression profiling of Nuclear Factor-Y (NF-Y) transcription factor of Chickpea. (No. F.4-2/2006(BSR)/BL/17-18/0001 dated 1st Feb. 2018)	06/03/2018 to	UGC- Dr. D.S Kothari Post-Doctoral Fellowship to Dr. Mohd. Sahab	7.24 (one year)	As Mentor (Project ended due to resignation of Dr. Mohd. Sahab)
4	Genome wide characterization of DNA binding with One finger(DOF) transcription factor gene family of chickpea for identifying genomic resources for developing biotic and abiotic stress tolerance” (No.738/DYCROPS/R F/2014 dated 30/07/2014)	28/07/2014 to 28/07/2017	UP Council of Agricultural Research, Lucknow	15.18 lakhs	As Principal Investigator (Completed)
5	Mining of soil metagenome for cloning, expression and characterization of novel pectin	10 th Feb. 2014 to 9 th Feb 2017	UGC- Dr. D.S Kothari Post-Doctoral Fellowship to Dr. Aiman Tanveer	14.592 lakhs	As Mentor (Completed)

	lyase genes (No.F.4-2/2006(BSR)/BL/13-14/0220 dated 02/12/2013)				
6	Genome wide identification, molecular cloning and in silico characterization of Dof (DNA binding with One Finger) transcription factor genes of pigeon pea (<i>Cajanus cajan</i> (L) Millisp.)” (No. SR/WOS-A/LS-110/2012 (G) dated 15/05/2013)	May 2013 to May 2016	DST sponsored Women Scientist Scheme A (WOS-A) to Dr. Neha Malviya	26.0 lakhs	As Mentor (<i>Completed</i>)
7	Molecular Cloning, Expression and in silico Characterization of Microbial Pectin Lyase Gene(s) (F.No.37-133/2009 (SR) dated 12/01/2010)	Feb. 2010 to Feb 2013	UGC-major project	11.113 lakhs	As Principal Investigator (<i>Completed</i>)
8	Investigating the role of Dof transcription factor in accumulation of seed storage proteins and nitrogen metabolism during grain development in finger millet (BT/PR7849/AGR/02/374/2006)	29 th Sept. 2006 to 14 th June 2009	DBT Programme Support for Research and Development in Agricultural Biotechnology at G.B Pant University of Agriculture and Technology, Pantnagar	796.93 lakhs for 8 projects in total	As Principal Investigator Co-PI: Dr. Anil Kumar & Dr. Munna Singh (<i>Completed</i>)
9	Characterization of proteins of nutritional importance and isolation of relevant genes and promoters from finger millets (BT/PR7849/AGR/02/374/2006)	29 th Sept. 2006 to 14 th June 2009	-do-	796.93 lakhs for 8 projects in total	As Co-PI (<i>Completed</i>)

RESEARCH SUPERVISION

Ph.D. THESIS AWARDED/SUBMITTED/ONGOING (Awarded=12; Registered =05)

Sl. No.	Title of Ph.D. Thesis	University/Institute	Name of student[s]	Year	Status [Awarded /submitted /ongoing]
1	Isolation, purification and characterization of proteinase inhibitors from wild legumes	D.D.U Gorakhpur University, Gorakhpur	Sarad Kumar Mishra	2006 (R:24/02/2003)	Awarded (09-06-2009)
2	Seed storage protein profiling and RAPD analysis of legumes	D.D.U Gorakhpur University, Gorakhpur	Neha Malviya (availed CSIR-JRF-SRF fellowship)	2009 (R:07/08/2004)	Awarded (21-11-2009)
3	Studies on in vitro regeneration of pigeonpea (<i>Cajanus cajan</i> (L) Millsp.)	D.D.U Gorakhpur University, Gorakhpur	Vandana Kashyap	2009 (28/01/2006)	Awarded (20-02-2009)
4	Studies on pectin lyases produced from different fungal strains	D.D.U Gorakhpur University, Gorakhpur	Pramod Kumar Yadav (Availed CSIR-SRF fellowship)	2009	Awarded (20-02-2009)
5	Studies on secretion and enzymatic characterization of industrial enzymes from <i>Aspergillus</i> isolates	D.D.U Gorakhpur University, Gorakhpur	Vivek Kumar Morya (Availed CSIR-JRF, SRF fellowship)	2010 (R:27/01/2005)	Awarded (18-09-2010)
6	Molecular Cloning and in-silico characterization of microbial pectin lyase genes	D.D.U Gorakhpur University, Gorakhpur	Amit Kumar Dubey (D1-9430)	2014 R:08/12/2009 S:23/09/2013 V:27/05/2014	Awarded (10-06-2014)
7	Molecular cloning and in silico studies of Dof (DNA binding with one finger) transcription factor genes and domain of different cereals & millets	Integral University, Lucknow	Hariom Kushwaha	2014	Awarded
8	Molecular Cloning and in-silico characterization of DOF (DNA binding with one finger) transcription factor genes in <i>Sorghum bicolor</i>	D.D.U Gorakhpur University, Gorakhpur	Shubhra Gupta (RR-0451) (Availed CSIR-SRF fellowship)	2014 R:07/11/2010 S:28/09/2013 V:17/05/2014	Awarded (15/11/2014)
9	Molecular Cloning and in-silico characterization of microbial pectate lyase genes	D.D.U Gorakhpur University, Gorakhpur	Manish Kumar (D1-4844) (Availed UGC-RGNF-JRf, SRF fellowship)	2016 R:15/5/2010 Re:08/05/2015 S:08/05/2015 V:09/07/2016	Awarded (30/07/2016)
10	Studies on microbial polygalacturonases and elucidating its biotechnological applications	D.D.U Gorakhpur University, Gorakhpur	Gautam Anand (C1-4281)	2017 R:06/08/2012 S:02/08/2016 V:16/05/2017	Awarded (02/06/2017)

11	Molecular and Bioinformatics studies on DOF (DNA binding with One finger) transcription factor genes of Chickpea (<i>Cicer arietinum</i> L.)	D.D.U Gorakhpur University, Gorakhpur	Jeya Nasim (E1-4041)	2019 R:25/06/2014 S:22/06/2018 V:03/03/2019	Awarded (30/03/2019)
12	Studies on xylanases from fungal sources	D.D.U Gorakhpur University, Gorakhpur	Deepsikha Anand (Availed UGC-RGNF-JRf, SRF fellowship)	2020 R:20/06/2014 Re:2/07/2018 S:02/05/2019 V:31/01/2020	Awarded (31/01/2020)
13	Genome-wide identification, structural and functional characterization of pectin lyase genes of <i>Fusarium</i> species	D.D.U Gorakhpur University, Gorakhpur	Kanchan Yadav (DST-Inspire Fellow)	2019	Cont.
14	Mining of soil fungal wealth for pectinolytic activity and elucidating its potential application	D.D.U Gorakhpur University, Gorakhpur	Shruti Dwivedi	2019	Cont.
15	Isolation and characterization of indigenously isolated microbial strains for enzymatic intervention in paper and pulp industries	D.D.U Gorakhpur University, Gorakhpur	Supriya Gupta	2019	Cont.
16	Genome-wide study of Nuclear Factor -Y (NF-Y) Transcription Factor of Finger Millet (<i>Eleusine coracana</i>)	D.D.U Gorakhpur University, Gorakhpur	Varsha Rani	2022	Cont.
17	Biochemical, Molecular, and Computational Studies of fungal phytase	D.D.U Gorakhpur University, Gorakhpur	Soumya Srivastava	2022	Cont.

As Member Ph.D. Advisory committee at GBPUAT, Pantnagar

1. **Ms Archana Yadav**, Id. No. 31741; Microbiology; Awarded-2008 “*Cloning and characterization of outer membrane protein(s) of Pasteurella multocida serotype B:2 (P52)*”
2. **Ms. Hemlata Chauhan**, Id. No. 29621; Microbiology; Awarded-2009” Biochemical and molecular characterization of sugarcane endophytes and their potential in sugarcane growth production”
3. **Ms. Shubha Rai**, ID. No. 32803; Biochemistry; Awarded-2009 “*Biochemical, Physiological, and molecular aspects of drought and cold tolerance in Finger millet (Eleusine coaracana L) Germplasm*”

M.Sc. DISSERTATION / PROJECT WORK

(114 M.Sc. dissertation/project works supervised)

Sl. No.	Title of Thesis	Name of student[s]	Year
Department of Biotechnology, DDU Gorakhpur University, Gorakhpur			
114	Biotechnological intervention for finger millet improvement	Mukesh Kumar Singh	2023
113	Microbes for phytotoxicity removal of industry effluents	Abhishek Mishra	2023
112	Intervention of Microbial enzymes in bio-deinking process of paper and pulp industry	Dikshanshikha Gupta	2023
111	Bioremediation of paper industry effluents: an enzymatic approach	Nayanika Yadav	2023
110	Microbial pectinases for fruit juice processing industry	Km. Arti	2023
109	Microbial pectinases for retting and degumming of natural fibres	Ankur Kumar Singh	2023
108	Genome-wide identification and characterization of PYL receptors of finger millet (<i>Eleusine coracana</i>)	Shefali Singh (M.Sc. Plant Biotechnology)	2023
107	Production and partial characterization of fungal cellulases isolated from enriched culture	Yashi Upadhyay	2023
106	Enzyme mediated valorization of agrowaste for preparation of handmade paper	Ruby Chaudhary	2023
105	Valorization of agro-waste for preparation of handmade paper by eco-friendly approach	Nikki Kumar	2023
104	Isolation and characterization of microbial community from contaminated milk product	Shaswat Christy	2023
103	Biochemical characterization of fungal pectinases for fruit juice clarification and sachharification of fruit wastes	Rishika Yadav	2023
102	Biochemical characterization of fungal pectinases for retting and degumming of natural fibres	Ruhina Naz	2023
101	In-silico structural and functional studies of WRKY transcription factors of millets	Maryam Farid	2023
100	Screening and evaluation of microbes from contaminated dairy products for biocontrol of pathogens	Arpita Srivastava	2022
99	Isolation of pectinolytic fungal mycoflora from rotten orange and elucidation of its industrial applications	Pallavi Maurya	2022
98	Screening and evaluation of microbes from rotten coconut for decolorization of dyes	Shweta Maurya	2022
97	Screening of indigenously isolated microbial strains for protease enzymes and elucidating its potential applications	Vasudha Pandey	2022
96	Transcriptome-wide study and characterization of WRKY transcription factor in Finger millet (<i>Eleusine coracana</i>)	Riya Pandey	2022
95	Laccase enzyme production and partial characterization from an indigenously isolated fungal strain	Sara Abid	2021
94	Xylanase enzyme production and partial characterization from an indigenously isolated fungal strain	Anjali Maurya	2021
93	Amylase enzyme production and partial characterization from an indigenously isolated fungal strain	Archana Kumari	2021
92	Pectinase enzyme production and partial characterization from an indigenously isolated fungal strain	Rashmi Chaturvedi	2021

91	Cellulase enzyme production and partial characterization from an indigenously isolated fungal strain	Ankita Singh	2021
90	Screening of potential fungal strains from soil samples for industrially important enzymes	Sneha Upadhayay	2020
89	Screening of potential bacterial strains from soil samples for industrially important enzymes	Anubha Srivastava	2020
88	Production, partial characterization of polygalacturonase enzymes from fungal strain <i>Fusarium moniliforme</i> MTCC 2088	Raunak Rai	2020
87	PCR amplification of few pectin lyase genes from different fungal strains of <i>Fusarium</i> genera	Susmita Prajapati	2020
86	PCR amplification few pectin lyase genes from different fungal strains of <i>Aspergillus</i> genera	Km Chanda Verma	2020
85	PCR amplification and cloning of DOF (DNA binding with One Finger) transcription factor genes of chickpea (<i>Cicer arietinum</i> L)	Supriya Gupta	2019
84	Screening and partial characterization of xylanases from fungal strains of <i>Fusarium</i> genera	Mahima	2019
83	PCR amplification of xylanase genes from different fungal strains	Shruti Dwivedi	2019
82	Assessment of soil metagenomes for pectinases and xylanases genes	Zakiya Azam	2019
81	Screening and partial characterization of polygalacturonases from few fungal strains of <i>Fusarium</i> genera	Garima Kumari	2019
80	Partial characterization of polygalacturonases from fungal strain <i>Fusarium subglutinans</i> MTCC 9916	Shweta Yadav	2019
79	Production and characterization of polygalacturonase from fungal strain <i>Fusarium avenaceum</i> MTCC 10572.	Shubhi Bhardwaj	2018
78	Molecular cloning of pectin lyase gene(s) from fungal strains of <i>Fusarium</i> genera.	Anup Kumar Rai	2018
77	Genome-wide bioinformatics assessment of Nuclear Factor-Y (NF-Y) transcription factor gene family of chickpea (<i>Cicer arietinum</i> L.).	Roli Goyal	2018
76	Production and characterization of polygalacturonase from fungal strain <i>Fusarium solani</i> MTCC 3004.	Soumya Srivastava	2018
75	Production and characterization of xylanase from fungal strain <i>Fusarium udum</i> MTCC 3829.	Ratnpriya Kumari	2018
74	Solid state fermentation based production and characterization of xylanase from fungal strain <i>Fusarium culmorum</i> MTCC 349	Archana Singh	2018
73	Molecular cloning and <i>in-silico</i> analysis of PBF-DOF genes of chickpea (<i>Cicer arietinum</i> L.)	Vaishali Bhatt	2017
72	Genetic diversity studies among different cultivars of chickpea (<i>Cicer arietinum</i> L.) using Dof domain/gene specific markers	Saman Shaheen Siddiqui	2017
71	Studies on pectin lyase from fungal strain <i>Fusarium avenaceum</i> MTCC 10572	Kamini Pandey	2017
70	Studies on pectin lyase produced by solid state fermentation from fungal strain <i>Fusarium moniliforme</i> MTCC 2088	Kanchan Yadav	2017
69	Assessment of soil microbial diversity for production of industrially important enzymes	Divya Gupta	2017
68	Standardization for PCR amplification of pectin lyase genes form different strains of <i>Fusarium</i> genera	Lalita Kumari	2016
67	Production and characterization of polygalacturonase by <i>Fusarium decemcellulare</i> MTCC 2079	Pratishtha Shukla	2016
66	Assessment of biochemical attributes in Pigeonpea under abiotic stresses	Rukhsana Parveen	2016
65	Purification and characterization of pectin lyase produced by <i>Fusarium lateritium</i> MTCC 8794	Sumeet Kumar	2016

64	SDS-PAGE profiling of chickpea seed storage and <i>Fusarium</i> mycelial proteins	Swati Yadav	2016
63	Molecular cloning of pectin lyase gene(s) from soil metagenome	Varsha Singh	2016
62	PCR amplification of pectin lyase genes from different strains of <i>Fusarium</i> genera	Dhyanesh Narain Dubey	2015
61	PCR amplification and in silico structural prediction of DOF (DNA binding with One Finger) transcription factor of pigeonpea (<i>Cajanus cajan</i> (L.) Millisp)	Nidhi Singh	2015
60	Biochemical and molecular studies on polygalacturonase produced from <i>Aspergillus niger</i> MTCC 478	Zainub Sayeed	2015
59	Genome wide bioinformatics-based assessment of DOF (DNA binding with One finger) transcription factor gene family of <i>Medicago truncatula</i> , a model legume	Sujata Sharma	2015
58	Screening, production and partial characterization of polygalacturonases from fungal strains	Mansha Tiwari	2014
57	Screening of Fungal Strains for Xylanase production	Ananya Shandilya	2014
56	Mining of different soil metagenome for pectin lyase genes	Pratibha Pandey	2014
55	Seed Storage protein profiling-based diversity assessment of wheat cultivars	Kumari Nirmal	2014
54	Genome wide identification and characterization of Nuclear Factor-Y (NF-Y) transcription factor genes of <i>Cajanus cajan</i>	Pooja Soni	2014
53	Seed Storage protein profiling based genetic diversity assessment of kalanamak rice varieties /lines	Preety Agrahari	2014
52	Screening of fungal strains for pectin lyase production	Mukesh Kumar Sonkar	2014
51	PCR amplification of DOF (DNA binding with One finger) Transcription factor genes from sugarcane (<i>Saccharum officinarum</i>)	Anurag Kumar Pandey	2012
50	Screening of different strains of <i>Aspergillus flavus</i> for amylase production in solid state fermentation	Manish Kumar Tripathi	2012
49	Production and partial characterization of xylanases secreted by <i>Aspergillus flavus</i> MTCC10938	Ritika Tiwari	2012
48	Production and partial characterization of polygalacturonases secreted by <i>Penicillium citrinum</i> MTCC 8897	Nidhi Kashoudhan	2012
47	PCR based cloning of DOF (DNA binding with One finger) transcription factor gene(s) from maize (<i>Zea mays</i>)	Nikky Varyani	2011
46	PCR based cloning of DOF (DNA binding with One finger) transcription factor gene(s) from rice (<i>Oryza sativa</i>)	Neetu Yadav	2011
45	PCR amplification of pectin lyase gene(s) from indigenously isolated fungal strains	Gautam Anand	2011
44	In- silico characterization of seed storage protein genes of cereals	Neeraj Kumar	2011

43	In- silico characterization of metal tolerant genes and proteins	Gaurav Kumar	2011
42	Screening, production and kinetic studies of alpha-amylases produced from different isolates of Aspergillus flavus	Manoj Kumar Rai	2007
41	Studies on the effect of the different growth hormones on multiple shoot bud induction from different explants of in vitro grown Cajanus cajan(L) Mill Sp. Cultivar IPA 2013	Ajay Kumar Ravi	2007
40	Seed Storage protein profiling of different accessions of Mungbean and Chickpea	Deepak Mani Tripathi	2007
39	Standardization for genomic DNA isolation and RAPD analysis of different MTCC strains of Aspergillus	Shalini Tripathi and Sunayana Kashyap	2007
38	Studies on the effect of different growth hormones on multiple shoot bud induction from decapitated embryonal axes of different cultivar of Cajanus cajan (L) Millsp.	Rama Biswas	2007
37	Studies on the effect of pH, temperature, substrate concentration on production of alpha-amylases from two MTCC strain of Aspergillus flavus	Shalinee	2007
36	Studies on the effect of the different growth hormones on multiple shoot bud induction from different explants of in vitro grown Cajanus cajan(L) Mill Sp. Cultivar IPA 3088	Aiman Tanveer	2007
35	Screening, production and kinetic studies of beta-amylases produced from different isolates of Aspergillus flavus	Suman Patel	2007
34	Studies on alkaline proteases from different isolates of Aspergillus flavus	Anupam Pandey	2007
33	Studies on acidic proteases from different isolates of Aspergillus flavus	Shashi Kant Tiwari	2007
32	Seed Storage protein profiling of different accessions of Soybean and Blackgram	Pooja Singh	2007
31	Seed Storage protein profiling of different accessions of Pigeonpea and Lentils	Sanket Kumar Shukla	2007
30	Studies on neutral proteases from different isolates of Aspergillus flavus	Mohibur Rahman	2007
29	Studies on in-vitro regeneration of Pigeonpea (Cajanus cajan (L) Millsp.) cultivars-IPA-34 & Pusa-9	Sapna Srivastava	2006
28	Molecular studies of different accessions of cultivated legumes-Green Gram (Vigna radiata) and some wild legumes collected from Gorakhpur District	Smriti Mishra	2006
27	Studies on in-vitro regeneration of Pigeonpea (Cajanus cajan (L) Millsp.) cultivars-AL-201 & IPA-337	Savita Singh	2006

26	Molecular studies of different accessions of cultivated legumes-BlackGram (Vigna mungo)and some wild legumes collected from Gorakhpur District	Shubhra Gupta	2006
25	Studies on in-vitro regeneration of Pigeonpea (Cajanus cajan (L) Millsp.) cultivars-IPA-61 & T-7	Pooja Mishra	2006
24	Screening and characterization of Beta Amylase produced from different isolates of Aspergillus	Santosh Kumar	2006
23	Screening and characterization of Beta Amylase produced from different isolates of Aspergillus niger group	Kumar Shivam	2006
22	Screening and characterization of Beta Amylase produced from different isolates of Aspergillus.	Brijesh Kumar Gupta	2006
21	Screening and characterization of Beta Amylase produced from different isolates of Aspergillus flavus group	Praveen Kumar	2006
20	Molecular studies of different accessions of cultivated legumes-Pigeonpea (Cajanus cajan) and some wild legumes collected from Gorakhpur District	Pradeep Mani Tripathi	2006
19	Studies on in-vitro regeneration of Pigeonpea (Cajanus cajan (L) Millsp.) cultivars-IPA-204 & IPA-242	Kapil Gupta	2006
18	Screening and characterization of Beta Amylase produced from different isolates of Aspergillus nidulans group	Amanullah Ansari	2006
17	Multiple shoot induction and plant regeneration using different explants from in vitro grown pigeonpea (Cajanus cajan)	Vandana Kashyap	Nov. 2004 to July 2005
16	Standardization of genomic DNA isolation for diversity studies of Aspergillus group using randomly amplified polymorphic DNA (RAPD) technique	Swati Tripathi	2005
15	Standardization of genomic DNA isolation for diversity studies of legumes using randomly amplified polymorphic DNA (RAPD) technique	Shinjini Singh	2005
14	Tissue culture studies and standardization of genomic DNA isolation of Flacourtia jangomas (Lour.) Raeusch, a woody medicinal plant	Pramod Kumar Yadav	2005
13	Protein profiling of cultivated legumes and Aspergillus isolates for diversity studies using SDS-PAGE .	Seema Nayak	2005
12	Triticin extraction and SDS-PAGE profile of 10 different wheat varieties commonly grown in Uttar Pradesh	Raghwan, Richa Srivastava and Priya Singh	26 th Aug-26 th Oct.20 04
11	Total seed storage protein profile of 10 different wheat varieties commonly grown in Uttar Pradesh using SDS-PAGE	Pallavi Gupta, Archana Vibhuti and Vandana Kashyap	26 th Aug-26 th

			Oct.20 04
10	Glutenin extraction and SDS-PAGE profile of 10 different wheat varieties commonly grown in Uttar Pradesh	Garima Srivastava, Sachida Nand Yadav, Girijesh Kumar & Bhavana Yadav	26 th Aug-26 th Oct.20 04
09	Seed storage protein profile of different Indian wheat varieties using SDS-PAGE	Amita Yadav & Ruchi Arya	2003
IIT, Madras			
08	In-silico identification and characterization of pectinases in genome of <i>Sorghum bicolor</i> (L) Moench	Nitish Kumar Singh, Inspire Fellowship	2013
Department of Biotechnology & Bioinformatics, Kuvempu University Karnataka			
07	Studies on polygalacturonases produced by <i>Aspergillus niger</i> MTCC 404, <i>Byssoschlamys fulva</i> MTCC 505 and <i>Aspergillus flavus</i> SY	Rishikesh Singh	24 th Jan- 30 th March, 2011
06	Studies on polygalacturonases produced by <i>Aspergillus fumigatus</i> MTCC 2508, <i>Aspergillus versicolor</i> MTCC3071 and <i>Aspergillus flavus</i> 2456	Vivek Kumar Mishra	24 th Jan- 30 th March, 2011
Mahila Mahavidyalaya, Banaras Hindu University, Varanasi			
05	In-silico analysis of polygalacturonases protein sequences from different source organisms	Ritika Rajpoot	10 th May- 10 th Jul y 2010
Department of Molecular Biology and Genetic Engineering, CBSH, G.B Pant University of Agriculture and Technology, Pantnagar, Uttarakhand			
04	PCR based cloning and in silico analysis of promoter of DOF gene(s) from finger millet (<i>Eleusine coracana</i>)	Chandra Prakesh	2009
03	Assessment of genetic diversity in finger millet (<i>Eleusine coracana</i>) using functional marker based on cytochrome P450 genes	Ramesh Kumar Saini	2008
College of Biotechnology, UP Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evan Go Anusandhan Sansthan (DUVASU), Mathura			
02	PCR amplification of xylanase gene(s) from different fungal strains	Siddharth Patel	15 th March to 15 th June 2018
Amity Institute of Biotechnology Amity University, Lucknow Campus			
01	Genome-wide identification and <i>in-silico</i> characterization of pectin lyase genes from sequenced genome of <i>Fusarium</i> genera"	Bhumika Bhagwani	2018

INVITED LECTURE DELIVERED (111)

1. Delivered a lecture entitled “**Genomics and Bioinformatics driven research: insights into fungal pectinases & plant transcription factors**” in a webinar on Omics driven research in Biotechnology jointly organized by Department of Biotechnology and IQAC, D.D.U Gorakhpur University on 6th Oct. 2023 (**INVITED LECTURE**)
2. Delivered a lecture entitled “**Research, Innovations and IPR in NEP 2020: An Update**” in 6th Faculty Induction Programme (FIP) organized by UGC-Human Resource Development Centre and Department of Commerce, D.D.U. Gorakhpur University, Gorakhpur (26th Aug-24th Sept. 2023) on **4th Sept. 2023** (**As RESOURCE PERSON**)
3. Delivered a lecture entitled “**Bioechnological intervention for finger millet improvement**” in National Seminar on Millets (Shree-anna) for nutritional and food security by Department of Home Science, D.D.U. Gorakhpur University, Gorakhpur on **29th April 2023** (**INVITED LECTURE**)
4. Delivered a lecture entitled “**Designing a dynamic IP system: sharing practices & developing strategies**” in 8th Annual National Conference on Intellectual Property Rights: Scope in Nursing organized by KGMU College of Nursing, King George’s Medical University, Lucknow 11-12th April 2023 on **11th April 2023** (**INVITED LECTURE**)
5. Delivered a lecture entitled “**Biotechnological intervention for sustainable agriculture:an overview**” in an International Science Congress on Rural Technolglcal and Development (ISCRTD-2023) jointly organized by Department of Management Studies, Babasaheb Bhimrao Ambedkar University, Lucknow & Prof. H.S. Srivastava Foundation for Science and Soceity, Lucknow 15-17th Feb. 2023 on **17th Feb.2023** (**INVITED LECTURE**)
6. Delivered a lecture entitled “**Genomics and Bioinformatics driven research: insights into fungal pectinases & plant transcription factors**” organized by Department of Botany, University of Lucknow on **17th Feb.2023** (**INVITED LECTURE**)
7. Delivered a lecture entitled “**Intellectual Property Rights (IPR) driven Research: An Overview**” in UGC-HRDC sponsored 7th **Online Interdisciplinary Refresher Course in Information and Communication Technology (ICT)** organized by HRDC-DDU Gorakhpur University, Gorakhpur (28th Jan. to 10th Feb.2023) on **31st Jan. 2023** (**As RESOURCE PERSON**)
8. Delivered a lecture entitled “**Biotechnology and IPR issue: An overview**” at **Vigyan Utsav: Azadi Ka Amrit Mahotsav: Intellectual property Rights** (ONLINE) sponsored by the Department of Science and Technology, Govt. of India and organized by Council of Science and Technology, Uttar Pradesh on **23rd August 2022** (**INVITED LECTURE**)

9. Delivered a lecture entitled “***Intellectual Property Rights (IPR) driven Research in Life Science: An Overview***” in UGC-HRDC sponsored 4th Online Refresher Course in Life Science organized by HRDC-DDU Gorakhpur University, Gorakhpur (23rd July to 5th August 2022) on **2nd August 2022** (As RESOURCE PERSON)

10. Delivered a lecture entitled “***Cost-effective Production of Industrially Important Microbial Enzymes Using Agro-wastes***” at an **International Conference (Online) on Current trends in Waste Treatment, Reuse, and Valorization** (25-27th Feb. 2022) jointly organized by School of Science, Sandip University, Nasik, Maharashtra and Society for Green Environment (SGE), New Delhi on **25th Feb. 2022** (INVITED LECTURE)

11. Delivered a lecture entitled “***Intellectual Property Rights (IPR) for Protecting Innovations: An Overview***” in UGC-HRDC sponsored 3rd Faculty Induction Programme (FIP) organized by HRDC-DDU Gorakhpur University, Gorakhpur (5th Jan. to 4th Feb. 2022) on **10th Jan. 2022** (As RESOURCE PERSON)

12. Delivered a lecture entitled “***Biotechnological intervention for food and nutritional security***” in Value Added Course in Biotechnology (Online)-Biotechnology for Human Welfare organized by Department of Biotechnology DDU Gorakhpur University, Gorakhpur (17th Dec.-31st Dec. 2021) on **29th Jan. 2022** (As RESOURCE PERSON)

13. Delivered a lecture entitled “***Intellectual Property Rights: An overview***” in Value Added Course in Biotechnology (Online)-Biotechnology for Human Welfare organized by Department of Biotechnology DDU Gorakhpur University, Gorakhpur (17th Dec.-31st Dec. 2021) on **29th Jan. 2022** (As RESOURCE PERSON)

14. Delivered a lecture entitled “***IPR in Context with Current Trends in Higher Education: An Overview***” in UGC-HRDC sponsored 2nd Faculty Induction Programme (FIP) organized by HRDC-DDU Gorakhpur University, Gorakhpur (25th Nov. to 24th Dec. 2021) on **26th Nov. 2021** (As RESOURCE PERSON)

15. Delivered a lecture entitled “***Choice Based Credit System (CBCS): An Overview***” in Workshop on “Implementation of CBCS System in the University and its Affiliated Colleges” organized by IQAC/NAAC/NIRF, DDU Gorakhpur University, Gorakhpur on **22nd Nov. 2021** (As RESOURCE PERSON)

16. Delivered a lecture entitled “***Genome-wide predictions, structural and functional annotations of plant transcription factor gene families: A bioinformatics approach***” in International Symposium on Plant Biotechnology Towards Improving Agri-Food Industry and Healthcare Products (ISPB-2021) (27-30th Oct. 2021) organized by Birla Institute of Technology, Mesra, Ranchi on **28th Oct. 2021** (LEAD SPEAKER and chaired one technical session)

17. Delivered a lecture entitled “***Relevance of IPR for Science, Technology and Innovations: An overview***” in **National Workshop on Innovation and Intellectual Property Mangement in India** (8th-10th Oct. 2021) organized by IPR cell, Veer Bahadur Singh Purvanchal University, Jaunpur on **10th Oct. 2021**. (INVITED LECTURE)
18. Delivered a lecture entitled “***Ethnopharmacology and Therapeutic Innovations***” in **Two Day Impact Lecture Series** sponsored by Ministry of Education organized by Institution Innovation Cell, St. Andrew’s College, Gorakhpur (7-8th Oct. 2021) on **7th Oct. 2021**. (INVITED LECTURE)
19. Delivered a lecture entitled “***Recent Trends in Science, Technology and Innovations: Indian Scenario***” in UGC-HRDC sponsored Multidisciplinary Refresher Course in **Information Communication Technology (ICT)** organized by HRDC-DDU Gorakhpur University, Gorakhpur (27th Sept-10th oct. 2021) on **1st Oct. 2021** (As RESOURCE PERSON)
20. Delivered a lecture entitled “***Intellectual Property Rights (IPR): An Element for Promoting Innovations***” in UGC-HRDC sponsored Multidisciplinary Refresher Course in **Information Communication Technology (ICT)** organized by HRDC-DDU Gorakhpur University, Gorakhpur (27th Sept-10th oct. 2021) on **28th Sept. 2021** (As RESOURCE PERSON)
21. Delivered a lecture entitled “***Innovation Driven Research in Microbial Enzymes***” in Department of Biotechnology, Magadh University, Bodh-Gaya on **18th Sept.2021**. (SPECIAL LECTURE)
22. Delivered a lecture entitled “***Recent Trends in Research and Innovations: An overview***” in UGC-HRDC sponsored Faculty Induction Programme (FIP) organized by HRDC-DDU Gorakhpur University, Gorakhpur (6th Sept-5th oct. 2021) on **14th Sept. 2021** (As RESOURCE PERSON)
23. Delivered a lecture entitled “***Intellectual Property Rights in Context with Medicinal Plants: An Overview***” in National Conference on “**Biodiversity, Medicinal Plants, Drug Discovery & Sustainable Utilisation**” (7-8th Sept. 2021) organized by St. Andrew’s College, Gorakhpur on **7th Sept. 2021**. (INVITED TALK & Guest of Honour).
24. Delivered a lecture entitled “***Intellectual Property Rights (IPR): New Dimensions and Applications***” in National E-Conference on “**Traditional Medicine and Ethnobotany: Exporing New Horizons in traditional and Alternative Medicine**” (19-20th July 2021) organized by St. Andrew’s College, Gorakhpur on **20th July 2021**. (INVITED TALK).
25. Delivered a lecture entitled “***Biotechnolgical Approaches in Medicinal Plant Research: An overview***” in National E-Conference on “**Traditional Medicine and Ethnobotany: Exporing New Horizons in traditional and Alternative Medicine**” (19-

- 20th July 2021) organized by St. Andrew's College, Gorakhpur on **19th July 2021**.
(INVITED TALK).
26. Delivered a lecture entitled "***Research Proposal Writing: An Overview***" in 7-day online workshop on "**Research Methodology and Innovations in Electronic Science**" organized by Department of Electronics, DDU Gorakhpur University, Gorakhpur (3rd - 9th July 2021) on **6th July 2021** (As RESOURCE PERSON)
27. Delivered a lecture entitled "***Biotechnological Driven Research in Medicinal Plant Research: An overview***" in National E-Conference on "**Traditional Medicine Systems: Their Relevance and Importance in Health care Systems of Today and Tomorrow**" (2-3rd July 2021) organized by St. Andrew's College, Gorakhpur on **3rd July 2021**. (INVITED TALK).
28. Delivered a lecture entitled "***Intellectual Property Rights: An Overview***" in SEVEN-day online workshop on "Research methodology for Life Sciences" organized by Department of Zoology, DDU Gorakhpur University, Gorakhpur (23rd - 29th June 2021) on **23rd June 2021** (As RESOURCE PERSON)
29. Invited as "**Guest of Honour**" in the inaugural function of "**TOYCATHON-2021**" (at national level organized by Ministry of Education in coordination with Ministry of Women and Child Development, Ministry of information and broadcasting, Ministry of Commerce & Industry, Ministry of Small and Medium Enterprises, and Ministry of Textiles, Ministry of Education's Innovation cell at All India Council for Technical Education) organized by St. Andrews College, Gorakhpur (Nodal centre) on **22nd June 2021**.
30. Delivered a lecture entitled "***Genomics and Bioinformatics Driven Research in Plant Science: An Update***" in 15 day Online Refresher Course on "**Emerging Trend and Challenges in Interdisciplinary Research & Training in Science & Technology**" (16th-30th June 2021) organized by IQAC, Academic Staff College in association with Amity Institute of Forensic Sciences & Forensic Science Laboratory (Govt. of NCT of Delhi), AMITY UNIVERSITY, U.P. on **18th June 2021** (As RESOURCE PERSON)
31. Delivered a lecture entitled "***Framing Research Projects For Possible Funding***" in Online/Virtual Refresher Course in Home Science on "**Pandemic Effect and Role of Home Science in Revitalizing Community For Sustainable Development**" (30/01/2021 to 12/02/2021) organized by HRD Centre, DDU Gorakhpur University, Gorakhpur on **01/02/2021** (As RESOURCE PERSON)
32. Delivered a lecture entitled "***How to Frame Research projects For Financial Support***" in **Faculty Development Program** (27/01/2021 to 25/02/2021) organized by UGC-HRDC Gorakhpur on **05/02/2021** (As RESOURCE PERSON)

33. Delivered a lecture entitled “***Biotechnology for Human Welfare: Present Status and Future Prospects***” in One Week Workshop on “**Traditional Medicine, IPR, Sustainability and Advances in Life Sciences Towards Innovation and Startups**” organized by St. Andrew’s College, Gorakhpur (15th -21st Dec. 2020) on 15th Dec. 2020 (INVITED TALK).
34. Delivered a lecture entitled “***Intellectual Property Rights: Relevance, Present Status and Future Prospects***” in One Week Workshop on “**Traditional Medicine, IPR, Sustainability and Advances in Life Sciences Towards Innovation and Startups**” organized by St. Andrew’s College, Gorakhpur (15th -21st Dec. 2020) on 21st Dec. 2020 (INVITED TALK & CHIEF GUEST).
35. Delivered a lecture entitled “***Bio-fortification and genomic technologies for improving nutria-cereals***” in e-International Training on “**Neglected and Underutilized Crop Species (NUS) for Food and Nutritional security during Time of Uncertainties**” organized by CSAU, Kanpur (16th-29th oct. 2020) on 18th Oct. 2020 (As RESOURCE PERSON).
36. Delivered a lecture entitled “***Omics Intervention in Medicinal Plants***” in National Conference on “**Recent Advances in Biological Sciences (Traditional Medicine: history, practices and advances in drug discovery and natural products)**” organized by St. Andrew’s College Gorakhpur (13-14th Oct. 2020) on 14th oct. 2020 (INVITED TALK)
37. Delivered a talk on “***Challenges on education Sectors due to Covid-19***” in Two Dyas National Webinar on “**Diverse Impacts of Covid-19 Pandemic on Human Beings**” organized by Madan Mohan Malviya Post Graduate College, Bhatpar Rani, Deoria (23rd-24th Sept. 2020) on 23rd Sept. 2020. (As GUEST SPEAKER)
38. Delivered a lecture entitled “***Biotechnological Driven Research in Medicinal plants: An overview***” in National webinar on “**Traditional Medicine Systems: Their relevance and Importance in Health Care Systems of Today & Tomorrow**” (02nd-03rd July 2020) sponsored by STRIDE-UGC and organized by St. Andrew’s College Gorakhpur (U.P.) on 3rd July 2020. (INVITED TALK)
39. Delivered a lecture entitled “***Innovations in microbial enzyme technology: An update***” in International E-conference on “**Recent Trends in Biological Sciences**” (3rd-4th June 2020) jointly organized by St. Joseph’s College Tiruchirappalli, Tamil Nadu and St. Andrew’s College Gorakhpur (U.P.) on 4th June 2020. (KEYNOTE ADDRESS)
40. Participated in National Webinar entitled “***Leveraging Science and Technology to Combat COVID-19***” organized by Faculty of Sciences, D.D.U. Gorakhpur University, Gorakhpur (23rd -24th May 2020) on 24th May 2020. (As GUEST of HONOUR)

41. Delivered a lecture entitled "***Insights into microbial pectinases: An overview***" in International conference on "Biotechnological Intervention for Societal Development (Biosangam 2020)" (21st -23rd Feb. 2020) organized by Department of Biotechnology, MNNIT, Allahabad on 23rd Feb. 2020. (INVITED TALK)
42. Delivered lecture on "***Criterion III (Research, Innovations and extension)***" in IQAC sponsored workshop on "**NAAC evaluation: it's needs and procedure**" (for representatives from Govt. and Aided college) *organized by IQAC, DDU Gorakhpur University, Gorakhpur on 7th Dec. 2019*. (RESOURCE PERSON)
43. Delivered a lecture entitled "***Recent trends in microbial enzyme research: An update***" in National conference on Recent Advances in Agriculture, Food-tech and Human Health (BioMilaap-2019) (5-6th Nov. 2019) organized by SHUAT, Allahabad on 6th Nov. 2019. (INVITED TALK)
44. Delivered a lecture entitled "***Genomics and Bioinformatics intervention in Plant Biotechnology: A current perspective***" in National conference on "**Biotechnology Innovations: Interdisciplinary approaches to agriculture, food, health, environment and sustainable development (NatConBio-2019)**" (27-28th Sept. 2019) organized by Shri Ramswaroop Memorial University, Barabanki (U.P.) on 28th Sept. 2019. (INVITED LECTURE)
45. Delivered lecture in IQAC sponsored workshop on "**Quality indicator Framework of SSR**" *organized by IQAC, DDU Gorakhpur University, Gorakhpur on 14th Sept. 2019*. (RESOURCE PERSON)
46. Delivered a lecture entitled "***Biotechnology: A multidisciplinary science for developing products/processes for human welfare***" in "**Motivation and Innovation Programme for Sciences Students sponsored by NCSTC, DST**" organized by Department of Botany, D.D.U. Gorakhpur University on 25th August 2019. (INVITED LECTURE)
47. Delivered a lecture entitled "***Biohazards and Biosafety***" in a National Seminar on "Safety Measures and Hazards in Chemical Laboratories (SSMHCL)" (8th August 2019) organized by Department of Chemistry, D.D.U. Gorakhpur University, Gorakhpur (U.P.) on 8th August 2019. (INVITED LECTURE)
48. Delivered a lecture entitled "***Genomics and Bioinformatics driven research on DOF and NF-Y transcription factor gene families***" in National conference on "Interdisciplinary Advancements in Biochemistry (NCIAB-2019)" (28th-29th March 2019) organized by Department of Biochemistry, Dr. Rammanohar Lohia Avadh University, Ayodhya on 29th March 2019. (INVITED LECTURE)

49. Delivered a lecture entitled “**PCR based molecular cloning of desired gene(s)**” in National workshop on “Tools and Techniques in Life Sciences” (25-26th March 2019) organized by Department of Zoology, D.D.U. Gorakhpur University, Gorakhpur (U.P.) on 25th March 2019. (INVITED LECTURE)
50. Delivered a lecture on “**Biotechnological tools for addressing global environmental issues: an overview**” in National Conference on “Life Sciences and Environmental Issue (NCLEI-2019)” (1st -2nd March 2019) organized by Department of Zoology, Marwar Business School, Gorakhpur on 2nd March 2019. (INVITED LECTURE)
51. Delivered a lecture on “**Intervention of Nanobiotechnology in Enzyme Research: An Overview**” in National Conference on “Smart Materials & Sustainable Technologies (NCSMST)” (23-24th March 2019) organized by Department of Chemistry, D.D.U. Gorakhpur University, Gorakhpur (U.P) on 24th February 2019. (INVITED LECTURE)
52. Delivered a lecture entitled “**Biotechnology and Human Welfare**” in “**113th /114th Orientation Programme**” (15th Jan. 2019 -11th Feb. 2019) organized by UGC- Human Resource Development Centre, DDU Gorakhpur University on 22nd Jan. 2019. (RESOURCE PERSON)
53. Delivered a lecture entitled “**Biotechnological approaches for utilization of by-products**” in ICAR sponsored CAFT Training Programme “Synergistic approaches for bioprocessing of foods and by-products for nutritional and industrial use” (31st Aug 2018 to 20th Sep 2018) organized by ICAR- Central Institute of Agricultural Engineering (CIAE), Bhopal on 7th Sept. 2018. (INVITED LECTURE)
54. Delivered a lecture entitled “**Role of Microbial and Enzyme technology in fruit juice processing and its quality enhancement**” in ICAR sponsored CAFT Training Programme “Synergistic approaches for bioprocessing of foods and by-products for nutritional and industrial use” (31st Aug 2018 to 20th Sep 2018) organized by ICAR- Central Institute of Agricultural Engineering (CIAE), Bhopal on 7th Sept. 2018. (INVITED LECTURE)
55. Delivered a lecture entitled “**Bioinformatics intervention in enzyme research: An overview on pectinases**” in International Conference on “Microbial, Plant and Animal Genomes” (29th -31st March 2018) organized by Department of Biosciences, College of Arts, Sciences & Humanities, Mody University, Lakshmanagarh, Sikar, Rajasthan on 31st March 2018. (INVITED TALK)

56. Delivered a lecture entitled “***Business opportunities in emerging bio-based areas: A current perspectives***” in “**Refresher Course in Management and Business Studies(ID)**”(7th-27th March 2018) organized by UGC-Human Resource Development Centre, DDU Gorakhpur University on 13th March 2018. (RESOURCE PERSON)
57. Delivered a lecture entitled “***Bioinformatics intervention for genome-wide characterization of plant transcription factor gene families: A current perspectives***” in International conference on “**Innovations and Translational Dimensions: Food, Health and Environmental Biotechnology (BIOSANGAM-2018)**” organized by MNNIT, Allahabad on 10th March 2018. (INVITED TALK)
58. Delivered a lecture entitled “***Bioinformatics intervention in plant sciences: A current perspectives***” in short term training course on “**Molecular Techniques in Plant Sciences**” (1st -22nd Feb.2018) organized by Department of Botany, St. Andrew’s College, Gorakhpur on 17th Feb.2018. (INVITED TALK)
59. Delivered a lecture entitled “***Omics approaches in plant sciences: An overview***” in short term training course on “**Molecular Techniques in Plant Sciences**” (1st -22nd Feb.2018) organized by Department of Botany, St. Andrew’s College, Gorakhpur on 17th Feb.2018. (INVITED TALK)
60. Delivered a lecture entitled “***Transgenic technology for biofuel production: An overview***” in “**4th Refresher Course in Environmental Sciences (ID)**”(3rd -23rd Feb.2018) organized by UGC-Human Resource Development Centre, DDU Gorakhpur University on 14th Feb. 2018. (RESOURCE PERSON)
61. Delivered a lecture entitled “***Biotechnological intervention in Environmental Management***” in “**4th Refresher Course on Environmental Sciences (ID)**” (3rd -23rd Feb. 2018) organized by UGC-Human Resource Development Centre, DDU Gorakhpur University on 7th Feb. 2018. (RESOURCE PERSON)
62. Delivered an Invited lecture entitled “***Bioinformatics driven research on plant transcription factor in the era of genomics: A current perspective***” in National conference on “**Plant Science Research in 21st Century: Challenges & Strategies**” (2nd -3rd Feb. 2018) organized by Department of Botany, Saraswati Vidya Mandir Mahila P.G College, Gorakhpur on 3rd Feb. 2018 (INVITED LECTURE).

63. Delivered a Lead talk entitled “***Production and characterization of fungal pectinases***” in 58th Annual conference of Association of Microbiologists of India (AMI-2017) & International Conference on “Microbes for Sustainable Development: Scope & Applications (MSDSA-2017)” (16-19th Nov. 2017) organized by Babasaheb Bhimrao Ambedkar University, Lucknow on 17th Nov. 2017 (LEAD LECTURE).
64. Delivered an Invited lecture entitled “***Molecular and bioinformatics driven research on plant transcription factors and pectinases: A current perspective***” at Sri Ramswaroop Memorial University, Lucknow in Institute of Bioscience & Technology on 15th Nov. 2017 (INVITED LECTURE)
65. Delivered an Invited Lecture entitled “ ***Scope of Environmental Biotechnology: An Update***” in National Conference on “Challenges of Environmental Problems in 21st Century” (26-27th March 2017) organized by Department of Zoology, Marwar Business School, Gorakhpur on 27th March 2017.(INVITED TALK)
66. Delivered an Invited Lecture entitled “***IPR in Biotechnology: An Overview***” in UPCAR, Lucknow sponsored National workshop on “Intellectual Property Rights, Geographical Identification and Innovation Management” (22nd -23rd March 2017) organized by Department of Botany, D.D.U Gorakhpur University, Gorakhpur on 23rd March 2017.(INVITED TALK)
67. Delivered an Invited Lecture entitled “ ***Genome-wide bioinformatics insights into DNA binding with one finger (DOF) and nuclear factor-Y (NF-Y) transcription factor genes of few crops***” in “4th Lucknow Science Congress, LUSCON-2017(Science Technology & Innovations for Sustainable Development)” (3rd-4th March 2017) organized by BBAU, Central University, Lucknow, India on 4th March 2017.(INVITED TALK)
68. Presented a paper entitled “***Structural and Functional Annotation of transcription Factor Gene Family Using Bioinformatics Approach: A Current Perspective***” in International Conference on “Structure and Dynamics of Biomolecules (SDBM 2017)” (27-28th January 2017) organized by Department of Physics, D.D.U Gorakhpur University, Gorakhpur in association with an International Society of Life Sciences (ISLS), Jaipur, India. (INVITED TALK)
69. Delivered a Lead lecture entitled “***Agricultural Biotechnology for Food and Nutritional Security: A current Perspective***” in National Conference on “Underutilised Plants, Food & Climate Link” 20-21st January 2017 jointly organized by Department of Botany, D.D.U Gorakhpur University, Gorakhpur and The Society for Underutilised Plants for Future Research, Gorakhpur on 21st Jan. 2017 (LEAD LECTURE) (Also served as chairman of one technical session on 21st Jan. 2017).

70. Delivered a lecture entitled "***Biotechnology for Environmental Management: A current Status***" in "**106th Orientation Programme**" (03rd-30th January 2017) organized by UGC-Human Resource Development Centre, DDU Gorakhpur University on **9th January 2017**. (RESOURCE PERSON)
71. Delivered a Lead Lecture entitled "***Intervention of Nanotechnology in enzyme research: fungal pectinases as the target enzyme***" in National Conference on "Trends in Nanobiotechnology(NCTN-2016)" **29-30th Nov. 2016** organized by Chaudhary Charan Singh Haryana Agricultural University (CCSHAU), Hisar, on **30th Nov. 2016** (LEADLECTURE) (Also served as Chairman of Technical Session-IX – Theme area: Animal and Healthcare, 30th Nov. 2016).
72. Delivered lecture entitled "***Biotechnological intervention in pollution control: An overview***" at National Seminar on "Socio-Ethical Concerns of Contemporary Environmental Issues" **26-27th Nov. 2016** organized by Department of Philosophy, D.D.U Gorakhpur University, Gorakhpur on **27th Nov. 2016** (INVITED LECTURE)
73. Delivered lecture entitled "***Scope of Biotechnology in India: A Current Perspective***" in **DST-Sponsored INSPIRE Internship Science Camp (25-29th Nov. 2016)** organized by S.P Memorial Institute of Technology, Allahabad on **25th Nov. 2016**. (AS MENTOR)
74. Delivered lecture entitled "***Scope of Science and Technology in India: Current Scenario***" in **DST-Sponsored INSPIRE Internship Science Camp (24-28th Nov. 2016)** organized by Vijay Degree College, Salaya Meja, Allahabad on **24th Nov. 2016**. (AS MENTOR).
75. Delivered a Lead Lecture entitled "***Biotech approaches and post-harvest issues in agriculture***" in International congress on "Post-harvest Technologies of Agricultural Produce for Sustainable Food and Nutritional Security" (10-12th Nov. 2016) jointly organized by UPCAR, Lucknow and Integral University, Lucknow on **11th Nov. 2016** (LEAD LECTURE)
76. Delivered Keynote Lecture entitled "***Transgenic plants and environmental concerns: A current perspective***" in National Conference on "Changing Environment, Plants, Diseases and Human Health-Vulnerability and Impact Assessments for Adaptation to Climate Change" (9-10th Nov. 2016) organized by Department of Botany, St. Andrew's College, Gorakhpur on **9th Nov. 2016** (KEYNOTE LECTURE, GUEST OF HONOUR)

77. Delivered lecture entitled "***Biotechnology: A Multidisciplinary approach for developing products/processes for human welfare***" in DST-Sponsored INSPIRE Internship Science Camp (14-19th Oct. 2016) organized by S.P Memorial Institute of Technology, Allahabad on 18th Oct. 2016. (AS MENTOR)
78. Delivered lecture entitled "***Scope of Bioinformatics: A computational Intervention in Life Sciences***" in DST-Sponsored INSPIRE Internship Science Camp (14-19th Oct. 2016) organized by S.P Memorial Institute of Technology, Allahabad on 18th Oct. 2016. (AS MENTOR)
79. Delivered a lecture entitled "***Bioinformatics intervention in life sciences: relevance, present status and future prospects***" in "4th Refresher Course on Information and Communication Technology (ID)" (June 25-July 15, 2016) organized by UGC-Human Resource Development Centre, DDU Gorakhpur University on 6th July 2016. (RESOURCE PERSON)
80. Delivered a lecture entitled "***Innovations in Polymerase Chain Reactions (PCR) for diverse applications: An update***" in the DBT sponsored one week National workshop on "Molecular cytogenetic techniques in life sciences" (12-18th March 2016) organized by Department of Botany, St. Andrew's college (P.G.), Gorakhpur 15th March 2016 (INVITED LECTURE)
81. Delivered an invited talk entitled "***Bioinformatics intervention in enzyme technology: new vistas***" at National Conference on "Functional materials" (10-12th March 2016) organized by Department of Physics, DDU Gorakhpur University, Gorakhpur. (INVITED TALK)
82. Participated and presented a paper entitled "***Potential of DOF (DNA binding with One Finger) and NF-Y (Nuclear Factor-Y) Transcription Factor Genes in Drought Tolerance***" at "4th Uttar Pradesh Agricultural Science Congress-Strategic Governance and Technological Advancement for Sustainable Agriculture" (2nd -4th March 2016) organized by Chandra Shekhar Azad University of Agriculture and Technology, Kanpur. (POSTER)
83. Participated and presented a paper entitled "***Biochemical, Molecular, Genomics and Bioinformatics insights of fungal pectinases***" at National Conference on "Emerging Trends in Fungal Biology and Plant Protection(ETFPP-2016) and 42nd Annual Meeting of the Mycological Society of India" (16-18th Feb. 2016) organized by CAS in Botany, Banaras Hindu University, Varanasi. (Awarded For Best Oral Presentation).

84. Delivered **Invited lecture** entitled “***Fungal pectinases: Biotechnological and Bioinformatics Insights***” at National Conference on “**Climate Change, Medicinal Plants and Public Health: Strategizing and Ethnobotanical-Social Resilience**” (27th -28th Jan. 2016) organized by Department of Botany, St. Andrew’s College (P.G.), Gorakhpur on 28th Jan. 2016. (INVITED LECTURE)
85. Delivered **Plenary lecture** entitled “***Molecular Biology, Genomics and Bioinformatics of Fungal pectin lyases: An overview***” at National Conference on “**Biotechnology for Sustainable Development (BSD-2015)**”(17th -19th Dec. 2015) organized by Department of Bio-Engineering, Birla Institute of Technology, Mesra, Ranchi on 17th Dec. 2015. (PLENARY LECTURE)
86. Delivered **Invited speaker** entitled “***Genomics insights provide opportunity for developing stress tolerant crops in the era of climate change***” at National Conference on “**Climate Change and Sustainable Development : Emerging Issues and Mitigation Strategies (CCSD-2015)**”(23rd-24th Nov. 2015) organized by Department of Environmental Sciences, Babasaheb Bhimrao Ambedkar University, Lucknow on 24th Nov. 2015. (INVITED SPEAKER)
87. Delivered **keynote address** entitled “***Genome-wide bioinformatics assessment of plant specific transcription factors: An overview***” at National Conference on “**Bioinformatics Panorama in Agriculture and Health (NCBPAH-2015)**” (5-6th Oct. 2015) organized by Society of Bioinformatics and Department of Computational Biology and Bioinformatics, Jacob School of Biotechnology and Bioengineering, SHIATS, Allahabad, 5th Oct. 2015. (KEYNOTE ADDRESS)
88. Delivered **lecture** entitled “***Biotechnology in India: Relevance, Present Status and Future Prospects: An overview***” at “**100th Orientation Programme**”(May 23-June 19, 2015) organized by UGC-Human Resource Development Centre, DDU Gorakhpur University on 30th May 2015. (RESOURCE PERSON)
89. Delivered **lecture** entitled “***Assessment of sequence-structure-function relationship: A bioinformatics approach***” at DBT sponsored workshop on “**In silico approaches to drug designing (IAADD-2015)**” (23-28th March 2015) organized by School of Biotechnology, BHU, Varanasi on 27th March 2015. (INVITED LECTURE)
90. Delivered **lecture** entitled “***Relevance of bioinformatics based approaches in drug designing: An overview***” at DBT sponsored workshop on “**In silico approaches to**

drug designing (IAADD-2015)” (23-28th March 2015) organized by School of Biotechnology, BHU, Varanasi on 27th March 2015. INVITED LECTURE)

91. Delivered **lecture** entitled “***Genomics and bioinformatics perspectives of DOF (DNA binding with One finger) transcription factor gene family***” at National Conference on “Biotechnology and Human Welfare: New Vistas” (21st -22nd March 2015) organized by Department of Biotechnology, VBS Purvanchal University, Jaunpur on 22nd March 2015. (INVITED SPEAKER)

92. Delivered **lecture** entitled “***Intervention of transgenic technology for promoting sustainable agriculture***” at National workshop “University-Industry Partnership: a march towards Sustainable Growth” (12-13th march 2015) organized by BBAU, Lucknow on 13th March 2015. (INVITED LECTURE)

93. Delivered **lecture** entitled “***Genome mining for characterizing plant specific transcription factor genes: A bioinformatics approach***” at Training Workshop on “Application of Bioinformatics in Life Sciences (ABLS-2015) (19-21st Jan. 2015) organized by School of Biotechnology, BHU, Varanasi on 20th Jan.2015. (INVITED LECTURE)

94. Delivered **lecture** entitled “***Bioinformatics driven research for characterizing microbial pectinases: An overview***” at Training Workshop on “Application of Bioinformatics in Life Sciences (ABLS-2015) (19-21st Jan. 2015) organized by School of Biotechnology, BHU, Varanasi on 20th Jan.2015. (INVITED LECTURE)

95. Delivered **lecture** entitled “***Relevance of Biotech crops in coping for adverse climate change***” at National Conference on “Biodiversity & Climate Change Adaptations-Current Status, Trends & Policy responses” organized by St. Andrew’s College Gorakhpur on 3rd Dec. 2014. (INVITED LECTURE)

96. Delivered **invited lecture** entitled “***Trends in Biotechnology Research in India***” in “**DST-Sponsored INSPIRE Science Camp (21-25th Nov. 2014)**” organized by Mahatma Gandhi Shikhsak Prashikshan Mahavidhyalaya, Banka Bihar on 23rd Nov. 2014. (AS MENTOR)

97. Delivered **invited lecture** entitled “***Genomics driven research for characterizing plant specific transcription factor genes***” in “**DST-sponsored 21 day short term**

training on “Plant Molecular Cytogenetics” organized by St. Andrew’s College Gorakhpur on 11th Nov. 2014. (AS MENTOR)

98. Delivered **invited lecture** entitled “***Biotechnological Intervention in Agriculture : An Overview***” in “**DST-Sponsored INSPIRE Science Camp (24-28th July 2014)**” organized by Nand Kishore Singh P.G. College, Dhanuha Chakka Naini, Allahabad on 24th July 2014. (AS MENTOR)
99. Delivered **invited lecture** entitled “***Relevance of Science and Technology : An Overview***” in “**DST-Sponsored INSPIRE Science Camp (13th -17th July, 2014)**” organized by B.N.M Homoeopathic Medical College and Hospital, Saharsa , Bihar on 16th July 2014. (AS MENTOR)
100. Delivered **invited lecture** entitled “***Plant Biotechnology for attaining food and nutritional security: An update***” in “**DST-Sponsored INSPIRE Science Camp (13th - 17th July, 2014)**” organized by B.N.M Homoeopathic Medical College and Hospital, Saharsa , Bihar on 16th July 2014. (AS MENTOR)
101. Delivered **invited lecture** entitled “***Biotechnology in Agriculture: An overview***” in “**DST-Sponsored INSPIRE Science camp (27th -31st Jan.2014)**” organized by Ashoka Institute of Technology & Management , Sarnath, Varanasi on 27th Jan. 2014. (AS MENTOR)
102. Delivered **invited lecture** entitled “***Biotechnology for food and nutritional security: Present status and Future challenges***” in “**DST-Sponsored INSPIRE Science Camp (24th -28th August, 2013)**” organized by Gandhi Shanti Niketan College, Gohniya(Jasra), Allahabad on 27th August 2013 (AS MENTOR)
103. Delivered a lecture entitled “***Science and Technology in India: Opportunities and Avenues***” in “**DST-Sponsored INSPIRE Science Camp (24th -28th August, 2013)**” organized by Gandhi Shanti Niketan College, Gohniya(Jasra), Allahabad on 27th August 2013 (AS MENTOR)
104. Invited as **Mentor** in “**DST-sponsored INSPIRE Science camp (02-06th Aug. 2013)**” organized by S.B.S.S.P.S.J College, Patahrgama, Godda, Jharkhand and delivered lecture on 02-08-2013.(AS MENTOR)

105. Invited as **Mentor** in “**DST-sponsored INSPIRE Internship (24th-27th Feb. 2012)**” organized by B.N.M.H Medical college and Hospital, Saharsa, Bihar and delivered lecture on **25th Feb. 2012.** (AS MENTOR)
106. Delivered a **lecture** on topic entitled “***Plant Specific Transcription Factors: Key Element for Gene Expression and Regulation***” in National Seminar on “**Transcriptomics : A Recent Era (NST-2012)**” organized by BCS-In silico Biology, Lucknow on **7th April 2012.** (KEYNOTE SPEAKER)
107. Delivered a talk entitled “***Deciphering sorghum genome for characterizing DOF transcription factor gene family***” at National Symposium on “**Technological Interventions for Sustainable Agriculture**” (3rd -5th May 2011) organized by G.B. Pant University of Agriculture and Technology & Indian Society of Hill Agriculture, Hill Campus Ranichauri, Uttarakhand. (INVITED LECTURE)
108. Delivered **lecture** entitled “***Transgenic Technology for global food and nutritional security: An overview***” in National Symposium on “**Advances in Transgenic Technology and its impact on the National Economy**” organized by Society of Biotechnology, Jacob School of Biotechnology and Bioengineering, Sam Higginbottom Institute of Agriculture, Technology and Sciences, Allahabad on **23rd April, 2010.** (INVITED TALK)
109. Delivered lecture entitled “***Potential Molecular tools for Assisting Plant Breeding in Enhancing Crop Productivity***” in ICAR Sponsored Winter School on “**Integration of Molecular and Classical Techniques of Plant Breeding for Enhancing Crop Productivity**” (03rd -23rd Feb. 2009) organized by Department of Genetics and Plant Breeding, G.B.Pant University of Agriculture and Technology, Pantnagar (AS RESOURCE PERSON)
110. Delivered lecture entitled “***Molecular genetic approaches for nutritional quality improvemen***” in ICAR Sponsored Winter School on “**Integration of Molecular and Classical Techniques of Plant Breeding for Enhancing Crop Productivity**” (03rd - 23rd Feb. 2009) organized by Department of Genetics and Plant Breeding, G.B.Pant University of Agriculture and Technology, Pantnagar. (AS RESOURCE PERSON)
111. Delivered **invited lecture** entitled “***Use of proteomics and / or genomics as biotechnological tool to help overcome high altitude stress in plants***” in course on “**Genetic Engineering for High Altitude Research**” (8-12th Dec. 2008) organized by

theDefence Institute of Bio energy Research (Formerly Defence Agricultural Research Laboratory), Goraparao, Haldwani. **(INVITED TALK)**

ORAL / POSTER PRESENTATIONS (26)

1. Participated and presented a paper entitled “***Potential of DOF (DNA binding with One Finger) and NF-Y (Nuclear Factor-Y) Transcription Factor Genes in Drought Tolerance***” at “**4th Uttar Pradesh Agricultural Science Congress-Strategic Governance and Technological Advancement for Sustainable Agriculture**” (2nd - 4th March 2016) organized by Chandra Shekhar Azad University of Agriculture and Technology, Kanpur. **(POSTER)**
2. Participated and presented a paper entitled “***Biochemical, Molecular, Genomics and Bioinformatics insights of fungal pectinases***” at National Conference on “Emerging Trends in Fungal Biology and Plant Protection(ETFP-2016) and 42nd Annual Meeting of the Mycological Society of India” (16-18th Feb. 2016) organized by CAS in Botany, Banaras Hindu University, Varanasi. **(Awarded For Best Oral Presentation).**
3. Participated and presented paper entitled “***Comparative genomics based in-silico assessment of Dof gene family of Medicago truncatula, chickpea and pigeonpea*** at National symposium on “Germplasm to genes: harnessing biotechnology for food security and health” (9-11th August 2015) organized by NRCPB, IARI new Delhi. **(POSTER)**
4. Participated and delivered research paper entitled “***Relevance of omics based approaches in agriculture for developing drought tolerant crops***” at DST sponsored International workshop on “**Bridging Development Divide for inclusive Growth Through Science, Technology and Innovation BRIDGES-2015**” (16-17th Jan 2015) organized by DST-Centre for policy Research, BBA University, Lucknow **(ORAL)**
5. Presented a paper entitled “***Biotechnological Intervention in a terrorist environment***” at National Seminar on “Terrorism in South Asia: Issues, Challenges and Strategic Studies” (14-15th Dec. 2013) organized by Department of Defence & Strategic Studies, DDU Gorakhpur University, Gorakhpur on 15th Dec. 2013. **(ORAL)**
6. Participated and presented paper entitled “***Genome wide expression profiling of Dof (DNA binding with One Finger) transcription factor genes for Sorghum bicolor (L) Moench.***” at International Conference on “Health, Environment & Industrial Biotechnology (BioSangam 2013)” (21st -23rd Nov. 2013) held at Motilal Nehru National Institute of Technology, Allahabad. **(ORAL)**

7. Participated and Presented paper entitled "***Biotechnological potential of pectin lyase secreted by fungal strains***" at "**XXXVI All India Conference of the Indian Botanical Society (Theme: Plant Wealth and Human Welfare)**" (18th -20th Oct. 2013) organized by Department of Botany, D.D.U Gorakhpur University, Gorakhpur.(ORAL)
8. Delivered talk entitled "***Identification of genes involved in the formation and regulation of drought responsive NF-Y transcription complex***" in Australian Centre For Plant Functional Genomics (ACPGF), The University of Adelaide, South Australia Joint Research Meeting (JRM) held on **21-22 Nov. 2012**.(ORAL)
9. Participated and presented paper "***Pattern recognition among in silico predicted gene sequences might leads to determination of its putative functions***" at National Seminar on "**Recent Advances in Digital and Analog Signal Processing**"(21st-22nd Feb. 2012)jointly organized by Department of Electronics, D.D.U Gorakhpur University and National Institute of Electronics & Information Technology, Gorakhpur. (ORAL)
10. Participated and presented paper "***Need for serious evaluation regarding the authenticity of biotechnology based resources available on internet***" at National Seminar on "**Cyber Security: Challenges and Opportunities in 21st Century**" (19-20th Feb. 2012) jointly organized by Department of Computer Sciences, D.D.U Gorakhpur University and National Institute of Electronics & Information Technology, Gorakhpur.(ORAL)
11. Participated and presented paper "***Shift in Aspergillus diversity in soil of Kushmi forest at Gorakhpur owing to changes in vegetations***" at National Conference on "**Climate Change, Biodiversity and Conservation**" (15-16th Feb. 2012) organized by Department of Botany, St. Andrew's College, Gorakhpur.(ORAL)
12. Participated and presented paper entitled "***Insights to diversity of DNA binding with One finger (DOF) transcription factor genes in cereals and millets***" in National Symposium on "**Biodiversity & Food Security-Challenges & Devising Strategies**"(10-11th Dec. 2011) jointly organized by Dheerpura Society for Advancement of Science and Rural Development & Indian Institute of Pulses Research, ICAR, Kanpur.(POSTER)
13. Participated and presented paper entitled "***Indigenous fungal strain from soil as potential source for industrially important enzymes***"in National Conference on

“Biodiversity: Changing Patterns & Conservation Strategies” (26-28th Nov. 2011)
organized by Department of Botany, D.D.U Gorakhpur University, Gorakhpur.(ORAL)

14. Participated and presented paper entitled **“*Sequence analysis of PCR amplified fungal pectin lyases gene*”** at International Conference on **“Microorganisms in Environmental Management and Biotechnology”** (1st -3rd July 2011) organized by Department of Biotechnology & Bioinformatics Centre, Barkatullah University, Bhopal. (POSTER)

15. Participated and presented paper entitled **“*In silico catalytic site prediction of microbial pectin lyases*”** at National Conference on **“Computational Chemistry-Current Perspectives”** (14th -15th March 2011) organized by Department of Chemistry, D.D.U Gorakhpur University, Gorakhpur.(POSTER)

16. Participated and presented paper entitled **“*Molecular cloning and in-silico characterization of promoters of PBF-Dof gene of cereals and millets*”** in National Symposium on **“Emerging Trends in Plant Sciences”** (3rd -4th March, 2011) organized by Department of Botany, Banaras Hindu University, Varanasi. (POSTER)

17. Participated and presented paper entitled **“*In silico characterization of Dof (DNA binding with one finger) transcription factor genes in different crops*”** at National Conference on **“Metabolomics, Transcriptomics and Proteomics”**(29-30th Jan.2011) organized by BCS-In silico Biology at Lucknow.(ORAL)

18. Participated and presented paper entitled **“*Molecular Cloning, sequencing & in silico characterization of SbDof19, SbDof23 & SbDof24 genes of Sorghum bicolor (L) Moench*”** at **“79th meeting of Society of Biological Chemists (India)”**(13-15th Dec. 2010) organized by Indian Institute of Sciences, Bangalore.(POSTER)

19. Participated and presented paper entitled **“*PCR based molecular cloning of pectin lyase gene(s) from Aspergillus niger (MTCC 404)*”** at International Conference on **“Genomic Sciences-Recent Trends”** (12-14th Nov. 2010) organized by School of Biological Sciences, Madurai Kamaraj University, Madurai.(POSTER)

20. Participated and presented paper entitled **“*Molecular cloning and in silico characterization of PBF Dof transcription factor in finger millet (Eleusine coracana*”**

(L Gaertn) at “**3rd Uttarakhand State Science and Technology Congress**” (**10-11th Nov. 2008**), organized by UCOST at IIT Roorkee on **11th Nov. 2008**. **(ORAL)** (*Awarded UCOST Young Scientist Award-Biotechnology, Biochemistry & Microbiology*)

21. Delivered a lecture entitled “***Elucidating the role of DOF (DNA binding with one finger) transcription factor in seed storage protein accumulation and nitrogen metabolism in finger millet***” at International Congress on “Bioprocesses in Food Industries & V BRSI Convention of the Biotech Research Society” (6-8th Nov. 2008) organized by Osmania University, Hyderabad. **(ORAL)**

22. Participated and presented paper entitled “***In silico analysis of cloned seed storage protein promoters of wheat, oat and rice for genetic manipulation of triticin gene, a possible target for wheat nutritional quality improvement***”.at “**Human Genome Meeting HGM-2008**” (27-30th Sept 2008) organized by Hyderabad. **(POSTER)**

23. Delivered **Guest lectures** in “**Genetic Engineering**” paper for M.Sc. Biotechnology student at Department of Biotechnology, BBA University, Lucknow in academic session **2006-2007**.

24. Participated and presented paper entitled “***Plant Tissue Culture of Flacourtia Jangomas (Lour.) Raeuseh, an endangered plant***” at National “Sensitization Programme on Biotechnology” by Small Industries Service Institute, Ministry of S.S.I Govt. of India, Allahabad on **6th March 2005** **(ORAL)**

25. Participated and presented paper entitled “***Cloning of tissue specific promoters for enhanced expression of transgenes in cereal seeds***” at National Symposium on “Biotechnology for sustainability in agriculture” (27-29th April 2000) organized by G. B. Pant University of Agriculture and Technology, Pantnagar. **(POSTER)**

26. Participated and presented paper entitled “***PCR-based cloning of seed storage protein promoters***” at National Symposium on Bioinformatics “Trends in Protein and Nucleic acid sequence analysis ” (30-31st Oct. 1999) organized by School of Biotechnology, Devi Ahilya University, Indore on **31st Oct.1999**.**(ORAL)**

WORKSHOP / SYMPOSIUM /SEMINAR ORGANIZED (15)

1. **As Co-coordinator** for UGC-HRDC sponsored **4th Online Refresher Course in Life Science** organized by HRDC-DDU Gorakhpur University, Gorakhpur from **23rd July to 5th August 2022.**
2. As Co-convener for Value Added Courses in Biotechnology “**Biotechnology for Human welfare**” organized by Department of Biotechnology and Centre for Genomics and Bioinformatics and IPR Cell, DDU Gorakhpur University, Gorakhpur from **26th Dec.-31st Dec. 2021** (Online mode).
3. As **Organizing secretary** for 7- day workshop on “**Research Methodology and Innovations in Life Sciences**” organized by Department of Biotechnology, Centre for Genomics and Bioinformatics and IPR Cell, DDU Gorakhpur University, Gorakhpur from **25th June -1st July 2021** (Online mode).
4. As **Programme Coordinator** of “Professional Development Programme for Faculties in Higher Education: New perspectives of Teaching, Learning and Research” jointly organized by UGC-HRDC and ICT, Cell DDU Gorakhpur University from **23rd June to 29th June 2021** (on virtual platform hosted on Zoom (Zoom ID: 874 4998 2634; passcode:12345)
5. As **Convener** of Online Lecture Series on “**Intellectual Property Rights Issues**” jointly organized by IPR cell and Human Resource Development Centre (HRDC), DDU Gorakhpur University, Gorakhpur from **25th Sept-1st Oct. 2020.**
6. As **Organizing secretary** of National conference on “**Omics for food, health and environment (OFHE-2020)**” organized by Department of Biotechnology, D.D.U Gorakhpur University, Gorakhpur from **14th to 15th Feb. 2020.**
7. As **Convener** of UGC-Sponsored National Seminar on “**Biotechnological Interventions in Agriculture, Health and Industry (BIAHI-2019)**” organized by Department of Biotechnology, D.D.U Gorakhpur University, Gorakhpur from **23rd to 24thFeb. 201.**
8. As **Co-Convener** for National Workshop on “**Scientific Paper Writing and Effective Communication**” jointly organized by Department of Biotechnology, D.D.U Gorakhpur University and Biozone Research Foundation, Gorakhpur from **17th to 18th September 2016.**
9. **As Joint Organizing Secretary** for International Conference Harmony-2013 on “**Harmony with nature in context of ecotechnological intervention and climate change**” organized by Department of Biotechnology, Zoology and Environmental Sciences, D.D.U Gorakhpur University, Gorakhpur (U.P) from **11th Nov. 2013 to 13th Nov. 2013.**

10. As **member co-ordination committee** for “**Industry Academia Coordination Workshop (IACW)-2008**” held at College of Basic Sciences and Humanities, G.B Pant University of Agriculture & Technology, Pantnagar (UttaraKhand) on **15th Nov. 2008**.
11. As **joint organizing secretary** for “**Sensitization workshop on Biosafety issues related to Agricultural Biotechnology**” organized by Department of Molecular Biology & Genetic Engineering, G.B Pant University of Agriculture & Technology, Pantnagar (UttaraKhand) from **3rd -4th Nov. 2008**
12. As **Course organizer** for Biosafety Training “**Biosafety Measures for Monitoring of Deliberate and Unintended Release of Transgenic Crops**” from **23rd -29th Nov. 2006** at Department of Molecular Biology & Genetic Engineering, G.B Pant University of Agriculture & Technology, Pantnagar (UttaraKhand).
13. As **Co-convener** of the regional seminar on “**Organic Farming: a new strategy of agriculture**” organized by Purvanchal Manav Kalyan Sansthan, Maharaganj from **6th May to 7th May, 2004** held at Department of Biotechnology, D.D.U Gorakhpur University.
14. As **member of the Organizing committee** for International Symposium on “**Frontiers of Medicinal Plants Diversity: Prospecting in Sustainable Management for Human Welfare**” at Deen Dayal Upadhyay Gorakhpur University, Gorakhpur from **8th -11th Nov. 2003**.
15. As **member of the Organizing committee** for the seminar on “**PCR diagnosis of Tuberculosis**” at Department of Biotechnology, Deen Dayal Upadhyay Gorakhpur University, Gorakhpur on **6th April 2003**.

ORIENTATION / REFRESHER COURSES / SHORT TERM COURSES/ CONFERENCES/WORKSHOP/SCIENTIFIC MEETINGS ATTENDED (42)

1. Participated in International webinar on “**COVID19 and Environmental Linkages**” organized by Babasaheb Bhimrao Ambedkar University in Collaboration with Society for Environmental Sustainability & Springer Nature on **29th June 2020**.
2. Participated in webinar on “**Prior art searching with google patents**” organized by Turnip Innovations Pvt. Ltd on **26th June 2020**.
3. Attended International webinar on “**Emerging Trends in Biotechnology: Current & Future Challenges in Biotechnology Research**” organized by Pachhunga University College and Mizorum University, Aizwal on **24-26th June 2020**.

4. Attended an International webinar on “***Making Purification Easier, Intuitive and Productive with Flash Chromatography***” organized by Interchim & Spinco Biotech Pvt Ltd on **25th June 2020**.
5. Participated in webinar on “***IPR issues and Patenting***” organized by Department of Chemical Sciences, Maharaja Ranjit Singh College of Professional Studies, Indore, MP on **24th June 2020**.
6. Participated in National webinar on “***Research Ethics and Plagiarism***” organized by Department of Botany, DDU Gorakhpurn University, Gorakhpur on **24th June 2020**.
7. Participated in Interantional webinar on topic “***Mending the Broken Heart: Evolution of Novel Therapeutic Approach***” delivered by Dr. Suresh Verma, The University of Alabama at Birmingham, USA organized by School of Life Sciences, Mizorum University, Aizwal on **18th June 2020**.
8. Participated in International webinar on “***Pandemic era of COVID-19: Where we stand? Where to Go?***” organized by Department of Zoology, DDU Gorakhpur University, Gorakhpur on **09-10th June 2020**.
9. Participated in webinar on “***Pandemics and Hunger- Mainstraming millets for addressing food and nutritional security***” organized by Department of Plant Sciences, School of Life Sciences, University of Hyderabad, Telangana on **8th June 2020**.
10. Participated in International webinar on “***Covid19: challenges and Perspectives***” organized by Department of Botany, Digvijainath Post Graduate College, Gorakhpur (U.P.) on **3rd June 2020**.
11. Participated in five day hands on workshop on “***Patent searching, drafting and filing***” (online mode) organized by Panimalar Institute of Technology, Chennai in association with Turnip Innovations and Exilyze Intellectual Services, IEEE Computer Socceity & Computer Socceity of India (**29th May-2nd June 2020**).
12. Participated in National webinar on “***Medicinal and Aromatic Plants for Boosting Immunity in the Era of COVID-19***” organized by Department of Botany, D.D.U. Gorakhpur University, Gorakhpur on **29th May 2020**.
13. Participated in Webinar on “***Current status of epidemiology, pathogenesis, diagnosis, therapeutics and vaccines for COVID-19***” organized by Faculty of Bio-sciences, Institute of Bio-science and Technology, Shri Ramswaroop Memorial University on **14/05/2020**.

14. Participated in ICMR training on “**Biomedical and Health Research Ethics and GCP Guidelines**” organized by ICMR-RMRC, BRD Medical College, Gorakhpur and NCDIR, Bangalore (21st -22nd Jan. 2020).
15. Participated and presented progress of project in UPCAR Project Annual Review-cum Workshop organized by U.P Council of Agricultural Research, Lucknow (5th -7th April 2017).
16. Participated and presented progress of project in UPCAR Project Annual Review-cum Workshop organized by U.P Council of Agricultural Research, Lucknow (7th -8th May 2016).
17. Participated in National Seminar on “**Role of CST, UP in promotion of science and technology and facilitation of IPR protection**” organized jointly by Faculty of Science, DDU Gorakhpur University, Gorakhpur and CST, UP, Lucknow on 5th March 2015.
18. Participated in DBT-sponsored Short Term Training on “**Non-radioactive Method of Gene Detection in Microbes/GM Crops**” organized by ICAR-National Research Centre on Plant Biotechnology, Pusa, New Delhi (16th 21st Feb. 2015).
19. Participated in UGC-Sponsored “Refresher Course in Life Sciences” organized by D.D.U Gorakhpur University, Gorakhpur (6th -26th Sept.2014).
20. Participated in Brain Storming Session on “**Potential of modern tools for improving the productivity of agricultural crops**” organized by U.P Council of Agricultural Research, Lucknow on 5th May 2014.
21. Participated in National Workshop on “**Bioinformatics-Assisted Biological Research: Microbial Perspective**” organized by National Bureau of Agriculturally Important Microorganisms (NBAIM), Kusmaur, Maunath Bhanjan (24-25th March 2014).
22. Participated in National Conference on “**Organic/Inorganic Functional Materials: A current Perspective**” organized by Department of Chemistry, D.D.U Gorakhpur University, Gorakhpur (1st -2nd March, 2014).
23. Participated in UGC-sponsored Short term course /workshop on “**Water**” organized by Department of Zoology, D.D. Gorakhpur University, Gorakhpur (17th -23rd Dec. 2013)
24. Participated in UGC-sponsored Short term course /workshop on “**Research Guidance, Quality Research and its Metrics**” organized by Academic Staff College , D.D. Gorakhpur University, Gorakhpur (24th -30th Sept. 2013)

25. Participated in UGC-Sponsored “**Refresher Course in Environmental Studies**” organized by D.D.U Gorakhpur University, Gorakhpur (10th -30th Sept.2011).
26. Participated in workshop “**Land to Lab-Exploring Farmers Priorities of Research to Adopt to Climate Change**” jointly organized by Gorakhpur Environmental Action Group and Department of Botany, D.D. U Gorakhpur University on 27th Feb. 2010.
27. Participated in UGC-Sponsored“**Refresher Course in Biotechnology**” organized by Academic Staff College, Himachal Pradesh University, Shimla (18th Nov. to 8th Dec. 2009).
28. Participated in UGC-Sponsored“**Refresher Course in Life Science**” organized by Academic Staff College, D.D.U Gorakhpur University, Gorakhpur (23rd Oct. to 12th Nov. 2009).
29. Participated in DBT Sponsored short term training programme on “**Bioinformatics & System Biology**” organized by University of Lucknow, Lucknow (6 -8th Oct. 2009).
30. Participated in 3 day DBT Sponsored training workshop on “**Biological Sequence Analysis and Application in Agriculture & Veterinary**” organized by G.B. Pant University of Agriculture and Technology, Pantnagar (2nd -4th Sept. 2009).
31. Participated in ICAR Training-cum-workshop on “**IP and Management, Theme: Genetic Engineering**” held at IARI, Pusa, New Delhi (23rd -25th April 2008).
32. Participated in National Training Workshop on “**Biosafety Issues and Web Resources in GMOs**” sponsored by GEF and MOEF organized by National Research Center on Plant Biotechnology, IARI, New Delhi (23rd -25th April 2007).
33. Participated in National Seminar on “**Bioinformatics and Functional Genomics**” sponsored by the Dept. of Biotechnology, Govt. of India, New Delhi organized by Pondicherry University, Pondicherry (15-17th Feb. 2006).
34. Participated in Indian Academy of Sciences, Bangalore sponsored “**Refresher Course in Phylogenetic Biology**” held at the Department of studies in Zoology, University of Mysore, Mysore (10-22nd July 2006).
35. Participated in National Conference on “**Path to Health-Biotechnology Revolutions in India**” ganized by Centre for Biotechnology & Centre with potential for excellence in Environmental Science, Anna University, Chennai (24-26th Nov. 2005).

36. Participated in 2-day Seminar on “**Research Proposals and Resources**” organized by UGC-Academic Staff College, Deen Dayal Upadhyay Gorakhpur University, Gorakhpur (**24-25th Oct. 2005**).
37. Participated in Indian Academy of Sciences, Bangalore sponsored “**Refresher Course in Plant Genetic Engineering**” held at the Department of Plant Biotechnology, School of Biotechnology, Madurai Kamaraj University, Madurai (**7- 21st Dec., 2004**)
38. Participated as *invited teacher* in the 70th Annual Meeting of Indian **Academy of Sciences** held at BHU, Varanasi (**25-27th Nov. 2004**).
39. Participated as *invited teacher* in the 15th Mid-Year Meeting of **Indian Academy of Sciences** held at Indian Institute of Sciences, Bangalore (**1st to 3rd July 2004**).
40. Participated in UGC-sponsored “**Orientation Course**” with ‘A’ grade from Academic Staff College, Deen Dayal Upadhyay Gorakhpur University, and Gorakhpur (**13th March to 9th April 2004**).
41. Participated in Indian Academy of Sciences, Bangalore sponsored “**Refresher Course in Molecular Genetics**” held at the Department of Molecular Biology, School of Biological Sciences, Centre for Advanced studies in Functional Genomics, Madurai Kamaraj University, Madurai (**27th Jan. to 10th Feb., 2003**)
42. Participated in “**Patent Awareness Workshop**” organized jointly by Council of Science and Technology (CST), Govt. of U.P. and Technology, Forecasting and Assessment Council (TIFAC), New Delhi held at D.D.U. Gorakhpur University, Gorakhpur on **19th July 2002**.

EDITORIAL MEMBER/ REVIEWER / REFREE FOR SCIENTIFIC JOURNALS

1. Member, Editorial Board for **Precision Medicine** (ISSN 2377-9888)
2. Member Editorial Board for “**Aperito Journal of Advanced Plant Biology**” (ISSN:2381-4993)
3. Member, Editorial Board for “**The Open Bioinformatics Journal**” (ISSN: 1875-0362) (Bentham publisher)
4. Member, Editorial Board for “**Journal of Food Legume**” (Print ISSN: 0970-6380. Online ISSN: 0976-2434)
5. Member, Editorial Board for “**Octa Journal of Biosciences**” (ISSN:2321-3663)

Reviewers for manuscripts submitted in different journals like

- ❖ Process Biochemistry (Elsevier Publication) [ISSN:1359-5113] (IF=2.524)
- ❖ Biodegradation (Springer Publication) [ISSNp:0923-9820; ISSN:1572-9729] (IF=2.336)
- ❖ Applied Biochemistry and Biotechnology (Springer) [ISSNp:0273-2289; ISSN:1559-0291]
- ❖ Functional and Integrative Genomics (Springer Publication) [ISSN:1438-7948](IF=2.479)
- ❖ Molecular Biology Reports (Springer Publication) [pISSN:0301-4851; eISSN:1573-4978] (IF=1.958)
- ❖ Molecular Neurobiology (Springer Publication) [ISSN:1559-1182; ISSNp:0893-7648](IF=5.137)
- ❖ Frontiers in Plant Sciences [ISSN:1664-462X](IF=3.9)
- ❖ PLoS ONE (Public Library of Sciences Publisher) [eISSN-1932-6203] (IF=3.234)
- ❖ Critical Review in Microbiology (Taylor and Francis Publisher) [ISSN-1040-841X] (IF=6.020)
- ❖ Plant Genes (Elsevier Publication) [ISSN-2352-4073]
- ❖ Genetic Engineering and Biotechnology Journal (Aston Journal) [eISSN:21503516]
- ❖ Global Research Journal of Microbiology
- ❖ Indian Journal of Biotechnology (IJBT)(NISCAIR Publication)[ISSNOnline:0975-0967; ISSNp:0972-5849] (IF= 0.386)
- ❖ Indian Journal of Biochemistry & Biophysics (IJBB) (NISCAIR Publication)[ISSNOnline:0975-0959; ISSNp:0301-1208] (IF= 0.871)
- ❖ Journal of Infectious Diseases and Immunity (Academic Journal)
- ❖ African Journal of Food Sciences (Academic Journal)
- ❖ Proceedings of the National Academy of Sciences, India Section B: Biological Sciences (Springer Publication) [ISSNp:0369-8211; ISSN:2250-1746](IF=0.396)
- ❖ Scientific Reports (Nature Publisher) [ISSN:2045-2322] (IF=5.578)
- ❖ Journal of Cereal Sciences [ISSNp:0733-5210](Elsevier Publication) (IF=2.4)
- ❖ Plant Growth Regulation [ISSNp:0167-6903; ISSN:1573-5087](Springer Publication) (IF=2.33)
- ❖ Plant Sciences [ISSNp:0168-9452] (Elsevier Publication) (IF=3.36)
- ❖ Functional Plant Biology [ISSNp:1445-4408; ISSN:1445-4416](CSIRO Australia publication) (IF=2.083)
- ❖ AMB express [ISSN:2191-0855](Springer Plus publication)
- ❖ Biotechnology Letters [pISSN:0141-5492; eISSN:1573-6776] (IF=2.154) (Springer)
- ❖ Journal of Food Biochemistry [eISSN:1745-4514] (IF=1.358) (Wiley)
- ❖ Physiology and Molecular Biology of Plants [pISSN:0971-5894; eISSN:0974-0430] (IF=1.351) (Springer)
- ❖ Applied Microbiology and Biotechnology Journal [ISSNp:0003-6838; ISSN:1608-3024] (IF=0.671) (Springer)
- ❖ Biologia [ISSNp:0006-3088; ISSN:1336-9563] (IF=0.728) (Springer)

- ❖ Proteins and Peptide Letters [ISSNp:0929-8665; ISSN:1875-5305](IF=1.168) (Bentham Science Publisher)
- ❖ Chemosphere [ISSN:0045-6535](IF=1.168) (Elsevier) (IF=5.108)
- ❖ Environmental Technology and Innovation [ISSN:2352-1864](IF=2.8) (Elsevier)
- ❖ Physiologia Plantarum [ISSN:1399-3054](IF=4.14) (Wiley)

ADMINISTRATIVE EXPERIENCES

- ❖ As **External Expert** of the **Board of Faculty (BOF)** of the Faculty of Allied Health Science, Mahayogi Gorakhnath University, Gorakhpur (2023)
- ❖ As **External Expert of the Board of Studies (BOS)** of the Department of Biotechnology, Faculty of Allied Health Science, Mahayogi Gorakhnath University, Gorakhpur (2023)
- ❖ As **Director, Research and Development Cell**, D.D.U Gorakhpur University, Gorakhpur (Since 3rd Dec. 2022)
- ❖ As **Dean**, Faculty of Rural Science, D.D.U Gorakhpur University, Gorakhpur (Since 4th Sept. 2022)
- ❖ As **Coordinator, Research Cell**, D.D.U Gorakhpur University, Gorakhpur (Since August 2022)
- ❖ As **external expert BOS** in Biotechnology at **Siddharth University, Kapilvastu, Siddharth Nagar** (2021 onwards)
- ❖ As **external expert BOS** in Life Science and Biotechnology at **Chhatrapati Shahu Ji Maharaj University, Kanpur** (2021).
- ❖ As **external expert BOS** in Biotechnology at IIMT University, Meerut (*revision of B.Sc. M. Sc and PhD syllabus on 13/09/2021*)
- ❖ As **Coordinator**, Centre for Genomics and Bioinformatics, DDU Gorakhpur University, Gorakhpur
- ❖ As **Head**, Department of Biotechnology, D.D.U Gorakhpur University, Gorakhpur (**2nd Aug 2016 to 1st Aug 2019**).
- ❖ As **Co-Chairperson** of the Institutional Human Ethical Committee (IHEC), ICMR-RMRC, BRD Medical College, Gorakhpur (**Since May 2019**).
- ❖ As **member** of Committee for **Promotion of Research Work**, D.D.U. Gorakhpur University, Gorakhpur (**Since 11th May 2019**).
- ❖ As **Centre Superintendent** for conducting M. Sc Biotechnology semester examination—June 2019 in Department of Biotechnology (**28th May 2019 to 10th June 2019**).
- ❖ As **Invited member** for BOS in Biochemistry for framing B.S.c and M. Sc biochemistry syllabus at Uttar Pradesh Rajarshi Tandon Open University, Prayagraj on **15/05/2019**.

- ❖ As **Nodal Officer, Intellectual Property Rights (IPR) Cell**, D.D.U. Gorakhpur University, Gorakhpur (**Since 10th Jan. 2019**).
- ❖ As External expert member for Board of Studies (BOS) in Biotechnology, V.B.S Purvanchal University, Jaunpur (**11-08-2018 to 10-08-2020**).
- ❖ As **Vice-Chancellor nominee** for central purchase committee, D.D.U. Gorakhpur University, Gorakhpur (**25-06-2018 to 24-06-2019**).
- ❖ Appointed as **member** by Hon'ble Vice Chancellor for evaluation and opening of quotations for purchase and repairs, D.D.U. Gorakhpur University, Gorakhpur (**Since 12th May 2018**).
- ❖ As **Member, Academic Council**, Allahabad State University, Allahabad (**2017-18**)
- ❖ As **Convener Board of Studies (BOS)** in Biotechnology, Allahabad State University, Allahabad (**2017**).
- ❖ As **member, Board of Studies (BOS)**, Department of Microbiology, D.D.U. Gorakhpur University, Gorakhpur (2016-17; 2017-18; 2018-19; 2019-20; 2020-21).
- ❖ As **Assistant Centre Superintendent (ACS)** Central Evaluation for B.Sc at DDU Gorakhpur University, Gorakhpur -2016-17.
- ❖ As **Assistant Election Officer**, Student Union Election-2016, DDU Gorakhpur University, Gorakhpur.
- ❖ **Centre Superintendent** for B.Com Entrance examination 2016.
- ❖ As **Vice-Chancellor Nominee** for Purchase Committee of Department of Zoology, D.D.U Gorakhpur University, Gorakhpur (2016-17; 2017-18; 2018-19).
- ❖ **Assistant Centre Superintendent (ACS)** Central Evaluation-Biotechnology Centre for B.Sc at DDU Gorakhpur University, Gorakhpur -2015-16.
- ❖ **Centre Superintendent** for M.Sc. Biotechnology Entrance examination 2015.
- ❖ **Chairman**-Volley Ball, University Athlete Association, D.D.U Gorakhpur University, Gorakhpur (2012-13; 2013-14; 2014-15; 2015-16; 2016-17; 2018-19; 2019-20).
- ❖ **Member**, Admission Committee for B.Sc. (Biology group), DDU Gorakhpur University, Gorakhpur 2014-15.
- ❖ **Assistant Centre Superintendent (ACS)** for D.D.U Gorakhpur University Annual Examination, B.Sc-III, B.Sc.(Home Sciences)-III year-2014 (Starting from 29th March 2014).
- ❖ **Assistant Centre Superintendent (ACS)** for DDU Gorakhpur University Semester Examination 2014 (starting from 31st Jan 2014).
- ❖ **Assistant Centre Superintendent (ACS)** Central Evaluation-Biotechnology Centre for 1st, 3rd Semester (M.Sc/MA), MEd, BPEd, BA, B.Sc.-1st year, DDU Gorakhpur University, Gorakhpur -2014-15.
- ❖ **Assistant Centre Superintendent (ACS)** Central Evaluation-Biotechnology Centre for B. Sc, B.Sc (Home Sciences), B.Sc. (Agriculture) and B.Com, DDU Gorakhpur University, Gorakhpur 2013-14 (4th April 2014 to 23rd August 2014).
- ❖ **Member Board of Studies**, Department of Microbiology, DDU Gorakhpur University (2014-15; 2015-16).
- ❖ **Member Board of Studies**, Department of Biotechnology, D.D.U Gorakhpur University.
- ❖ **Member Academic council**, D.D.U Gorakhpur University, Gorakhpur (**14th Oct. 2010 to 14th Oct.2013**).

- ❖ **Member BOS (B.Tech Bio-Technology)** as external member, Institute of Engineering and Technology, Lucknow (27th May 2005).
- ❖ **In-charge**, Department of Biotechnology, D.D.U Gorakhpur University Gorakhpur (**11th Nov. 2005 to 14th June 2006**).

PUBLICATIONS

(Google Scholar Citations=2126; h-index=23; i10-index=39 as on 17/02/2024)

Research papers/Reviews	104
Editorials	02
Articles	02
Chapters in Books	42
Conference Proceedings	11
Books/ Edited Books	03
Manuals/Souvenirs	05
GenBank Accession Numbers	235

Details of research papers/reviews/ editorials/ articles

Sl. No.	Author (s)	Title of the paper	Name of Journal (Impact Factor)	Vol.	Page	Year/ Online first	UGC Care list/Scopus/WoS/Indexed etc.
104	Varsha Rani, Vinay Kumar Singh, D.C. Joshi, Rajesh Singh, <u>Dinesh Yadav</u>	Molecular docking insights into nuclear factor Y (NF-Y) transcription factor and pyrabactin resistance 1 (PYL) receptor proteins reveal abiotic stress regulation in finger millet	Crop Design	3 (1)	1000 51	2024 ((Online first:01/01/2024)	Indexed
103	<u>Dinesh Yadav*</u> , Shruti Dwivedi, Kanchan Yadav, Supriya Gupta, and Sangeeta Yadav,	The diverse industrial applications of microbial pectinases (Feature article)	The Microbiologists (Applied Microbiology International)	2023 issue	N/A	2023 (Online first:16/10/2023) (https://www.themicrobiologist.com/features/the-diverse-industrial-applications-	N/A

						of-microbial-pectinases/1742.article)	
102	Kanchan Yadav, Shruti Dwivedi, Supriya Gupta, Aiman Tanveer, Sangeeta Yadav, Pramod K Yadav, Gautam Anand, Dinesh Yadav*	Recent Insights into Microbial Pectin Lyases: A Review	Process Biochemistry (Elsevier) (IF:4.4) [pISSN:1359-5113; eISSN:1873-3298]	134(1)	199-217	2023 (Online first:07/10/2023) (https://doi.org/10.1016/j.proc.bio.2023.10.008 .)	UGC Care List/ WoS / Scopus/ SCI
101	Shruti Dwivedi, Kanchan Yadav, Supriya Gupta, Aiman Tanveer, Sangeeta Yadav, and Dinesh Yadav*	Fungal pectinases: an insight into production, innovations, and applications.	World J Microbiol Biotechnol (Springer) (IF:4.1) [pISSN:0959-3993; eISSN:1573-0972]	39	305	2023 (Online first:11/09/2023) (https://doi.org/10.1007/s11274-023-03741-x)	UGC Care List/ Scopus/ SCIE
100	Aiman Tanveer, Supriya Gupta, Shruti Dwivedi, Kanchan Yadav, Sangeeta Yadav and Dinesh Yadav*	Innovations in papermaking using enzymatic intervention: an ecofriendly approach	Cellulose (Springer) (IF:5.7) [pISSN:0969-0239; eISSN:1572-882X]	30	7393 - 7425	2023 (Online first:29/06/2023) (https://doi.org/10.1007/s10570-023-05333-2)	UGC Care List/ Scopus/ SCI/SCIE
99	Varsha Rani, D C Joshi, Priyanka Joshi, Rajesh Singh and Dinesh Yadav*	"Millet Models" for harnessing nuclear factor-Y transcription factors to engineer stress tolerance in plants: current knowledge and emerging paradigms	Planta (Springer) (IF:4.3) [pISSN:0301-4851; eISSN:1573-4978]	258(2)	29	2023 (Online first:26/06/2023) https://doi.org/10.1007/s00425-023-04186-0	UGC Care List/ Scopus/ SCI/SCIE
98	R L Maurya, Mukesh Kumar, Ujjwal Sirohi, Priya, Veena Chaudhary, Rakesh Sharma, Dinesh Yadav and Manoj Kumar Yadav	Effect of silver nitrate and thidiazuron on shoot proliferation, hyperhydricity and assessment of genetic fidelity of microplants	Cytology Genetics (Springer) (IF=0.579) [pISSN:0095-4527; eISSN:1934-9440]	57	87-94	2023 (Online first:09/03/2023) (https://doi.org/10.3103/S009	UGC Care List/ Scopus /SCIE

		carnation (<i>Dianthus caryophyllus</i> L.)				5452723010061)	
97	Gaur RK, Yadav D and Albrechtsen BR	Omics driven research for the improvement of industrial crops (Editorial)	Front. Plant. Sci (IF:5.6) (Sec. Crop and product Physiology) [eISSN:1664-462X]	14	1143 571	2023 (Online first:15/02/2023) (https://doi.org/10.3389/fpls.2023.1143571)	Scopus/WoS/SCIE
96	Shubhra Gupta, Kapil Gupta, Chitra Nehra, R. K. Gaur and Dinesh Yadav*	Biotechnological intervention for sugarcane improvement under salinity	Sugar Tech (Springer) (IF:1.9) [ISSNp:0972-1525 ISSNe:0974-0740] (IF=0.621)	25	15- 31	2023 (Online first: 08/06/2022) (https://doi.org/10.1007/s12355-022-01174-8)	UGC Care List/Scopus/SCIE
95	Varsha Rani, Rajesh Singh and Dinesh Yadav*	Omics intervention in crop improvement: an overview	Kahaar: a multilingual magazine for common people (Prof. H.S. Srivastava foundation for science and society, Lucknow, India) [ISSNp:2394-3912 ISSNe:2395-9369]	9(3-4)	35-40	2022 (https://kahaar.in/doc/Kahaar_July_December_2022.pdf)	Others
94	Kanchan Yadav, Shruti Dwivedi, Supriya Gupta, Amit K Dubey, Vinay K Singh, Aiman Tanveer, Sangeeta Yadav, and Dinesh Yadav*	Genome mining of <i>Fusarium</i> reveals structural and functional diversity of pectin lyases: a bioinformatics approach.	3 Biotech (Springer) (IF=2.893) [pISSN:2190-572X; eISSN:2190-5738]	12	261	2022 (Online first :06/09/2022) (https://doi.org/10.1007/s13205-022-03333-w)	UGC care List/Scopus / SCIE
93	Rupali Gupta, Gautam Anand, Rakesh Pandey ad Dinesh Yadav*	Microbial management of phytonematode in medicinal and	Journal of Biotechnology and Crop Science	10(15)	139-145	2022 (Online First:16/09/2023)	Indexed

		aromatic plants: An eco-friendly approach	[pISSN:2349-9885; eISSN:2582-5089]			(https://www.indianjournals.com/ijor.aspx?target=ijor:jbc&volume=10&issue=15&article=016)	
92	<u>Dinesh Yadav*</u>	Elucidating diversity of transcription factors to develop stress-tolerant crops: An overview (Current Affairs section)	Journal of Food Legume (Indian Society of Pulses Research and Development) [ISSNp:0970-6380 ISSN:0976-2434]	35(1)	1-2	2022 (First online:10/08/2022) (https://www.indianjournals.com/ijor.aspx?target=ijor:jfl&volume=35&issue=1&article=001)	Indexed
91	Srivastava A, Pandey V, Sahu AK, <u>Yadav D,</u> Al-Sadi AM, Shahid MS and Gaur R	Evolutionary Dynamics of Begomoviruses and Its Satellites Infecting Papaya in India.	Front. Microbiol (Sec. Virology) (IF=5.2) [eISSN:1664-302X]	13:8 7941 3.		2022 (First online: 12/05/2022) (https://doi.org/10.3389/fmicb.2022.879413)	Scopus/ PubMed/ PubMed Central
90	Rupali Gupta, Gautam Anand, Rajeev Gaur and <u>Dinesh Yadav*</u>	Plant-microbiome interactions for sustainable agriculture: a review	Physiology and Molecular Biology of Plants (Springer) (IF=3.5) [pISSN:0971-5894; eISSN:0974-0430]	27(1)	165-179	2021 (Online first: 30/01/2021) (http://doi.org/10.1007/s12298-021-00927-1)	UGC care List/Scopus / SCIE /PubMed Central
89	Sangeeta Yadav, Gautam Anand, Vinay K Singh and <u>Dinesh Yadav</u>	Molecular cloning and structural insights pectin lyase proteins from different strains of <i>Fusarium</i>	Current Proteomics (Bentham Science) (IF=0.768) [ISSNp:1570-1646; ISSN:1875-6247]	18 (3)	326-337	2021 (Online First: 20/07/2020) (Doi: 10.2174/1570164617999200720170153)	Scopus/SCI E
88	Joshi DC, Sood S, Hosahatti R, Kant L, Pattanayak A, Kumar A, <u>Yadav D</u> and Stetter MG	From zero to hero: the past, present and future of grain amaranth breeding	Theoretical and Applied Genetics (Springer) (IF =5.4)	131	1807 - 1823	2018 (Online first: 10 th July 2018)	UGC care List/Scopus / SCI/ SCIE

			[ISSNp:0040-5752; ISSNe:1432-2242]			https://doi.org/10.1007/s00122-018-3138-y	
87	Deepsikha Anand, Sangeeta Yadav and <u>Dinesh Yadav*</u>	Screening of potential xylanase producing fungal strains under solid state fermentation conditions	International Journal of Biology Research [ISSN:2455-6548]	3(1):	348-354	2018 (Online first: Jan. 2018) https://www.biologyjournal.in/archives/2018/vol3/issue1/3-1-79	Indexed journal
86	Meera Yadav, K. S. Yadav, Pratibha Yadav, <u>Dinesh Yadav</u> and K.D.S. Yadav	Wide occurrence of manganese peroxidase in plants	Global Journal of Bio-Sciences and Biotechnology (Society for Science and Nature) [ISSNp:2278-8891; ISSNe:2278-9103]	72(2)	234-238	2018 http://www.scienceandnature.org/GJBB/GJBB_Vol7(2)2018/GJBB-V7(2)2018-4.pdf	N/A
85	Deepsikha Anand, Jeya Nasim, Sangeeta Yadav and <u>Dinesh Yadav*</u>	Bioinformatics insights into microbial xylanases protein sequences	Biosciences Biotechnology Research Asia [ISSNp:0973-1245; ISSNe:2456-2602]	15(2)	275-294	2018 (Online first:27/06/2018) http://dx.doi.org/10.13005/bbra/2631	Indexed journal
84	S Yadav, S K Maurya, G Anand, R Dwivedi and <u>D Yadav</u>	Purification and characterization of a highly alkaline pectin lyase from <i>Fusarium lateritum</i> MTCC 8794	Biologia (Springer) (IF=1.5) [ISSNp:0006-3088; ISSNe:1336-9563]	72(3)	245-251	2017 (Online first: 30/12/2017) https://doi.org/10.1515/biolog-2017-0038	UGC Care List/Scopus / SCIE
83	G Anand, S Yadav, A Tanveer, J Nasim, NK Singh, AK Dubey and <u>D Yadav*</u>	Genome-wide assessment of polygalacturonases-like genes of <i>Medicago truncatula</i> , <i>Sorghum bicolor</i> , <i>Vitis vinifera</i> and <i>Oryza sativa</i> using comparative genomics approach	Interdisciplinary Sciences: Computational Life Sciences (Springer) (IF=4.8) [ISSNp:1913-2751; ISSNe:1867-1462]	10(4)	704-721	2017 (Online first: 14/12/2017) https://doi.org/10.1007/s12539-017-0230-y	UGC care List/Scopus / SCIE
82	S Yadav, S K Maurya, G Anand, R Dwivedi and <u>D Yadav</u>	Purification, characterization and retting of <i>Crotalaria juncea</i> fibre by an	3 Biotech (IF=2.893)	7(2)	136	2017 (Online first: 08/06/2017)	UGC care List/Scopus / SCIE

		alkaline pectin lyase from <i>Fusarium oxysporum</i> MTCC 1755	[pISSN:2190-572X; eISSN:2190-5738]			https://doi.org/10.1007/s13205-017-0750-5)	
81	G Anand, S Yadav and <u>D Yadav*</u>	Production, purification and biochemical characterization of an exo-polygalacturonases from <i>Aspergillus niger</i> MTCC 478 suitable for clarification of orange juice.	3 Biotech (IF=2.893) [pISSN:2190-572X; eISSN:2190-5738]	7(2)	122	2017 (Online first: 31/05/ 2017) https://doi.org/10.1007/s13205-017-0760-3)	UGC care List/Scopus / SCIE
80	G Anand, S Yadav and <u>D Yadav*</u>	Purification and biochemical characterization of an exo-polygalacturonase from <i>Aspergillus flavus</i> MTCC 7589	Biocatalysis and Agricultural Biotechnology (IF=4.0) [ISSN:1878-8181]	10	264-269	2017 (Online first:05/04/2017) https://doi.org/10.1016/j.bcab.2017.03.018)	Scopus/ WoS
79	Meera Yadav, Sangeeta Yadav, <u>Dinesh Yadav</u> and KDS Yadav	In-silico analysis of Manganese peroxidases from different fungal sources	Current Proteomics (Bentham Science) (IF=0.768) [ISSNp:1570-1646; ISSNc:1875-6247]	14(3)	201-213	2017 (Online first:18/01/ 2017) https://doi.org/10.2174/1570164614666170203165022)	Scopus/SCI E
78	M Kumar, J Nasim, S Yadav, A Tanveer and <u>D Yadav*</u>	Computational insight into PCR amplified pectate lyase genes from different species of <i>Aspergillus</i>	Biotechnology Journal International (Previously known as <i>British Biotechnology Journal</i>) [ISSN:2231-2927]	17(1)	1-13	2016 (Online first: 31/12/ 2016) https://journal.bji.com/index.php/BJI/article/view/225/453)	Indexed journal
77	Preeti Rana, Bhakti Rana, Suman Lata Yadav, <u>Dinesh Yadav</u> , M.K. Tripathi and Manoj K Yadav	Design optimization through 3D QSAR of malonyl-coenzyme-A decarboxylase inhibitors with the help of comparative molecular field analysis	Octa Journal of Biosciences [ISSN:2321-3663]	4(2)	64-66	2016 (Online first:07/12/2016) http://sciencebeingjournal.com/octa-journal-biosciences/de sign-	Indexed Journal

						optimization-through-3d-qsar-malonyl-coenzyme-decarboxylase-inhibito)	
76	Aiman Tanveer, Sangeeta Yadav and <u>Dinesh Yadav*</u>	Comparative assessment of methods for metagenomic DNA isolation from soils of different crop growing fields	3 Biotech (Springer) (IF=2.893) [pISSN:2190-572X; eISSN:2190-5738]	6(2)	220	2016 (Online first: 12/10/ 2016) http://doi.org/10.1007/s13205-016-0543-2)	UGC care List/Scopus / SCIE
75	Gautam Anand, Sangeeta Yadav and <u>Dinesh Yadav*</u>	Purification and characterization of polygalacturonase from <i>Aspergillus fumigatus</i> MTCC 2584 and elucidating its application in retting of <i>Crotalaria juncea</i> fiber	3 Biotech (Springer) (IF=2.893) [pISSN:2190-572X; eISSN:2190-5738]	6(2)	201	2016 (Online first: 22/09/ 2016) http://doi.org/10.1007/s13205-016-0517-4)	UGC care List/Scopus / SCIE
74	V K Morya, Virendra K Yadav, Sangeeta Yadav and <u>Dinesh Yadav*</u>	Active site characterization of proteases sequences from different species of <i>Aspergillus</i>	Cell Biochemistry and Biophysics (Springer) (IF=2.6) [pISSN:1085-9195; eISSN:1559-0283]	74(3)	327-345	2016 (Online first: 2906/2016) http://doi.org/10.1007/s12013-016-0750-9)	UGC care List/Scopus / SCIE
73	Chandra Prakash, Hariom Kushwaha, Vinay Kumar Singh, Praveen Kumar Singh, Anil Kumar and <u>Dinesh Yadav*</u>	PCR amplification and bioinformatics assessment of promoters of PBF-DOF (DNA binding with One finger) genes of finger millet	International Journal of Agriculture, Environment and Biotechnology (IJAEB) [pISSN:0974-1712; eISSN:2230-732X]	9(5)	773-785	2016 (Online first: 04/11/ 2016) http://doi.org/10.5958/2230-732X.2016.00100.5)	Indexed Journal
72	Amit Kumar Dubey, Sangeeta Yadav, Gautam Anand, Vinay Kumar Singh and <u>Dinesh Yadav*</u>	Molecular cloning in-silico analysis of pectin lyase from <i>Aspergillus niger</i> MTCC 404	Online Journal of Bioinformatics [ISSN:1443-2250]	17(2)	136-147	2016 http://onlinbioinform.com/pectinabs2016.htm)	Indexed Journal
71	Yadav Dinesh, Malviya Neha, Nasim Jeya and Kumar Rajendra	Bioinformatics intervention in elucidating structural and functional attributes of plant	Research Journal of Biotechnology [ISSN:0973-6263]	11(7)	83-96	2016 (Online first: 24/05/2016)	Others

		specific transcription factors: A review					
70	S Gupta, G C Arya, N Malviya, N C Bisht and D Yadav*	Molecular cloning and expression profiling of multiple <i>Dof</i> genes of <i>Sorghum bicolor</i> (L) Moench	Molecular Biology Reports (Springer) (IF= 2.8) [pISSN:0301-4851; eISSN:1573-4978]	43(8)	767-774	2016 (Online first: 26/05/2016) http://doi.org/10.1007/s11033-016-4019-6	UGC care List/Scopus / SCI/SCIE
69	Jeya Nasim, Neha Malviya, Rajendra Kumar and Dinesh Yadav*	Genome-wide bioinformatics analysis of <i>Dof</i> transcription factor gene family of chickpea and its comparative phylogenetic assessment with Arabidopsis and rice.	Plant Systematics and Evolution (Springer) (IF=1.9) [pISSN:0378-2697; eISSN:1615-6110]	302	1009 - 1026	2016 (Online first: 12/05/2016) http://doi.org/10.1007/s00606-016-1314-6	UGC care List/Scopus / SCI/SCIE
68	Neha Malviya, Parul Jaiswal and Dinesh Yadav*	Genome-wide characterization of Nuclear Factor Y (NF-Y) gene family of sorghum (<i>Sorghum bicolor</i> (L) Moench): A bioinformatics approach	Physiology and Molecular Biology of Plants (Springer) (IF=3.5) [pISSN:0971-5894; eISSN:0974-0430]	22(1)	33-49	2016 (Online first: 0104/ 2016) http://doi.org/10.1007/s12298-016-0347-z	UGC care List/Scopus / SCI/SCIE
67	Amit Kumar Dubey, Sangeeta Yadav, Manish Kumar, Gautam Anand and Dinesh Yadav*	Molecular biology of microbial pectate lyases; A review	Biotechnology Journal International (Previously known as British Biotechnology Journal) [ISSN:2231-2927]	13(1)	1-26	2016 (Online first: 26/03/ 2016) https://doi.org/10.9734/BBJ/2016/24893	Indexed Journal
66	A K Dubey, S Yadav, A Tanveer, G Anand, V K Singh and Dinesh Yadav*	In silico 3D structure of pectin lyase proteins of <i>Aspergillus flavus</i> NRRL 3357	Online Journal of Bioinformatics [ISSN:1443-2250]	17(1)	13-28	2016 http://onlinbioinform.com/flavusubs2016.htm	Indexed Journal
65	S. Tiwari, B. K Sarangi, M.V. Seralanatham, S.Sivanesan, D. Yadav and S.T. Thul	Determination of arsenic extraction by <i>Vetiveriazanioides</i> plant for phytoremediation applications	Chemistry and Ecology (Taylor and Francis) (IF=2.5) [pISSN:0275-7540; eISSN:1029-0370]	32(1)	1-11	2016 (Online first: 28/12/ 2015) http://doi.org/10.1080/02757540.2015.1109080	SCIE

64	D. Yadav* , S. Yadav, R Dwivedi, G. Anand and P.K Yadav	Potential of microbial enzymes in retting of natural fibers: A review	Current Biochemical Engineering (Bentham Science) [pISSN:2212-7119; eISSN:2212-7127]	3(2)	89-99	2016 (http://doi.org/10.2174/221271190302160607151925)	Indexed
63	Dinesh Yadav , Yuri Shavrukov, Natalia Bazanova, Larissa Chirkova, Nikolai Borisjuk, Nataliya Kovalchuk, Ainur Ismagul, Boris Parent, Peter Langridge, Maria Hrmova and Sergiy Lopato	Constitutive over-expression of TaNF-YB4 gene in transgenic wheat significantly improves grain yield	Journal of Experimental Botany (Oxford Academics) (IF=6.9) [pISSN:0022-0957; eISSN:1460-2431]	66(21)	6635-50	2015 (Online first: 27/07/2015) (https://doi.org/10.1093/jxb/erv370)	SCI/SCIE/ PubMed
62	S Gupta, N Malviya, H Kushwaha, J Nasim, NC Bisht, VK Singh and D Yadav*	Insights into structural and functional diversity of Dof (DNA binding with One Finger) transcription factor	Planta (Springer) (IF=4.3) [pISSN:0301-4851; eISSN:1573-4978]	241	549-562	2015 (Online first: 07/01/ 2015) (http://doi.org/10.1007/s00425-014-2239-3)	UGC Care List/ Scopus/ SCI/SCIE
61	N Malviya, S Gupta, V K Singh, M K Yadav, N C. Bisht, B K Sarangi and D Yadav*	Genome wide <i>in-silico</i> characterization of <i>Dof</i> gene families of pigeon pea (<i>Cajanus cajan</i> (L) Millsp.)	Molecular Biology Reports (IF= 2.8) [pISSN:0301-4851; eISSN:1573-4978]	42(2)	535-552	2015 (Online first: 26/10/2014) (http://doi.org/10.1007/s11033-014-3797-y)	UGC care List/Scopus / SCI/SCIE
60	Hariom Kushwaha, Kedir Woliy Jillo, Vinay Kumar Singh, Anil Kumar and Dinesh Yadav*	Assessment of genetic diversity among cereals and millets based on PCR amplification using Dof (DNA binding with One finger) transcription factor gene specific primers	Plant Systematics and Evolution (IF=1.9) [ISSNp:0378-2697 ISSN:2199-6881]	301(2)	833-840	2015 (Online first: 25/06/2014) (https://doi.org/10.1007/s00606-014-1095-8)	UGC care List/Scopus / SCI/SCIE
59	Sarita Tiwari, Bijaya Ketan Sarangi, Jeya Nasim and Dinesh Yadav*	In silico arsenate reductase gene in biological system	Online Journal of Bioinformatics [ISSN:1443-2250]	16(3)	303-317	2015 (http://onljbioinform.com/arsenateabs2015.htm)	Indexed Journal

58	Dinesh Yadav*	Relevance of bioinformatics in the era of genomics (Editorial)	Journal of Next Generation Sequencing and Applications [ISSN:2469-9853]	2(1)	2:e102	2015 (Online first: 23/04/ 2015) (doi:10.4172/jn gsa.1000e102) (https://www.iomcworld.com/open-access/relevance-of-bioinformatics-in-the-era-of-omics-driven-research-jngsa-1000e102.pdf)	Others
57	S.Yadav, A.K Dubey, G. Anand, R. Kumar and D.Yadav	Purification and biochemical characterization of an alkaline pectin lyase from <i>Fusarium decemcellulare</i> MTCC 2079 suitable for <i>Crotalaria juncea</i> fibre retting	Journal of Basic Microbiology (Wiley) (IF=3.1) [eISSN: 1521-4028]	54	S161-169	2014 (Online first: 08/11/2013) (http://doi.org/10.1002/jobm.201300281)	SCI/SCIE/WoS/Scopus
56	Shubhra Gupta, Hariom Kushwaha, Vinay K Singh, Naveen C Bisht, Bijaya K Sarangi and Dinesh Yadav*	Genome wide in-silico characterization of Dof transcription factor gene family of sugarcane and its comparative phylogenetic analysis with Arabidopsis, rice and sorghum	Sugar Tech (Springer) (IF=1.9) [ISSNp:0972-1525 ISSNe:0974-0740]	16(4)	372-384	2014 (Online first: 08/01/2014) (https://doi.org/10.1007/s12355-013-0288-8)	UGC Care List/Scopus/SCIE
55	Uma M Singh, Dinesh Yadav , M K Tripathi, Waseem Seikh and Manoj K Yadav	Modified method of DNA isolation and optimization of PCR protocol for RAPD analysis of endangered medicinal plant <i>Nardostachys jatamansi</i> DC	Octa Journal of Biosciences [ISSN:2321-3663]	2(2)	115-118	2014 (Online first: 25/12/ 2014) (http://sciencebeingjournal.com/octa-journal-biosciences/modified-method-dna-isolation-and-optimization-pcr-protocol-rapd-analysis-e)	Indexed Journal

54	Manish Kumar, Sangeeta Yadav, Jeya Nasim and <u>Dinesh Yadav*</u>	Computational assessment of predicted three dimensional structures of pectate lyases from different species of <i>Aspergillus</i> using homology modeling	European Journal of Biotechnology and Bioscience [eISSN:2321-9122]	2(6)	59-71	2014 (Online first:01/01/2015) (https://www.biosciencejournals.com/archives/2015/vol3/issue6/11.1)	Indexed Journal
53	N Malviya, M K Yadav, M K Tripathi, B K Sarangi and <u>D Yadav*</u>	Environmental concerns for transgenic plants: An overview	Octa Journal of Biosciences [ISSN:2321-3663]	2(2)	86-90	2014 (Online first: 25/12/ 2014) (http://sciencebeingjournal.com/octa-journal-biosciences/environmental-concerns-transgenic-plants-overview)	Indexed Journal
52	Vandana Kashyap, Bijaya Ketan Sarangi, Manoj Kumar Yadav and <u>Dinesh Yadav*</u>	In-vitro multiple shoot bud induction and regeneration from plumule junction explants of pigeon pea (<i>Cajanus cajan</i> (L) Millsp.)	African Journal of Biotechnology (Academic Journals) [ISSN:1685-5315]	13(41)	4061 - 4069	2014 (Online first: 08/10/ 2014) (http://doi.org/10.5897/AJB2014.13719)	Indexed Journal
51	Shubhra Gupta, Neha Malviya, Jeya Nasim and <u>Dinesh Yadav*</u>	Computational insights into three dimensional structures of Dof transcription factors of <i>Sorghum bicolor</i> (L.) Moench	European Journal of Biotechnology and Bioscience [eISSN:2321-9122]	2(4)	14-25	2014 (Online first: 16/09/2014) (https://www.biosciencejournals.com/assets/archives/2014/vol2issue4/4.1.pdf)	Indexed Journal
50	Hariom Kushwaha, Shubhra Gupta, Vinay Kumar Singh, Naveen C Bisht, Bijaya K Sarangi and <u>Dinesh Yadav*</u>	Cloning, <i>in silico</i> characterization and prediction of three-dimensional structure of SbDof1, SbDof19, SbDof23 and SbDof24 proteins	Molecular Biotechnology (Springer) (IF=2.6) [ISSNp:1073-6085 ISSNe:1559-0305]	54	1-12	2013 (Online first: 04/04/2012) (https://doi.org/10.1007/s12033-012-9536-5)	UGC Care List/Scopus /SCIE

		from sorghum (<i>Sorghum bicolor</i> (L.) Moench)					
49	S. Yadav, A. K. Dubey, G. Anand and <u>D. Yadav</u>	Purification and characterization of pectin lyase secreted by <i>Aspergillus flavus</i> MTCC 10938	Applied Biochemistry and Microbiology (Springer) (IF=0.8) [ISSNp:0003-6838 ISSNe:1608-3024]	49(4)	400-405	2013 (Online first: 04/07/2013) (https://doi.org/10.1134/S0003683813040145)	UGC Care List/Scopus /SCIE
48	Uma M Singh, <u>Dinesh Yadav</u> , M.K. Tripathi, Anil Kumar and Manoj K. Yadav	Genetic diversity analysis of <i>Nardostachys jatamansi</i> DC, an endangered medicinal plant of Central Himalaya, using random amplified polymorphic DNA (RAPD) markers	African Journal of Biotechnology [ISSN:1685-5315]	12 (20)	2816 - 2821	2013 (Online first: 18/04/2013) (https://doi.org/10.5897/AJB12.9717)	Indexed Journal
47	M K Triptahi, Vinod Kumar, M k Yadav, <u>Dinesh Yadav</u> and Sharad Pandey	Beneficial role of soybean phytoestrogens	Octa Journal of Biosciences [ISSN:2321-3663]	1(2)	170-176	2013 (Online first: 20/11/2013) (http://sciencebeingjournal.com/octa-journal-biosciences/beneficial-role-soybean-phytoestrogens)	Indexed Journal
46	Manoj K Yadav, R K Singh, <u>D Yadav</u> , M K Tripathi, A Tomer, B Rana, S Bansal and G K Garg	Evaluation of shoot proliferation, height and vitrification in carnation during micropropagation of selected ideotypes	Progressive Agriculture [ISSNp:0972-6152; ISSNe:0976-4615]	13(1)	196-198	2013 (Online first: 10/02/2014) (https://www.indianjournals.com/ijor.aspx?target=ijor.pa&volume=13&issue=1&article=033)	Indexed Journal

45	Sangeeta Yadav, Gautam Anand, Amit Kumar Dubey and <u>Dinesh Yadav</u>	Purification and characterization of exo-polygalacturonases secreted by <i>Rhizopus oryzae</i> MTCC 1987 and its role in retting of <i>Crotalaria juncea</i> fibre	Biologia (Springer) (IF=1.5) [ISSNp:0006-3088 ISSNe:1336-9563]	67(6)	1069 - 1074	2012 (Online first: 19/10/2012) (https://doi.org/10.2478/s11756-012-0122-x)	UGC care List/SCIE/Scopus
44	Sangeeta Yadav, Amit Kumar Dubey, Gautam Anand and <u>Dinesh Yadav</u>	Characterization of a neutral pectin lyase produced by <i>Oidiodendron echinulatum</i> MTCC 1356 in solid state fermentation	Journal of Basic Microbiology (IF=3.1) [ISSN (online) 1521-4028]	52(6)	713-720	2012 (Online first: 23/02/2012) (https://doi.org/10.1002/jobm.201100326)	SCI/SCIE/WoS/Scopus
43	Vivek Kumar Morya, Sangeeta Yadav, Eun-Ki Kim and <u>Dinesh Yadav*</u>	<i>In silico</i> characterization of alkaline proteases from different species of <i>Aspergillus</i>	Applied Biochemistry and Biotechnology (Springer) (IF=3.0) [ISSNp:0273-2289 ISSNe:1559-0291]	166	243-257	2012 (Online first: 10/11/ 2011) (https://doi.org/10.1007/s12010-011-9420-y)	UGC care List/Scopus / SCI/SCIE
42	Neha Malviya, B. K Sarangi, Manoj Kumar Yadav and <u>Dinesh Yadav*</u>	Analysis of Genetic diversity in cowpea (<i>Vigna unguiculata</i> L Walp) cultivars with random amplified polymorphic DNA (RAPD) markers	Plant Systematics and Evolution (IF=1.9) [ISSNp:0378-2697 ISSNe:2199-6881]	298	523-526	2012 (Online first: 21/10/ 2011) (http://doi.org/10.1007/s00606-011-0545-9)	UGC care List/Scopus / SCI/SCIE
41	Bijaya Ketan Sarangi, Sarita Tiwari, <u>Dinesh Yadav</u> , Ram Avtar Pandey	Enhanced energy density in plants: scope and prospects	Dynamic Biochemistry, Process Biotechnology and Molecular Biology (Global Science Boks) [ISSN:1749-0626]	6(<i>Special issue</i> 2)	22-31	2012 (Online first: 24/08/2012) (http://www.globalsciencebooks.info/Online/GSBOonline/images/2012/DBPBMB_6(SI2)/DBPBMB_6(SI2)22-31o.pdf)	Others
40	Manoj K. Yadav, Rajesh Kumar Singh, <u>Dinesh Yadav</u> , M. K. Tripathi, Bhakti Rana,	Effect of ABA and GAs on Hyperhydricity and Assessment of <i>In Vitro</i> and <i>Ex Vitro</i>	Progressive Agriculture [ISSNp:0972-6152; ISSNe:0976-4615]	12(1)	11-18	2012 (Online first: 06/09/2012) (https://www.indianjournals.com)	Indexed Journal

	Anil Sirohi, Rajendra Kumar, G. K. Garg	Rooting Pattern for Suitability of Acclimatization in Carnation				om/ijor.aspx?target=ijor:pa&volume=12&issue=1&article=002)	
39	Dubey A K, Yadav S, Rajput R, Anand G, Yadav D*	In silico characterization of bacterial, fungal and plant polygalacturonase protein sequences	Online Journal of Bioinformatics [ISSN:1443-2250]	13(2)	246-259	2012 (http://onljbioinform.com/polygalactoabs2012.htm)	Indexed Journal
38	Yadav SK, Dubey AK, Yadav S, Bisht D, Darmwal NS and Yadav D*	Amino acid sequences based phylogenetics and motif assessment of lipases from different organisms	Online Journal of Bioinformatics [ISSN:1443-2250]	13(3)	400-417	2012 (http://onljbioinform.com/lipasabs2012.htm)	Indexed Journal
37	Dinesh Yadav* , Gautam Anand, Amit Kumar Dubey, Shubhra Gupta and Sangeeta Yadav	Patents in the era of Genomics: An overview	Recent Patents on DNA and Gene Sequences (now as Recent Advances in DNA and Gene Sequences) (Bentham Science) [ISSNp:2352-0922; ISSNe:2352-0930]	6 (2)	127-144	2012 (Online first: 16/01/2012) (http://doi.org/10.2174/187221512801327415)	PubMed/Indexed journal
36	Amit Kumar Dubey, Sangeeta Yadav, Gautam Anand, Naveen C Bisht and Dinesh Yadav*	Insights to sequences of PCR amplified pectin lyase genes from different fungal strains	Online Journal of Bioinformatics [ISSN:1443-2250]	13(1)	80-92	2012 (http://onljvetres.com/fungals2012.htm)	Indexed Journal
35	Hariom Kushwaha, Shubhra Gupta, Vinay Kumar Singh, Smita Rastogi and Dinesh Yadav*	Genome wide identification of Dof transcription factor gene family in sorghum and its comparative phylogenetic analysis with rice and Arabidopsis.	Molecular Biology Reports (IF=2.8) [pISSN:0301-4851; eISSN:1573-4978]	38	5037 - 5053	2011 (Online first: 16/12/2010) (https://doi.org/10.1007/s11033-010-0650-9)	UGC care List/Scopus / SCI/SCIE
34	Vandana Kashyap, Bijaya Ketan Sarangi, Manoj Kumar Yadav and Dinesh Yadav*	Assessment of in vitro Multiple Shoot Bud Induction from Leaf Explants among Eleven Indian	Biotechnology [eISSN:1682-2978; pISSN:1682-296x]	10(6)	534-539	2011 (http://doi.org/10.3923/biotech.2011.534.539)	Indexed Journal

		Cultivars of Pigeon Pea (<i>Cajanus cajan</i> L. Millsp.)					
33	Dinesh Yadav* , Hariom Kushwaha, Shubhra Gupta, Sunayana Kashyap and Vinay Kumar Singh	In silico characterization of DOF (DNA binding with One finger) transcription factor genes in different crops	Journal of Computational Intelligence in Bioinformatics [ISSN:0973-385x]	6(1)	63-70	2011 https://www.researchgate.net/publication/241177676_In_silico_Characterization_of_DOF_Transcription_factor_Genes_in_Crops	Indexed Journal
32	Dinesh Yadav* and Nagendra K Singh	Wheat Triticin: A potential target for nutritional quality improvement	Asian Journal of Biotechnology [pISSN:1996-0700]	3(1)	1-21	2011 (Online first: 08/07/2010) http://doi.org/10.3923/ajbkr.2011.1.21	Indexed Journal
31	Preety Panwar, R.K Saini, Netrapal Sharma, Dinesh Yadav and Anil Kumar	Efficiency of RAPD, SSR and Cytochrome P450 gene-based markers in accessing genetic variability amongst finger millet (<i>Eleusine coracana</i>) accessions	Molecular Biology Reports (IF=2.8) [pISSN:0301-4851; eISSN:1573-4978]	37(8)	4075 - 4082	2010 (Online first: 24/03/2010) https://doi.org/10.1007/s11033-010-0067-5	UGC care List/Scopus / SCI/SCIE
30	Amit K Dubey, Sangeeta Yadav, Manish Kumar, Vinay K Singh, B K Sarangi and Dinesh Yadav*	In silico characterization of pectate lyase protein sequences from different source organisms	Enzyme research (Hindawi) Vol. 2010, Article ID 950230	Vol.2 010	-	2010 (Online first: 19/09/ 2010) http://doi.org/10.40612010/950230	PubMed/ Indexed Journal
29	V. K Morya and D. Yadav*	Production and partial characterization of neutral protease by an indigenously isolated strain of <i>Aspergillus tubingensis</i> (NIICC 08155)	The Internet Journal of Microbiology (Internet Scientific Publications) [ISSN:1937-8289]	8(1)	-	2010 https://ispub.com/IJMB/8/1/9957	Others
28	Vinita Yadav, Dinesh Yadav and Kapil Deo Singh Yadav	<i>In silico</i> analysis of α -L rhamnosidase protein sequences	Online Journal of Bioinformatics [ISSN:1443-2250]	11(2)	293-301	2010 http://onljetres.com/rhamno	Indexed Journal

		from different source organisms				sidaseabs2010.htm)	
27	Neha Malviya and Dinesh Yadav*	RAPD analysis among pigeonpea [<i>Cajanus cajan</i> (L.) Mill sp.] cultivars for their genetic diversity	Genetic Engineering and Biotechnology Journal [eISSN:21503516]	Vol.2 010 GEB J	-	2010 (Online first: Jan. 2010) (https://www.researchgate.net/publication/285355584_RAPD_analysis_among_pigeonpea_Cajanus_cajan_L_cultivars_for_their_genetic_diversity)	Others
26	Ramwant Gupta, Krishan Verma, D.C. Joshi, Dinesh Yadav and Munna Singh	Assessment of genetic relatedness among three varieties of finger millet with variable seed coat color using RAPD and ISSR markers	Genetic Engineering and Biotechnology Journal [eISSN:21503516]	Vol.2 010 GEB JB-2		2010 (Online first: Jan. 2010) (https://www.researchgate.net/publication/287572186_Assessment_of_Genetic_Relatedness_among_Three_Varieties_of_Finger_Millet_with_Variable_Seed_Coat_Color_Using_RAPD_and_ISSR_Markers)	Others
25	V. K Morya and D. Yadav*	Partial characterization of an acid protease from an indigenously isolated <i>Aspergillus awamori</i> (NIICC 08154) from soil of teak forest	Advanced Biotech [ISSN:0973-0109]	9(8)	29-32	2010 (Online first: Feb. 2010) (https://www.researchgate.net/publication/215759818_Partial_characterization_of_an_acid_protease_from_an_indigenously_isolated_Aspergillus_awamori_NIICC_08154_from)	Others

						soil of teak forest)	
24	Sangeeta Yadav, Pramod Kumar Yadav, Dinesh Yadav and Kapil Dev Singh Yadav	Purification and characterization of pectin lyase produced by <i>Aspergillus terricola</i> suitable for retting of natural fibers	Applied Biochemistry and Biotechnology (Springer) (IF=3.0) [ISSNp:0273-2289 ISSNe:1559-0291]	159 (1)	270-283	2009 (Online first: 17/12/2008) (http://doi.org/10.1007/s12010-008-8471-1)	UGC care List/Scopus / SCI/SCIE
23	Pramod Kumar Yadav, Vinay Kumar Singh, Sangeeta Yadav, Kapil Deo Singh Yadav and Dinesh Yadav*	<i>In silico</i> analysis of pectin lyases and pectinases based on protein sequences	Biochemistry (Moscow) (Springer) (IF=2.8) [pISSN:0006-2979; eISSN:1608-3040]	74(9)	1049 - 1055	2009 (Online first: 19/09/2009) (http://doi.org/10.1134/s0006297909090144)	UGC care List/Scopus / SCI/SCIE
22	Sangeeta Yadav, Pramod Kumar Yadav, Dinesh Yadav and Kapil Dev Singh Yadav	Purification and characterization of pectin lyase secreted by <i>Penicillium citrinum</i>	Biochemistry (Moscow) (Springer) (IF=2.8) [pISSN:0006-2979; eISSN:1608-3040]	74(7)	800-806	2009 (Online first: 19/07/2009) (http://doi.org/10.1134/s0006297909070141)	UGC care List/Scopus / SCI/SCIE
21	Sangeeta Yadav, Pramod Kumar Yadav, Dinesh Yadav and KapilDev Singh Yadav	Pectin lyase: A review	Process Biochemistry (Elsevier) (IF=4.4) [ISSN:1359-5113]	44	1-10	2009 (Online first: 30/09/2008) (http://doi.org/10.1016/j.proc bio.2008.09.012)	UGC Care List/ WoS / Scopus/ SCI
20	V K Morya and Yadav D*	Extracellular alkaline protease of <i>A. awamori</i> MTCC 8839; Production, partial purification and characterization	Journal of Basic and Applied Mycology [pISSN:0972-7167; eISSN:2455-3875]	8(I & II)	42-48	2009	Others
19	V. K Morya, Kamal and D. Yadav*	Production and partial characterization of amylase secreted by an indigenously isolated <i>Aspergillus tamari</i> (NIICC-08162)	Journal of Basic and Applied Mycology [pISSN:0972-7167; eISSN:2455-3875]	8(I & II)	54-60	2009	Others

		from soil of teak forest					
18	V. K Morya and <u>D. Yadav*</u>	Isolation and screening of different isolates of <i>Aspergillus</i> for amylase production	The Internet Journal of Microbiology [ISSN:1937-8289]	7(1)	-	2009	Others
17	V.K Morya, Kamal and <u>D. Yadav*</u>	Diversity of indigenously isolated <i>Aspergilli</i> from soil of monoculture teak forest	Research Journal of Soil Biology [pISSN:1819-3498; eISSN:2151-6162]	1(3)	77-83	2009 (http://doi.org/10.3923/rjsb.2009.77.83)	Indexed Journal
16	V K Morya, S Nayak, S K Mishra, Kamal and <u>D. Yadav*</u>	Morphological characteristics and mycelial protein profile of native <i>Aspergillus</i> strains	Journal of Mycology and Plant Pathology [pISSN:0971-9393; eISSN:0975-4180]	39(2)	216-219	2009 (Online first: 28/08/2009) (https://www.researchgate.net/publication/215759822_Morphological_characteristics_and_total_mycelial_protein_profile_of_indigenously_isolated_Aspgillus_strains_2009)	Indexed Journ
15	Sangeeta Yadav, Pramod K. Yadav, <u>Dinesh Yadav</u> and KDS Yadav	Purification and characterization of an alkaline extracellular pectin lyase produced by <i>Aspergillus flavus</i> MTCC 7589	Process Biochemistry (Elsevier) (IF=4.4) [ISSN:1359-5113]	43	547-552	2008 (Online first: 25/01/2008) (http://doi.org/10.1016/j.procbio.2008.01.015)	UGC Care List/ WoS / Scopus/ SCI
14	Sangeeta Yadav, Pramod K Yadav, <u>Dinesh Yadav</u> and KDS Yadav	Purification and characterization of an acidic pectin lyase produced by <i>Aspergillus ficuum</i> strain MTCC 7591 suitable for clarification of fruit juices.	Annals of Microbiology (IF=3.0) [pISSN:1590-4261; eISSN:1869-2044]	58(1)	61-65	2008 (Online first: March, 2008) (https://doi.org/10.1007/BF03179446)	Scopus/WoS

13	Neha Malviya, Seema Nayak and Dinesh Yadav*	Characterization of Total Salt Soluble Seed Storage Proteins of Grain Legumes Using SDS-PAGE	Plant Genetic Resources Newsletter [ISSN:1020-3362]	156	49-55	2008 (https://www.researchgate.net/publication/312053833_Neha_Malviya_Seema_Nayak_and_Dinesh_Yadav_Characterization_of_total_salt_soluble_seed_storage_proteins_of_grain_legumes_using_SDS-PAGE_Plant_Genetic_Resources_Newsletter_2008_No_156_49_-_55)	Others
12	Hariom Kushwaha, Nidhi Gupta, Vinay Kumar Singh, Anil Kumar and Dinesh Yadav*	<i>In silico</i> analysis of PCR amplified DOF (DNA binding with One finger) transcription factor domains and cloned genes from cereals and millets	On line Journal of Bioinformatics [ISSN:1443-2250]	9(2)	130-145	2008 (http://onjivtrees.com/fingerprints2008.htm)	Indexed Journal
11	Dinesh Yadav* , Vinay Kumar Singh, Sarita, Naveen C Bisht and Nagendra K Singh	PCR based cloning of seed storage protein promoters of wheat, oat and rice and their <i>in silico</i> analysis for <i>Cis</i> - regulatory elements	Bioinformatics Trends	Vol.3 Issue 2&3	67-74	2008 (https://www.researchgate.net/publication/241009968_PCR_Based_cloning_of_seed_storage_protein_promoters_of_wheat_oat_and_rice_and_their_insilico_analysis_of_Cis-regulatory_elements)	Others
10	Manoj K Yadav, Manoj K Tripathi, Dinesh Yadav , Sundeep Kumar, Nagendra K Singh, Anil Kumar and Govind Krishna Garg	<i>In vitro</i> selection and regeneration methods for wheat improvement: An overview	Wheat Information Service [ISSN:0510-3517]	106	13-27	2008 (https://shigen.nig.ac.jp/ewis/article/html/31/article.html#:~:text=Regeneration%20of%20plants%20from)	Others

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09	Dinesh Yadav* and Nagendra K Singh	PCR amplification of hypervariable region of wheat triticin gene from different wheat progenitors	Icfai Journal of Biotechnology [ISSN:0973-8495]	2(1)	27-33	2008	Others
08	P K Yadav, V Kashyap and D Yadav*	Induction and proliferation of callus derived from different explants of <i>Flacourtia jangomas</i> (lour.) Raeusch, a woody medicinal plant.	Icfai Journal of Life Sciences [ISSN:0973-8487]	2(2)	21-24	2008	Others
07	Manoj K Yadav, M K Tripathi, D Yadav and G K Garg	Molecular markers: potential tools for crop improvement	Icfai Journal of Biotechnology [ISSN:0973-8495]	2(2)	34-50	2008	Others
06	Yadav D* , Singh V K and Singh N K	<i>In silico</i> Cis-regulatory Elements Analysis of Seed Storage Protein Promoters Cloned from Different Cultivars of Wheat, Rice and Oat	Online Journal of Bioinformatics [ISSN:1443-2250]	8(1)	75-83	2007 http://onjvetres.com/seedstorageabs2007.htm	Indexed Journal
05	Pramod Kumar Yadav, Vandana Kashyap and Dinesh Yadav*	Genomic DNA extraction methods from leaves of <i>Flacourtia jangomas</i> (Lour.) Raeusch, a woody medicinal plant	Icfai Journal of Biotechnology [ISSN:0973-8495]	1(3)	78-83	2007	Others
04	V K Morya, S K Mishra and D Yadav*	Genomic DNA Isolation from <i>Aspergillus</i> spp. using Extraction Buffer with Different SDS concentrations	Journal of Basic and Applied Mycology [ISSNp:0972-7167; ISSNNo:2455-3875]	6(I & II)	30-33	2007 https://www.researchgate.net/publication/215759831_isolation_of_Genomic_DNA_from_Aspergillus_species_using_buffer_with_different_concentration	Others

03	Dinesh Yadav* and N K Singh	Optimization of storage temperature for CaCl ₂ competent cells for routine transformation of <i>Escherichia coli</i> with plasmid DNA	Asian Jr. of Microbiol. Biotech. Env. Sc. [ISSN:0972-3005]	6(4)	607-608	2004 (https://www.researchgate.net/publication/288202928_Optimization_of_storage_temperature_for_CaCl₂_competent_cells_for_routine_transformation_of_Escherichia_coli_with_plasmid_DNA)	Others
02	Shailaja K, Rathore M, Puri N, Yadav D and Singh N K	PCR amplification of the Hypervariable region of wheat triticin genes	Journal of Cereal Science (Elsevier) (IF=3.8) [ISSN:0733-5210]	35	129-134	2002 (Online first: 29/05/2002) (https://doi.org/10.1006/jcrs.2001.0417)	Scopus/SCI/SCIE
01	Srinivas B, Yadav D and Singh N K	Cloning and characterization of full-length cDNAs of wheat triticin	Physiol. Mol. Biol. Plants (Springer) (IF=3.5) [pISSN:0971-5894; eISSN: 0974-0430]	7	23-32	2001 (https://www.researchgate.net/publication/287238411_Cloning_and_characterization_of_full-length_cDNAs_of_wheat_triticin)	UGC care List/Scopus / SCIE /PubMed Central

Note: * as corresponding author

Details of chapters in book

Sl. No.	Author(s)	Title of Chapter	Title of Book/ Editor(s)	Page Number	Year	ISBN/ (Publisher)
42	Rupali Gupta, Gautam Anand, Satyendra Pratap Singh, Dinesh Yadav and Rakesh Pandey	<i>Harnessing beneficial rhizospheric microorganisms for biotic stress management in medicinal and aromatic plants</i>	Detection, diagnosis and management of soil-borne phytopathogens Editors: Udai B. Singh, Ravindra Kumar and Harikesh Bahadur Singh	283-308	2023 (29/03/2023)	ISBN (hardcover): 978-981-19-8306-1 ISBN (eBook): 978-981-19-8307-8

		(Chapter-11)				(http://doi.org/10.1007/978-981-19-8307-8_11) Springer nature, Singapore Pte Ltd
41	Varsha Rani, Manoj Kumar Yadav, Rajesh Singh and <u>Dinesh Yadav*</u>	<i>Genetic diversity assessment in cereal crops</i>	Sustainable utilization and conservation of plant genetic diversity Editors: Jameel M Al-Khayri, Shri Mohan Jain and Suprasanna Penna		2023 (07/01/2024)	ISBN (Hardcover): 978-981-99-5244-1 ISBN (eBook): 978-981-99-5245-8 Springer, Singapore
40	Shruti Dwivedi, Supriya Gupta, Aiman Tanveer, Gautam Anand, Sangeeta Yadav and <u>Dinesh Yadav*</u>	<i>Mining of novel microbial enzymes using metagenomics approach for efficient bioremediation: An overview</i> (Chapter-10)	Genomics Approach to Bioremediations: Principle, Tools and Emerging Technologies Editors: Vineet Kumar, M Bilal, LFR Ferreira and HMN Iqbal	183-199	2023	ISBN (ebook): 978-1-119-85212-4 ISBN (hardcover): 978-1-119-85210-0 Wiley Publisher
39	Chitra Nehra, <u>Dinesh Yadav</u> and R. K. Gaur	<i>Epigenetic response during plant-pathogen interactions: an overview</i> (Chapter-8)	Genomics of plant-Pathogen interactions and the stress response (1 st Edition) Editors: Ashutosh Mani and Sandeep Kushwaha	157-170	2023 (25/09/2023)	ISBN (ebook): 9781003153481 DOI: https://doi.org/10.1201/9781003153481 (Francis and Taylor, CRC Press)
38	Kanchan Yadav, Sangeeta Yadav, Gautam Anand, Pramod K Yadav and <u>Dinesh Yadav*</u>	<i>Hydrolysis of Complex Pectin Structures: Biocatalysis and Bioproducts</i> (Chapter-9)	Polysaccharide Degrading Biocatalysts (1 st Edition) Editor(s): Patrícia Poletto, and Rosana Goldbeck	205-225	2023 (15/02/2023)	ISBN (paperback): 9780323999861 ISBN (eBOOK): 9780323983150 (Academic Press, Elsevier)
37	Aiman Tanveer and <u>Dinesh Yadav*</u>	<i>Omics for biomarkers investigation in</i>	Neurodegenerative diseases: multifactorial degenerative processes,	143-160	2022	ISBN (print): 978-981-5040-92-0

		<i>neurodegenerative disease</i>	biomarkers and therapeutic approaches Editor: Tabish Qidwai			ISBN (online): 978-981-5040-91-3 http://doi.org/10.2174/97898150409131220101
36	Shruti Dwivedi, Aiman Tanveer, Sangeeta Yadav, Gautam Anand, Dinesh Yadav*	<i>Agro-wastes for cost effective production of industrially important microbial enzymes: an overview</i>	Microbial Biotechnology: Role in Ecological Sustainability and Research. (Editors: Pankaj Chowdhry, Sujata Mani and Preeti chaturvedi)	435-460	2022 (12/09/2022)	ISBN (print): 9781119834458 ISBN (online): 978119834489 DOI:10.1002/9781119834489 (Wiley Publication) https://doi.org/10.1002/9781119834489.ch23
35	S Gupta, S Dwivedi, K Yadav, A Tanveer, S Yadav and D Yadav*	<i>Enzymatic Intervention as An Ecofriendly Approach In Industries: An Update</i>	Microbial Biotechnology: Role in Ecological Sustainability and Research (Editors: Pankaj Chowdhry, Sujata Mani and Preeti chaturvedi)	365-387	2022 (12/09/2022)	ISBN (print): 9781119834458 ISBN (online): 978119834489 DOI:10.1002/9781119834489 (Wiley Publication) https://doi.org/10.1002/9781119834489.ch19
34	Swati Sharma, Ashwani Kumar, Dinesh Yadav and Manoj Kumar Yadav	<i>Bioinformatics intervention in functional genomics: current status and future perspective: an overview (Chapter-3)</i>	Bioinformatics in Agriculture: Next Generation Sequencing Era (Editor: Pradeep Sharma, Dinesh Yadav and Rajarshi Kumar Gaur)	37-46	2022 (26/04/2022)	ISBN (Paperback): 9780323897785 ISBN (ebook): 9780323885997 (Academic Press, Elsevier)

33	Sudhanshu Srivastava, Kapil Gupta, Kanchan Yadav, Manoj K Yadav and <u>Dinesh Yadav*</u>	<i>Genome-wide Predictions, Structural and Functional Annotations of Plant Transcription Factor Gene Families: A Bioinformatics Approach (chapter-6)</i>	Bioinformatics in Agriculture: Next Generation Sequencing Era (Editor: Pradeep Sharma, Dinesh Yadav and Rajarshi Kumar Gaur)	79-100	2022 (26/04/2022)	ISBN (Paperback): 9780323897785 ISBN (ebook):9780323885997 (Academic Press, Elsevier)
32	Aiman Tanveer, Shruti Dwivedi, Supriya Gupta, Rajarshi Kumar Gaur and <u>Dinesh Yadav*</u>	<i>Deciphering soil microbiome using metagenomics approach for sustainable agriculture: An Overview (Chapter-27)</i>	Bioinformatics in Agriculture: Next Generation Sequencing Era (Editor: Pradeep Sharma, Dinesh Yadav and Rajarshi Kumar Gaur)	439-454	2022 (26/04/2022)	ISBN (Paperback): 9780323897785 ISBN (ebook):9780323885997 (Academic Press, Elsevier)
31	Vikas Dwivedi, Lalita Pal and <u>Dinesh Yadav</u>	<i>Bioinformatics interventions in identification and development of molecular markers: an overview (Chapter-32)</i>	Bioinformatics in Agriculture: Next Generation Sequencing Era (Editor: Pradeep Sharma, Dinesh Yadav and Rajarshi Kumar Gaur)	439-450	2022 (26/04/2022)	ISBN (Paperback): 9780323897785 ISBN (ebook):9780323885997 (Academic Press, Elsevier)
30	Aiman Tanveer, Kanchan Yadav, Shruti Dwivedi, Supriya Gupta, Pramod Kumar Yadav and <u>Dinesh Yadav*</u>	<i>Overview of Healthcare Biotechnology (Chapter-1)</i>	Biotechnology in Healthcare-Technologies and Innovation (Volume-1) (Editor: Debmalya Berh)	01-20	2022	ISBN: 978-0-323-89837-9 (Academic Press, Elsevier)
29	Shruti Dwivedi, Gautam Anand and <u>Dinesh Yadav*</u>	<i>Intellectual property rights in healthcare: an overview (Chapter-15)</i>	Biotechnology in Healthcare-Technologies and Innovation (Volume-1) (Editor: Debmalya Berh)	259-265	2022	ISBN: 978-0-323-89837-9; (Academic Press, Elsevier)
28	Sarita Tiwari, <u>Dinesh Yadav</u> and Bijaya Ketan Sarangi	<i>Bioaugmentation of metal phytoremediation</i>	Metagenomics to Bioremediation (Applications, cutting	595-610	2022 (30/08/2022)	ISBN(Paperback):978-0-323-96113-4

		<i>through plant-microbe interactions (Chapter-24)</i>	edge tools, and future outlook)-1 st Edition (Editors: Vineet Kumar, Muhammad Bilal, Sushil Kumar Shahi and Vinod K Garg)			ISBN (eBook):97803 23994804 Academic Press, Elsevier)
27	Aiman Tanveer, Sangeeta Yadav, Gautam Anand, Dinesh Yadav*	<i>Bioinformatics Intervention In Microbial Therapeutic Enzymes: An Update (Chapter-13)</i>	Recent Advances in Computer Aided Drug Design (Editor: Ashutosh Mani, Akhil Varshnay)		2021 (26/07/2021)	ISBN: 978-1-53619-739-6 (Nova Science Publishers, Inc)
26	Dinesh Yadav* , Aiman Tanveer and Sangeeta Yadav	<i>Metagenomics for novel enzymes: A current perspective</i>	Environmental contaminants: Ecological implications and management (Editor: Ram Naresh Bharagava)	137-162	2019	ISBNprint:978-981-13-7903-1; ISBN online: 978-981-13-7904-8 (Springer Nature)
25	Gautam Anand, Sangeeta Yadav and Dinesh Yadav*	<i>Multiple factors influencing the strategy of lignin mycodegradation</i>	Mycodegradation of Lignocelluloses (Editor: Ram Narayan)	211-225	2019	ISBN-978-3-030-23834-6/Springer Nature, Switzerland AG
24	Neha Malviya, Sangeeta Yadav and Dinesh Yadav*	<i>Bioinformatics intervention in plant biotechnology: an overview (Chapter-8)/</i>	Plant Biotechnology Progress in Genomics Era (Editors: SM Paul Khurana and R K Gaur)	175-188	2019	ISBN: 978-981-13-8498-1/ Springer Nature
23	Dinesh Yadav* , Aiman Tanveer and Sangeeta Yadav	<i>Single cell metagenomics</i>	Single-Cell Omics: Technological Advances (Editors: Debmalya Barh and Vasco Azevedo)	199-213	2019 (01/08/2019)	ISBN-10: 0128149191; ISBN-13:978-0128149195/Elsevier /Academic Press
22	D. Yadav* , A.K Dubey, S. Yadav, P.K Yadav, G. Anand and V. K Morya	<i>Directed evolution of microbial enzymes. An update</i>	Microbial research: An overview (Editors: Vinita Katiyar and Anubha Joshi)	177-205	2018	978-93-85909-44-3/ IK International Publishing House Pvt Ltd, New Delhi
21	G. Anand, S.Yadav, A. Tanveer and D. Yadav*	<i>Purification and characterization of microbial polygalacturonases: An update</i>	Advances in Microbial Biotechnology: Current Trends and Future Prospects/ Editors: Pradeep Kumar, Jayanta Kumar Patra and Pranjal Chandra)	399-420	2018	E-book ISBN:9781351 248914; Hard ISMB: 978177188667 3/Apple-Academic Press
20	Dinesh Yadav* , Aiman Tanveer,	<i>Overviews and principles</i>	Omic Technologies and Bioengineering ^{1st}	03-23	2018	ISBN:978012 8047491; ISBN

	Neha Malviya and Sangeeta Yadav	<i>bioengineering: the drivers of omic technologies</i>	Edition Vol.1: Towards Improving Quality of Life(Editors: Debmalya Barh, Vasco Azevedo)			hardcover :9780128046593/ Elsevier /Academic Press
19	Aiman Tanveer, Neha Malviya and <u>Dinesh Yadav*</u>	<i>Omics approaches in In-vitro fertilization</i>	Omic Technologies and Bioengineering ^{1st} Edition Vol.1: Towards Improving Quality of Life(Editors: Debmalya Barh, Vasco Azevedo)	559-575	2018	ISBNe:9780128047491; ISBN hardcover :9780128046593/ Elsevier /Academic Press
18	S Yadav, P K Yadav, A K Dubey, G Anand, A Tanveer, R. Dwivedi and <u>Dinesh Yadav*</u>	<i>Molecular Biology, Genomics and Bioinformatics Insights into fungal pectin lyase: An overview</i>	Applications of Biotechnology for sustainable development (Editors: Mukhopadhyay K, Sachan A & Kumar M)	51-64	2017	ISBNp:978-981-10-5537-9; ISBNo:978-981-10-5538-6/Springer nature Singapur Pvt Ltd/International
17	N. Malviya, A. Tanveer, S. Yadav and <u>D. Yadav*</u>	<i>Emerging tools and approaches to biotechnology in the omics era</i>	Applied Molecular Biotechnology: The Next Generation of Genetic Engineering/(Editors: Khan, Khan and Barh)	01-29	2016	CRC Press/Taylor and Francis Group
16	Amit Kumar Dubey, Sangeeta Yadav, Gautam Anand and <u>Dinesh Yadav*</u>	<i>PCR amplification, sequencing and in-silico characterization of pectin lyase gene from Aspergillus flavus NIICC8412</i>	Microbial Diversity and Biotechnology in Food Security (Editors: R. N Kharwar, R.S Upadhyay, N.K Dubey and Richa Raghuvanshi)	413-421	2014	ISBNp: 978-81-322-1800-5; ISBNonline:978-81-322-1801-2 (Springer Publication, India)
15	VK Morya, N Malviya, A Tanveer, S Yadav, G Anand, M Kumar and <u>D Yadav*</u>	<i>Tools for assessment of Aspergillus diversity: An overview</i>	Biodiversity in India: Assessment, Scope and Conservation (Editors: Sampat Nehra, Raj Kumar Gothwal, Purnendu Ghosh)	161-188	2014	ISBN:978-3-659-50550-8 Lambert Academic Publishing , Germany
14	G. Anand, A K Dubey, S Gupta, M Kumar, S Yadav and <u>D Yadav*</u>	<i>Relevance of cybersecurity in emerging areas of bioinformatics</i>	Cyber Security-Challenges and Opportunities in 21 st Century (Editors: Prof. Rajendra Prasad, Alok Tripathi, Dr. Upendra Tripathi and Dr. Manish Mishra)		2014	ISBN:978-81-7445-566-6 Mohit Publications, New Delhi

13	Manoj K Yadav, Alok K Yadav, M K Tripathi, S Kumar, Ramesh Singh Yadav, Kamal Khilari and Dinesh Yadav*	<i>Concepts and Applications of Biotechnology</i>	Biotechnology: Recent Advances and Diverse Applications (Editors: M K Yadav, M K Tripathi and Dinesh Yadav)	01-29	2014	ISBN:978-81-7622-315-7 Biotech Books, New Delhi
12	Dinesh Yadav* and Sarad Kumar Mishra	<i>Plant proteinase inhibitors: An overview</i>	Biotechnology: Recent Advances and Diverse Applications (Editors: M K Yadav, M K Tripathi and Dinesh Yadav)	75-111	2014	ISBN:978-81-7622-315-7 Biotech Books, New Delhi
11	Gautam Anand, Sangeeta Yadav, Amit K Dubey and Dinesh Yadav*	<i>Molecular biology of microbial polygalacturonases: A review.</i>	Biotechnology Volume 3 Microbial Biotechnology (Guest Editor: Rupinder Tewari; Executive Editor: J.N Govil)	01-29	2014	ISBN:1-62699-018-2 Studium Press, USA
10	Bijaya Ketan Sarangi, Sarita Tiwari, Saikat Dutta, Anusha Pulavarty, Dinesh Yadav and Ram Awatar Pandey	<i>Green Technology concept for commercialization: Natural indigo an alternative to its synthetic counterpart</i>	Transdisciplinary Environmental Issues (Editor: Anil Kumar Dwivedi)	131-182	2013	ISBN:978-3-659-35410-6 Lambert Academic Publishing, Germany
09	D. Yadav* , G. Anand, S. Yadav, A.K. Dubey, N.C. Bisht and B.K Sarangi	<i>Intellectual Property Rights in Plant Biotechnology: Relevance, Present Status and Future Prospects</i>	OMICS Applications in Crop Sciences (Editor: Debmalya Barh)	621-670	2013	ISBN:9781466585256 CRC Press, Taylor & Francis Group,
08	Anil Kumar, Nidhi Gupta, Sandeep Arora and Dinesh Yadav	<i>Molecular farming for production of biologically important molecules in plants</i>	Applications of Plant Biotechnology: In vitro Propagation, Plant Transformation & Secondary metabolic production (Editors: Ashwani Kumar, Sudhir Sopory)	272-285	2010	EAN: 9789380026939 I.K. International Publishing House Pvt. Ltd., New Delhi.
07	Hariom Kushwaha and Dinesh Yadav*	<i>Biochemical, molecular and in silico characterization of DNA-binding with one finger (DOF) transcription factor and investigating its diverse functions in plants</i>	Current topics on Bioprocesses in Food Industry Vol.III Editors: L. Venkateshwar Rao, Ashok Pandey, Christian Larroche, Carlos Ricardo Soccol & Claude-Gilles Dussap	150-168	2010	ISBN 81-87680-21-0 Asiatech Publishers, Inc, New Delhi.

06	Dinesh Yadav* , Sangeeta Yadav and Manoj Kumar Yadav	<i>Biotechnological intervention for attaining global food security</i>	Biodiversity to Biotechnology: Intellectual Property Rights Editors: Aravind Kumar & Govind Das	109-116	2010	ISBN 978-81-8487-077-0 Narosa Publications, New Delhi
05	Dinesh Yadav* , Gautam Anand, Shubhra Gupta, A K Dubey, Sangeeta Yadav and B K Sarangi	<i>Intellectual Property Rights (IPR) in context with Biotechnology, Biodiversity and Biopiracy: An Overview</i>	Biodiversity, Biotechnology and Traditional Knowledge Understanding Intellectual Property Rights Editors: Arvind Kumar and Govind Das)	196-204	2010	ISBN 978-81-8487-097-8 Narosa Publishing House , New Delhi
04	Anil Kumar, Dinesh Yadav and Sandeep Arora	<i>Crop Specific biotechnological research for food & nutritional security</i>	Stable Food Production & Sustainable Agriculture-A challenge Ahead in 21 st Century Editors: R.S Sengar and A. K Sharma	275-300	2010	ISBN:978-93-80012-14-8 Studium Press (India) Pvt. Ltd.
03	Dinesh Yadav* , Nidhi Gupta, Anil Kumar, Pushpa Lohani, Munna Singh and U.S. Singh	<i>Role of plant transcription factor DOF (DNA binding with one finger) in enhancing nitrogen use efficiency: molecular means for promoting organic farming</i>	Ecosystem Diversity and Carbon Sequestration: Climate Change Challenges and a way out for Ushering in a Sustainable Future Editors: Dr. P.L Gautam, Vir Singh and Uma Melkania	187-199	2008	ISBN 978-81-7035-594-6 Daya Publishing House, New Delhi
02	Anil Kumar, Dinesh Yadav , Sneh Narwal and Dinesh Pandey	<i>Transgenic Plants: Experiences and Challenges</i>	Cartagena Protocol on Biosafety Decisions to Diagnostics Editors: GurinderJit Randhawa, ShashiBhalla, V. Celia Chalam & S. K Sharma	23-35	2007	National Bureau of Plant Genetic Resources, New Delhi
01	Anil Kumar, Dinesh Pandey, Sonu Ambwani and Dinesh Yadav	<i>Molecular strategies for detection of insertion of gene in transgenic plants</i>	Cartagena Protocol on Biosafety Decisions to Diagnostics Editors: GurinderJit Randhawa, ShashiBhalla, V. Celia Chalam & S. K Sharma	82-102	2007	National Bureau of Plant Genetic Resources, New Delhi

Note: * as corresponding author

Details of Books/Manuals/Souvenir

Sl. No.	Author(s)/Editor(s)	Title of Book/Souvenir/Manual	Year	Publisher/ISBN/ISSN No.
Books				
1	Pradeep Sharma, Dinesh Yadav and R. K. Gaur	Bioinformatics in agriculture: next generation sequencing era	2022 (26/04/2022)	Elsevier Publisher ISBN (paperback): 9780323897785 ISBN (eBook): 9780323885997
2	M.K Yadav, Dinesh Yadav and M.K Tripathi	Plant Tissue Culture: Concepts and Techniques	2016 (01/01/2016)	Narendra Publishing House, New Delhi ISBN-10:9384337323 ISBN-13: 978-9384337322
3	M.K Yadav, M.K Tripathi and Dinesh Yadav	Biotechnology-Recent Advances and Diverse Applications	2014 (01/01/2014)	Biotech Book, New Delhi ISBN-10:8176223158 ISBN-13: 978-8176223157
Manuals/Souvenirs				
1	Anil Kumar &Vir Singh (Editors) Dinesh Yadav , Sandeep Arora, Dinesh Pandey and S.P Singh (Associate Editors)	Biosafety issues related to practicing Agricultural Biotechnology Nov.3-4, 2008 (Souvenir) at G.B Pant University of Agriculture and Technology, Pantnagar	2008	Local Publisher
2	Anil Kumar, Dinesh Yadav , J P Jaiswal and ManoranjanHota	"LMOS!! GMOS!! Are They Safe? Frequently asked questions (FAQS) On Biotechnology and Biosafety (Hindi Edition).	1 st print , 2007 2 nd print, 2008	Local Publisher
3	Anil Kumar (Co-ordinator), Dinesh Yadav , Sonu Ambwani, Dinesh Pandey (Academic Staff), Kaushal Gautam, Mahinder Singh, Ruchi Bansal (Research Staff)	Critical Control Points in Genetically Modified Seed Production	1 st print: 2007	Local Publisher
4	Anil Kumar (Co-ordinator), Sundeep Arora, Dinesh Yadav , Sonu Ambwani and Dinesh Pandey (Academic Staff/Resource Person)	Critical Control Points in Genetically Modified Seed Production	2 nd reprint: 2008	Local Publisher
5	Anil Kumar (Course Co-ordinator) Dinesh Yadav (Course Organizer)	Biosafety Measures for Monitoring of Deliberate and Unintended Releaseof Transgenic crops (Training Manual) for Biosafety training sponsored by GEF and MOEF at G.B. Pant University of Agriculture and Technology, PANTNAGAR (23-29 th Nov. 2006)	2006	Local Publisher

Details of conference proceedings

Sl. No.	Author(s)	Title of paper	Year / Page number	Conference details
	Aiman Tanveer, Sangeeta Yadav and <u>Dinesh Yadav</u>	<i>Publications in open access journals: current perspectives</i>	2016 (66-69)	<i>In: National workshop on “Scientific Paper Writing and Effective Communication” organized by Department of Biotechnology, D.D.U Gorakhpur University, Gorakhpur & Biozone research Foundation, Gorakhpur 17-18th Oct. 2016 (Eds. Dinesh Yadav, Sarad K Mishra and A. K. Srivastava)</i>
	<u>Dinesh Yadav</u> , Neha Malviya, Sangeeta Yadav, Jeya Nasim and Aiman Tanveer	<i>Publications based on in-silico studies: relevance, present status and future prospects</i>	2016 (117-126)	<i>In: National workshop on “Scientific Paper Writing and Effective Communication” organized by Department of Biotechnology, D.D.U Gorakhpur University, Gorakhpur & Biozone research Foundation, Gorakhpur 17-18th Oct. 2016 (Eds. Dinesh Yadav, Sarad K Mishra and A. K. Srivastava)</i>
	<u>Dinesh Yadav</u> , Shubhra Gupta and Sangeeta Yadav	<i>Potential of Biotech crops in achieving nutrition and food security: An overview</i>	2014 (109-124)	<i>In: National conference on Environment, Agriculture and Population Growth organized by Department of Geography, D.D.U Gorakhpur University, Gorakhpur 26-28th Dec. 2011 [ISSN: 93-82-847-11-3]</i>
	<u>Dinesh Yadav</u> , Shubhra Gupta, Hariom Kushwaha, Vinay Kumar Singh and Bijaya Ketan Sarangi	<i>Deciphering sorghum genome for characterizing DOF (DNA binding with One finger) transcription factor gene family</i>	2011 (156-164)	<i>In: “National Symposium on Technological Interventions for Sustainable Agriculture”, organized by G.B. Pant University of Agriculture & Technology, Pantnagar, Hill Campus, Ranichauri, 3-5 May, 2011</i>
	Hariom Kushwaha, Shubhra Gupta, Deepshikha Mishra, Vinay Kumar Singh and <u>Dinesh Yadav</u>	<i>In silico prediction of DNA binding with One finger (DOF) transcription factor gene in Sorghum bicolor</i>	2010 (73-79)	<i>In: “National Conference Bioprospecting: Access for Sustainable Development” organized by MNNIT, Allahabad, Feb.19-20, 2010</i>
	<u>Dinesh Yadav</u>	<i>Potential molecular tools for assisting plant breeding in enhancing crop productivity</i>	2009 (23-27)	<i>In: ICAR Sponsored Winter School on “Integration of Molecular and Classical Techniques of Plant Breeding for Enhancing Crop</i>

				Productivity ” organized by Department of Genetics and Plant Breeding, G. B. Pant University of Agriculture and Technology, Pantnagar, 03-23 February, 2009
	<u>Dinesh Yadav</u>	<i>Molecular genetic approaches for nutritional quality improvement</i>	2009 (28-30)	In: ICAR Sponsored Winter School on “Integration of Molecular and Classical Techniques of Plant Breeding for Enhancing Crop Productivity” organized by Department of Genetics and Plant Breeding, G. B. Pant University of Agriculture and Technology, Pantnagar, 03-23 February, 2009
	Pramod Kumar Yadav, <u>Dinesh Yadav</u> , Kapil Dev Singh Yadav, Sangeeta Yadav	<i>Pectin lyase: a potential enzyme for fruit juice industries</i>	2009 (155-158)	In: National Conference on Engineering for Food and Bio-processing organized by College of Technology, G.B. Pant University of Agriculture and Technology, Pantnagar, Uttarakhand, 27th Feb- 1st March 2009
	Anil Kumar, Dinesh Pandey and <u>Dinesh Yadav</u>	<i>Development of immuno-diagnostic kits for detection of third generation transgenic crops/seeds</i>	2008 (38-47)	“Sensitization workshop on Biosafety issues related to practicing agricultural Biotechnology” organized by Department of Molecular Biology and Genetic Engineering, CBSH, G.B Pant University of Agriculture and Technology, Pantnagar, Uttarakhand, 3-4th Nov. 2008
	<u>Dinesh Yadav</u> , Nidhi Gupta, Hariom Kushwaha and Anil Kumar	<i>Genetically modified food crops and safety concerns.</i>	2008 (133-137)	“Sensitization workshop on Biosafety issues related to practicing agricultural Biotechnology” organized by Department of Molecular Biology and Genetic Engineering, CBSH, G.B Pant University of Agriculture and Technology, Pantnagar, Uttarakhand, 3-4th Nov. 2008
	Anil Kumar and <u>Dinesh Yadav</u>	<i>Biotechnological interventions for providing support to seed quality assurance</i>	2007	In: “National training programme on seed production, marketing, certification and hybridity

				testing” organized by Uttaranchal Seeds & Tarai Development Corporation Ltd., Haldi, Pantnagar, Uttarakhand 13th -17th Sept. 2007
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GenBank Accession Numbers Assigned (235)

Sl. No.	Accession Number	Total Sequences	Definition
1	KP662922.1 ; KP662921.1 ; KP662920.1; KP662919.1; KP662918.1; KP662917.1; KP662916.1; KP662915.1; KP662914.1 ;KP662913.1; KP662912.1; KP662911.1; KP662910.1 KC582408.1; KC582403.1; KC582399.1; KC582419.1; KC582418.1; KC582417.1; KC582416.1; KC582415.1;KC582414.1;KC582413.1;KC582412.1;KC582411.1;KC582410. 1; KC582409.1; KC582407.1; KC582406.1;KC582405.1; KC582404.1; KC582402.1; KC582401.1;KC582400.1; HQ540087.1; HQ540086.1; HQ540085.1;HQ540084.1; JQ514070.1; JQ514069.1;GQ924921.1; GQ924920.1; GQ924919.1; EU760639.1; EU760637.1; EU760636.1; EU760635.1; EU760634.1; EU760633.1; EU760632.1; JN870921.1; JN870920.1; JN870919.1; JN870918.1; JN870917.1; JN870916.1; JN870915.1; JN870914.1; JN870913.1; JN638516.1; JN638515.1; JN393722.1; JN393721.1; JN393720.1; JN393719.1; JN393718.1; JN393717.1 ;JN393716.1; BK007082.1; BK007081.1; BK007080.1; BK007079.1; BK007006.1; BK007005.1; BK007004.1; BK007003.1; BK007002.1; BK007001.1; BK007000.1; BK006999.1; BK006998.1; BK006997.1;BK006996.1; BK006995.1; BK006994.1; BK006993.1; BK006992.1; BK006991.1;BK006990.1; BK006989.1; BK006988.1; BK006987.1; BK006986.1; BK006985.1;BK006984.1; BK006983.1; GQ352372.1; GQ352371.1; GQ352370.1; FJ854504.1;FJ854503.1; FJ854502.1; EU760640.1; EU760638.1; EU760631.1; EU586265.1; EU586264.1; EU586263.1; EU586262.1; FJ854501.1; EU586269.1; EU586268.1; EU586267.1; EU586266.1;	114	<i>Dof</i> genes of pigeonpea, sorghum, sugarcane, maize, finger millets, rice,
2	KJ862216.1; KJ862215.1; KJ862214.1	03	<i>Triticum aestivum</i> eukaryotic transcription factor NF-Y
3	KP869845.1; KP869844.1; KP869843.1; KP869842.1; KP869841.1; KP869840.1; KP869839.1; KP869838.1; KP869837.1 ;KP869836.1; KP869835.1	11	Fungal pectate lyase genes
4	KJ729121.1 ;JQ735894.1 ; JQ735893.1 ;JQ735892.1; JQ735891.1; JQ735890.1; JF447774.1; JF447773.1; JF447772.1; JF447771.1; JF447770.1; JF447769.1; JF447768.1; JF447767.1; JF447766.1; JF447765.1; JF447764.1; JF447763.1 JF447762.1; JF447761.1; JF447760.1; JF447759.1; JF447758.1; JF447757.1; JN393730.1; JN393729.1; JN393728.1; JN393727.1; JN393726.1; JN393725.1; JN393724.1; JN393723.1;KX021374, KX021375, KX021376, KX021377, KX021378, KX021379.	39	Fungal pectin lyase genes

5	EF396188.1; EF396186.1; EF396185.1; EF396184.1; EF396183.1; EF396182.1; EF396181.1; EF396180.1; EF396179.1; EF396178.1; EF396177.1; EF396176.1; EF396175.1; EF396174.1; EF396173.1; EF396172.1; EF396171.1; EF396170.1; EF396169.1; EF396168.1; EF396167.1; EF396166.1; EF396165.1; EF396187.1 EF489470.1	25	Seed storage protein genes/ promoters of cereals
6	EU795007.1; EU795006.1	02	Abiotic stress related genes

INDIGENOUS MICROBIAL STRAINS ISOLATED AND DEPOSITED IN CULTURE COLLECTION CENTRES:

Sl. No.	Microbial strains	Culture collection centre	Number	Isolated by		
Fungal Strains						
1	<i>Aspergillus terricola</i>	Microbial Type Culture Collection Centre & Gene Bank, CSIR-IMTech, Chandigarh	MTCC 7588	Dr. Sangeeta Yadav, PDF		
2	<i>A. flavus</i>		MTCC 7589			
3	<i>A. aculeatus</i>		MTCC 7590			
4	<i>A. ficuum</i>		MTCC 7591			
5	<i>Penicillium citrinum</i>		MTCC 8897			
6	<i>Aspergillus flavus</i>		MTCC 10938			
7	<i>Aspergillus assiutensis</i>	National Fungal Culture Collection of india (NFCCI),	NFCCI 4875	Dr. Aiman Tanveer, PDF		
8	<i>Aspergillus flavus</i>	National Institute for interdisciplinary Science and Technology -CSIR, Thiruvananthapuram, Kerala	NIIICC-08142	Dr. Vivek Kumar Morya		
9	<i>Aspergillus flavus</i>		NIIICC-08143			
10	<i>Aspergillus flavus</i>		NIIICC-08144			
11	<i>Aspergillus flavus</i>		NIIICC-08145			
12	<i>Aspergillus flavus</i>		NIIICC-08146			
13	<i>Aspergillus flavus</i>		NIIICC-08147			
14	<i>Aspergillus flavus</i>		NIIICC-08148			
15	<i>Aspergillus flavus</i>		NIIICC-08149			
16	<i>Aspergillus flavus</i>		NIIICC-08150			
17	<i>Aspergillus flavus</i>		NIIICC-08151			
18	<i>Aspergillus tamari</i>		NIIICC-08152			
19	<i>Aspergillus niger</i>		NIIICC-08153			
20	<i>Aspergillus awamori</i>		NIIICC-08154			
21	<i>Aspergillus tubingensis</i>		NIIICC-08155			
22	<i>Aspergillus awamori</i>		NIIICC-08156			
23	<i>Aspergillus flavus</i>		NIIICC-08157			
24	<i>Aspergillus awamori</i>		NIIICC-08158			
25	<i>Aspergillus flavus</i>		NIIICC-08159			
26	<i>Aspergillus flavus</i>		NIIICC-08160			
27	<i>Aspergillus awamori</i>		NIIICC-08161			
28	<i>Aspergillus tamari</i>		NIIICC-08162			
29	<i>Aspergillus flavus</i>		Microbial Type Culture Collection Centre & Gene Bank, CSIR-IMTech, Chandigarh		MTCC 8835	
30	<i>Aspergillus flavus</i>				MTCC 8836	
31	<i>Aspergillus flavus</i>				MTCC 8837	
32	<i>Aspergillus flavus</i>				MTCC 8838	
33	<i>Aspergillus awamori</i>				MTCC 8839	
34	<i>Aspergillus awamori</i>				MTCC 8840	
35	<i>Aspergillus tamari</i>				MTCC 8841	

Bacterial Strains				
36	<i>Bacillus velezensis</i> (Bacteria)	Microbial Type Culture Collection Centre & Gene Bank, CSIR-IMTech, Chandigarh	MTCC 13249	Dr. Aiman Tanveer, PDF
37	<i>Aeromonas taiwanensis</i> (Bacteria)		MTCC 13240	

REFERRES

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