



Dr Tulika Mishra

Senior Assistant Professor, Department of Botany, Plant Tissue
Culture Lab,

D.D.U Gorakhpur University, Gorakhpur, U.P.- 273009 <http://ddugu.ac.in>

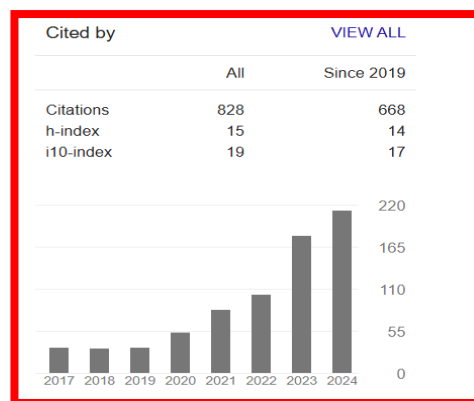
(Accredited A⁺⁺ by NAAC, CGPA-3.78)

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SPECIALIZATION:

Dr. Tulika Mishra is **Gold Medalist in Post-Graduation** and Graduation levels. She has received 06 Gold medals from the University. She has **20 years of Research experience (Utkal University, Bhubaneshwar)** and **15 years of Teaching Experience in M.Sc and B.Sc classes**. Worked in the field of Medicinal plants and Tissue culture, their pharmacology and extraction of Bio-functional molecules. Involved in research of rare and endangered medicinal plants for their conservation strategies and Ethnobotany. She had joined D.D.U Gorakhpur University on **29.04.2018 as Assistant Professor**. Has 53 Research publications in International Journals, 12 Book chapters, 05 Books to her Credit. Her Book '**Good Heart Health**' is acclaimed Internationally and Nationally.

Date of Birth- 28.11.1979



Academic Qualification:

Degree/ Qualification	University/ Institution	Field/Subject	Year	Percentage/ Grade
B.Sc.	D.D.U Gorakhpur University	Botany, Chemistry, Zoology	2000	80 % (Gold Medalist)
M.Sc.	D.D.U Gorakhpur University	Botany	2002	84% (Gold Medalist)
Ph.D. (Botany)	Utkal University, Bhubaneshwar, Odisha	Botany	2014 Awarded	“Some Medicinal plants for Cardiovascular Ailments”

Research Experience:

Sl. No	Duration	University/ Institution	Nature of Work Done
1.	2004-2013	Utkal University, Bhubaneshwar, Odisha. (Department of Botany)	Research Scholar/ Ad-hoc teacher: Pharmacology, Extraction of Secondary metabolites, HPLC, tissue-culture.
2.	2013-2018	St. Joseph’s College for Women, Gorakhpur, U.P.	Asst. Professor: Mycology, Pharmacology, Biochemical analysis, U.G teaching.
3.	2018-onwards	Department of Botany, D.D.U Gorakhpur University, Gorakhpur, U.P.	Asst. Professor: Teaching UG, PG, Ph.D students, Research, Administrative work.

Total Publication (till date): September 2023

- **Papers-53 (52 International, 01 National) Papers (UGC-15 papers, Elsevier-11, Springer-09, WOS-10 and ICI)**
- **Book Chapter-12 (10 International, 02 National; Wiley, CRC press, Springer)**
- **Books-05(International Publications)**

Patents- 03

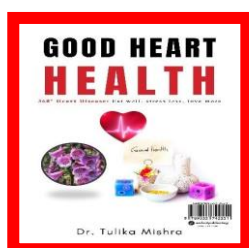
- 01- **Published- “Biosensor Device for Targeted Drug Delivery”-
Design No-6357927, Grant Date- 16.04.2024 United Kingdom PATENT**
- 02- **Published - “Agriculture Apparatus for Preventing Pests in Greenhouse”
Design No- 413528, Grant Date- 06.06.2024, Indian Patent (IPR)**
- 03- **Published- “Gel Electrophoresis Apparatus for Analyzing Plant Genetic Material” Design No-416425-001, Grant Date- 04.07.2024; Indian Patent (IPR)**

Collaborations in Research:

Name of the Scientist/Expert	Mobile No.	Email Id	Institution/ Organization
Dr. Debashish Chakrabarty (Senior Principal Scientist)	8787242766	chakrabartyd@nbri.res.in	National Botanical Research Institute, Lucknow. NBRI
Dr. B.N Singh (Senior Principal Scientist)	9453608961	bn.singh@nbri.res.in	National Botanical Research Institute, Lucknow, NBRI
Dr. Gaurav Raj Dwivedi	9838278864	grd.rmrcb@gov.in	ICMR- Regional Medical Research Centre, Gorakhpur
Dr. Prabhat	8318793132	drprabhat@aiimsgorakhpur.edu.in	AIIMS (All India Institute of Medical Sciences) Gorakhpur
Dr. Nihar Ranjan Nayak (Head of Department, Tissue Culture, RPRC Bhubaneswar)	8763310800	niharnayak@yahoo.com	Head, Tissue Culture Lab, Regional Plants Resource Centre RPRC, Bhubaneswar-Odisha
Dr. Abhijit Dey	(+91)9903214237	abhijit.dbs@presiuniv.ac.in abhijitbio25@yahoo.com	Department of Life Sciences, Presidency University, Kolkata

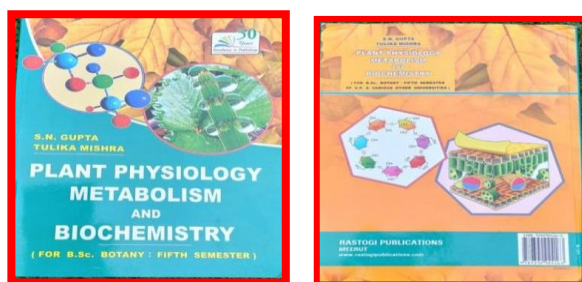
BOOK PUBLISHED:

1. **Good Heart Health:** Walnut Publications. International Publication. London. ISBN-978-93-5574-255-1. <https://www.walnutpublication.com/>. June-2022 Flipkart/ Amazon

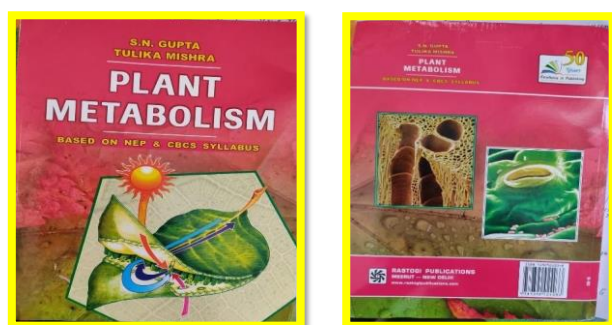


Internationally Acclaimed, UAE and Overseas great Seller.

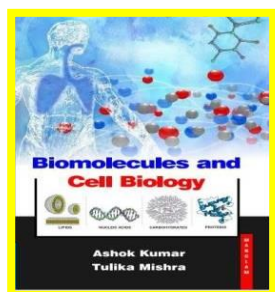
2. **Plant Physiology, Metabolism and Biochemistry:** Rastogi Publications Meerut, ISBN: 978-93-9292-16-3, June 2023. According to NEP/CBCS Pattern **U.G Syllabus.**



3. **Plant Metabolism**- Tulika Mishra and S.N Gupta. Aug-2022. Rastogi Publications, Meerut. ISBN-939292403. www.rastogipublications.com Based on NEP & CBCS syllabus. For **M.Sc.**



4. **Biomolecules and Cell Biology**. Tulika Mishra and Ashok. Kumar. V Semester Bookin B.Sc. Mangalam Publications, Gautam Vihar, New Delhi. Based on NEP & CBCS syllabus. 2022. <https://dl.flipkart.com/s/mfdGkINNNN>. ISBN- 978-93-91193-57-7



Editorial Board Member:

Journal of Diseases and Medicinal Plants; Science Publishing group. 548 Fashion Avenue, New York, NY 1008, U.S.A, since 2016. ISSN:246-8202. www.sciencepublishinggroup.com.

Reviewer:

- “Bioinfo publications”- An International group of Journals, Membership ID: 9E4B409C51, 16 Jun 2015 till date.
- “Innovative Publication Pvt Ltd”. - IP Indian Journal of Pharmacy and Pharmacology, from 2016 till date. www.innovativepublication.com
- Biomedical and Pharmacology Journal, 18.06.2020, ISSN: 0974-6242, e- ISSN: 2456-2610
- International Journal of Information Research
- Egyptian Journal of Biological Pest Control EBPC-D-23-00554
- American Journal of Plant Sciences (AJPS) (AJPS, ISSN Online: 2158-2750)
- Frontiers in Genetics; frontiersin.org



Advisory Board Member-

- “European Journal Pharmaceutical and Medical Research” EJPMPR. ISSN 2394-3211, from 1/1/2016 (U.G.C Approved), Editor-Valentina Petkova, Bulgaria. www.ejpmr.com
- Frontiers Of Pharmacology (Ethno)
- **Chief Editor: ‘SANJOE’** A multidisciplinary Journal from St. Joseph’s College for Women, from 2017

Awards-

1. **Outstanding Women Researcher In Medicinal Plants: Venus International Foundation, Chennai, Tamil Nadu.- 2024 VIWA INTERNATIONAL AWARDS**
2. Teachers day -Award from **U.P Government for Research and Teaching. 2021**
3. Teachers day -Award from **D.D.U Gorakhpur University for Outstanding Research and Teaching. 2022.**
4. I2OR award - **National Elite Teacher award 2022, MSME ministry, Govt of India UDYAM PB-20-0002405**

FDP Program:

Name of the Course/ Summer School	Place	Duration	Sponsoring Agency
Orientation Program	HRDC, D.D.U Gorakhpur University	13 July-02 August, 2019	U.G.C Sponsored
Refresher Course	HRDC, D.D.U Gorakhpur University	10 October- 23 October, 2020	UGC Sponsored
MOOCs, e-content development and Open Educational Resources, Short Term Course	HRDC, D.D.U Gorakhpur University	21 September-27 September, 2018	UGC Sponsored Workshop
Moodle Learning Management System, ICT	Online, Course	21 June- 27 June 2021	IIT Bombay, Ministry of Education, Govt. of India
Professional Development Programme for Faculties in Higher Education: New Perspectives of Teaching,	Online Course, Department of Biotechnology.	23 June-29 June, 2021	UGC-HRDC and ICT Cell, DDU Gorakhpur University.

Learning and Research			
Refresher Course- Life Science	Online U.G.C-HRDC and Department of Biotechnology	23 July to 5 August 2022	U.G.C-HRDC Gorakhpur
OER Course: Common Wealth Educational Media Centre for Asia, New Delhi	Amity, Haryana	20-25 Dec 2023 5 day FDP at Amity University Haryana, Manesar	Amity Haryana and

Conferences attended: since Last Two years

Sr. No.	Title	Conference / Seminar	Invited lectures /Resource Person / Paper presentation	Name of Organizer	International/ National
1.	Antimicrobial Effects of Flame Lily (<i>Gloriosa Superba</i> L.)	XLVII All India Botanical Conference-16-18 Oct	Paper Presentation	IBS, CCS University, Meerut	International
2.	Assessment of Antimicrobial, Antioxidant and Anti-Cancer Potential of <i>Rauwolfia serpentina</i>	65 th AMI Annual International Conference 2024-14-17 Nov 2024	Poster Presentation	Guru Jambheshwar University of Science and Technology- Hisar	International
3.	Ethnobotanical and Therapeutic Importance of Some Sacred Plants in Terai Region of UP.	International Conference on Plant Science & Sustainable Agriculture (ICPSSA-Dubai-2024)	Resource Person	Dubai- Plant Science Research Group, MSME Industry	International
4.	Biotechnological Interventions in Medicinal plants for Biosensor Development	International Conference on Emerging Novel Research in Plant Sciences	Invited Lecture	(ICENRPS-2024)- Bangkok, Thailand	International

5.	Constituents and Biological activities of selected genera of Terai region of Uttar Pradesh"	International Conference 12th International Conference on Interdisciplinary Research for Sustainable Development	Paper Presentation	organised by I2OR India & Green ThinkerZ Society, Centre for Smart Modern Construction, Western Sydney University, Australia, Jamia Hamdard New Delhi. 24.12.2023	International
6.	Production of secondary metabolites using Tissue culture techniques in the wake of Climate Change(2018-19)	Plant Viruses and Researches in Plant Sciences. National Seminar	Invited Lecture	Deptt of Botany, DDU Gorakhpur University.	National
7.	Bioprospecting Phytochemical Analysis of Hatisur (<i>Heliotropium indicum</i> L.)- A review: 2019	Emerging Trends and Advances in Sustainable Utilization and Conservation of Plants	Invited Talk	Marwar Business School, PG College, Naseerabad Gorakhpur- 273001	National
8.	Quality Indicator Framework of SSR" 2019	Quality Indicator Frame-work of SSR	Resource Person	IQAC- DDU Gorakhpur University	National
9.	Magic of Herbals of Esatern U.P in the Pandemic Era. 2020	Pragya Prawah, Online Web Series	Invited Talk	Abhinav Dristi, Gorakshnathprant, abinav Drishti, Prgya Prawah, D.D.U G.U	National
10	Surviving the World through Ultimate Panacea:Plants. 2020	Lecture Series- In Pandemic	Invited Talk	St. Joseph's College for women.Gorakhpur	National
11	Ethnobotanical and Therapeutic importance of <i>Gloriosa superba</i> : A review	Seminar on Environment Technology and Sustainable Development: Issues and Challenges	Oral Presentation	Department of Botany, D.D.U Gorakhpur University.	International
12	Isolation of Biofunctional molecule from Traditional Medicinal Plant:2020	Omics for Food Health and Environment: OFHE	Oral Presentation	Department of Biotechnology	National
13	Establishment of Protocol for <i>Adathoda vasica</i> for the cure of Tumor" 2019	Biotechnology Interventions in Agriculture, Health and Industry. BIAHI-	Paper presentation	Department of Biotechnology, D.D.U Gorakhpur University	National
14	Tissue Culture Techniques: 2021	Advances in Plant Biotechnology and genome Editing	Paper Presentation	42nd Meeting of Palnt Tissue culture Association PCTA-ICAR	International

15	Whittling away Cardiovascular Ailments through the efficacious therapeutic Indian Plants:A Review-2018	Advances in Biological and Environmental Research for Human Welfare ICABERHW-2018	Paper Presentation	Department of Zoology, D.D.U Gorakhpur University	International
16	Biofunctional molecule from Endophytic fungi of Tulsi: A traditional Medicinal Plant	43rd All India Botanical Conference of the Indian Botanical Society by CSIR-NBRI	Poster Presentation	IBS, CSIR_NBRI Lucknow	National
17	Seed Priming: An Emerging Technique Tomitigate Physiological Problems in Seed Germination	National Conference on Traditional Medicines, Cultural Heritage, Innovations, Drug and Discovery & IPR	by IQAC and Research Development Cell St. Andrews College Gorakhpur, U.P- Sponsoredby UGC		National

Guiding 07 students for Ph.D degree:

1. Pallavi Sharma: “Biochemical and in vitro Studies of *Gloriosa superba* L: An important medicinal plant”- **SUBMITTED THESIS**
2. Pragati Pandey: Studies of Phytochemicals and Agro-techniques for the conservation of *Rauwolfia serpentina* (L.) Benth. Ex Kurz”
3. Raj Kumar Pandey: “ Phytoremediation of Cd-contaminated soil of Eastern U.P”
4. Aishwarya Rai: “Studies on Micropropagation, phytochemistry and pharmacology of *Flacourtia jangomas* (Lour.) Raeusch.”
5. Archana Kushwaha: “Micropropagation and Phytochemical Analysis of *Dioscorea bulbifera* L.”
6. Neha Kumari Sonkar: “Effect of Viral diseases of Arhar (Pigeon Pea) on Nodulation and Nitrogen content in Gorakhpur region.”
7. Pranay Raj: Doing Pre-Ph.D course work.

Administrative work (29.04-2018 onwards in DDU GORAKHPUR UNIVERSITY):

- **Member of IQAC Peer team member** from 16.8.2019 till date. Gave lectures as resource person INTERNAL QUALITY ASSURANCE CELL, in Quality IndicatorFrame work of SSR, 14.09.2019.
- **Co-Ordinator Industrial Microbiology Department in DDUGU.**
- **Superintendent** of Maharani Laxmi Bai Girls Hostel, DDU Gorakhpur University-02-08-2018 5till date
- **Member of Board Of studies** in Botany Department, DDU Gorakhpur University andBotany Department, Siddhartha University.
- **Established Advanced Plant Tissue Culture Lab**, in the Deaprtment of Botany, DDUGU
- **Established Hydroponics** in the Botany Department, DDU Gorakhpur University.
- Webinar Attended and organized by Department of Life Sciences by Mansarovar Global University on “New opportunities in Medicinal Plant Sector for Farmers and Entrepreneurs” on May 24, 2020
- Organizing Secretary in the National Webinar on “Medicinal and Aromatic Plants in Boosting Immunity for COVID-19” by Deptt of Botany, DDU Gorakhpur University, on 29th May 2020

- Conducting Online Lecture Series in Mahayogi Shri Gorakhsnath ShodhPeeth DDU Gorakhpur University, on Facebook Live. Every week three lectures will be organized, from 18 May, 2020, at 1.30 pm.
- Attended Webinar on Leveraging Science and Technology to Combat COVID-19, on May 23-24, 2020, by Faculty of Science, DDU Gorakhpur University and Paper presented.
- Attended and Co-ordinated Zoom Meetings by Abhinav Drishti- Vaishvik mahamari mei Hamari Bhartiya Sanatan Padhti.
- Co-ordinated Motivation and Innovation Program on 16.12.2019, in Department of Botany, DDU Gorakhpur University.
- Organizing Secretary in Motivation and Innovation Program from 24th to 28th Aug, 2019. Of DST.
- Passed Basic Training course, as Ranger Leader, organized by Uttar Pradesh Scout and Guide, From 4.09.2019 to 10.09.2019
- Programs on World Population Day (11 Aug) and Vishwa Sadbhawana Diwas on 20 Aug.
- Gave lecture as Resource person in the affiliated colleges of DDU Gorakhpur University on 7.12.2019 for NAAC preparation.
- Organised as Member in Vishesh jagrukta Cell organized “Padhe Gorakhpur” program in DDU Gorakhpur University-9.12.2019
- Member and Team Leader Rovers and Rangers, DDU Gorakhpur University-28.11.2018
- National Workshop On KS Bharagava centennial Co-Organising Secretary 2nd & 3rd Nov, 2018
- Team Leader and Co-convener Rovers and Rangers, DDU Gorakhpur University-28.11.2018
- Selection committee of RET exam DDU Gorakhpur university. DRC
- Member of IQAC steering Committee of DDU Gorakhpur University, 2019 and NIRF Team of University
- Convocation of DDU Gorakhpur University- MEMBER Gold Medal Committee
- Member Pragya pravah, in Guru Gorakhsnath Shodhpeeth 2019
- In Interview Panel for Teachers of Intermediate College, for High-School and Intermediate level Biology Teacher .
- Conducting practical exams as Internal and external examiner of B.Sc in various colleges affiliated to Gorakhpur University from 2017 onwards.
- **Invited lecture: 12 air-force Hospital, Gorakhpur: A workshop on ‘Foundation of Life’, 11 Aug, 2018, invited by Commanding officer Pauline Babu**
- Invited talk in Prasar Bharti, All India Radio Doordarshan, broadcasted on 29.04.2019 at 6.00 to 6.30 pm, Doordarshan Kendra Gorakhpur.

MEMBERSHIP OF SCIENTIFIC SOCIETIES/ ASSOCIATIONS:

- Member of Botanical Society of America BSA, USA from 2019.
- Member of “Plant Science Research”
- Life Member Indian Science Congress Association: Membership ID: L37284, 27.11.2018
- Life Member Indian Botanical Society
- Member of Society for Conservation and resource development of medicinal plants, New Delhi.
- Member of the Indian Science Congress association.
- Indian Botanical Society, Bareilly
- National Botanical Society, Bhubaneswar, Odisha.
- International Society for Medicinal Plants and Natural Product Research- Delhi
- Society for Ethnopharmacology, UK
- Science Publishing Group- USA
- BIOINFO publications- Germany

Address-

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