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Current Position: Assistant Professor, D.D.U. Gorakhpur University, Gorakhpur (U.P.), India.

Education :

- 2019 Ph.D. Biotechnology, School of Biotechnology, Devi Ahilya University, Indore, (M.P.), India.
2012 M.Sc. Biotechnology, St. Francis De Sales College, Nagpur, (M.S.), India.
2010 B.Sc. Biotechnology, Rajiv Gandhi College Satna, (M.P.), India.

Research/Job Experience :

Institution	Post Held	From	To
Department of Biotechnology, Deen Dayal Upadhyaya, Gorakhpur University, Gorakhpur (U.P.)	Assistant Professor	16/06/2023	Till date
Madhya Pradesh State Biodiversity Board, Bhopal (M.P.)	Technical Expert - PBR	06/01/2020	15/06/2023
School of Biotechnology, Devi Ahilya University, Indore (M.P.)	Golden Jubilee Research Fellow (GJRF)	08/08/2014	08/08/2016
School of Biotechnology, Devi Ahilya University, Indore (M.P.)	Ph.D. Student	12/09/2013	05/08/2019

Honors and Awards

- Fellowship for Training of Young Scientist** during 34th M.P. Young Scientist Congress of M.P. Council of Science and Technology, Bhopal held on Feb. 28- March 01, 2019.
- FIRST prize** in poster presented titled 'Search for SMV resistant gene(s) in soybean' in the National Conference on Women Empowerment-Education, Environment, Biodiversity, Health & Agriculture, Organized by Dr Saroj Asthana Memorial Cancer Foundation, Society for Health Education Family Welfare (SHEFWEL), 'NIDAN' Sarvjan Welfare Society and M.P. Council of Science & Technology, Bhopal held on 23-24 March, 2018.
- Golden Jubilee Research Fellowship** (GJRF) of Devi Ahilya University, Indore, during 2014-2016 (two years duration).
- Senior Executive Member** for Biochem-Biotech Organization of S.F.S. Students (BOSS) of St. Francis De Sales College, Nagpur, in the academic year 2011-12.
- Treasurer** for Biochem-Biotech Organization of S.F.S. Students (BOSS) of St. Francis De Sales College, Nagpur, in the academic year 2010-11.

Publications (13)

Book=01, Research Article=04, Review Article=08

Details of Publication -<https://scholar.google.co.in/citations?hl=en&user=EMS1PQoAAAAJ>https://www.researchgate.net/profile/Gaurav_Singh80<https://dauniv.academia.edu/GauravSingh>

1. Singh, N., and **Singh, G.** (2012). Antioxidants from Natural Source: Ray of Hope for Oxidative Damage. **Journal of Pharmaceutical and Scientific Innovation**, 1(4), 14-17. **ISSN: 2277-4572.**
2. Singh, N., and **Singh, G.** (2012). **Hedychium coronarium- An Overview**, (2012) in an International Research Journal of Humanities, Engineering & Pharmaceutical Sciences. **ISSN: 2249-2569**, ISBN: 978-81-909047-9-7.
3. Singh, N., and **Singh, G.** (2013). **Medicinal Potential of Plants in Folk Medicine Among Tribes of Central India**, in Book entitled 'The Tribal Discourse' by I.G.N.T. University, **ISBN: 978-81-927536-4-5.**
4. Khandia, R., Munjal, A., Kumar, A., **Singh, G.**, Karthik, K., & Dhama, K. (2017). Cell penetrating peptides: Biomedical/therapeutic applications with emphasis as promising futuristic hope for treating cancer. **Int. J. Pharmacol.**, 13(7), 677-89. **ISSN: 1811-7775. DOI: 10.3923/ijp.2017.677.689.**
5. **Singh, G.** and Kumar, A. (2019). A Study on Synteny Relationship of *Glycine max* and *Arachis hypogaea* using Bioinformatics Approach, (2019) in Vindhya Bharti (Multi-Disciplinary), Vol. I, No. 17, **ISSN: 0976-9986.**
6. **Singh, G.** and Kumar, A. (2019). Synteny analysis of *Glycine max* and *Phaseolus vulgaris* revealing conserved regions of NBS-LRR coding genes. **Biosc. Biotech. Res. Comm.** 12:124-133. **DOI: 10.21786/bbrc/12.1/16.**
7. **Singh, G.**, Ratnaparkha, M., and Kumar, A. (2019). Comparative analysis of Transposable Elements from *Glycine max*, *Cajanus cajan* and *Phaseolus vulgaris*. **J. Exp. Biol. Agri. Sci.** 7:167-177. **DOI: 10.18006/2019.7(2).167.177.**
8. **Singh, G.** and Kumar, A. (2019). A Review on Various Aspects of Soybean and Soybean Mosaic Virus, (2019) in Vindhya Bharti (Multi-Disciplinary), Vol. I, No. 18, **ISSN: 0976-9986.**
9. Dukariya, G., Shah, S., **Singh, G.** and Kumar, A. (2020). A Review article on the topic **Soybean and Its Products: Nutritional and Health Benefits**, (2020) in **Journal of Nutritional Science and Healthy Diet** (J Nut Sci Heal Diet), 1(2): 23-30.
10. **Singh, G.**, Dukariya, G., and Kumar, A. (2020). Review article on the topic **Distribution, Importance and Diseases of Soybean and Common Bean: A Review**, (2020) in **Biotechnology Journal International** (BJI), 24(6): 86-98, **ISSN: 2456-7051. DOI: 10.9734/BJI/2020/v24i630125.**
11. **Singh, G.** (2021). Molecular detection and characterization of disease resistance genes for bacterial blight in selected Indian soybean varieties in **J App Biol Biotech. (JABB)** Vol. 9 (3):51-58. **ISSN: 2455-7005, DOI: 10.7324/JABB.2021.9307.**
12. **Singh, G.** and Dukariya, G. (2021). Insights in Biodiversity Management and Conservation in India: Structure and Role of Multi-tier Legal System in **Asian Journal of Conservation Biology (AJCB)** Vol. 10 (1): 40-45. **ISSN: 2278-7666. DOI: https://doi.org/10.53562/ajcb.AIRJ9111**

Papers / Posters Presented (7)

1. **Role of Ethnomedicinal Drugs on Health and Economic Development of Tribes of Central India –** 28th Feb – 1st March, 2012, National Seminar on Tribes of Central India: Institutions, Development and Change, Indira Gandhi National Tribal University, Amarkantak, M.P.
2. **Traditional Knowledge Associated With Medicinal Plants Among Tribal Community of Central India**, 30th-31st March, 2014, National Seminar on Tribal Development in Central India: Problems and Prospects, Indira Gandhi National Tribal University, Amarkantak, M.P.

3. **Studies of Morphology, Floral Biology and Fruit Characteristics of Mango**, 18-20th December, 2014, The International Conference on Emerging Challenges in Biotechnology, Human Health & Environment & 8th Annual Convention of Association of Biotechnology and Pharmacy Organized by Devi Ahilya University Indore M.P.
4. **Search for SMV resistant gene(s) in soybean**, 23-24 March 2018, National Conference on Women Empowerment-Education, Environment, Biodiversity, Health & Agriculture, Organized by Dr Saroj Asthana Memorial Cancer Foundation, Society for Health Education Family Welfare (SHEFWEL), Bhopal, 'NIDAN' Sarvjan Welfare Society and M.P. Council of Science & Technology, Bhopal M.P.
5. **Application of Plant Biotechnology in Improving Natural and Nutritional Product in Soybean**, 28-29 April, 2018, in National Seminar on Indian Tribal Medicinal Plants Research: Challenges & Prospects Organized by Department of Pharmacy, Indira Gandhi National Tribal University, Amarkantak M.P.
6. **Eco-Tourism: A New Approach for Biodiversity Management**, 17th May, 2020 in the Online International Conference on Biodiversity Conservation and Tourism Organized by Department of Environmental Science and Department of Vocational Courses in association with Joint Director Office, Higher Education, Konkan Region, Panvel M.S.
7. **Conservation of Biodiversity through Eco-Tourism**, 05-06 June, 2020 in National Online Conference on Environment, Human Health and Sustainable Development Goals Organized by Environment and Social Development Association (ESDA), Delhi and Co-organized by Grass Roots Research and Creation India (P) Ltd. (GRC India), Noida U.P.

Abstracts Published (10)

1. **Anticancer Potential of Herbal Drugs: A Review**, at National Seminar on Herbal Anti-Cancer Drug Development: In-vivo & In-vitro Study Protocol on 28th April 2014 organized by Radharaman Group of Institutes, Bhopal (M.P.).
2. **Role of Nutraceuticals in Health Management** at National Seminar on Recent Advances in Nanotechnology: Tissue Engineering on 7th & 8th March 2014, Organized by T.I.T College of Pharmacy, Bhopal (M.P.).
3. **Search for SMV resistant gene(s) in soybean**, in National Conference on Women Empowerment-Education, Environment, Biodiversity, Health & Agriculture, and Organized by Dr Saroj Asthana Memorial Cancer Foundation, Society for Health Education Family Welfare (SHEFWEL), Bhopal, 'NIDAN' Sarvjan Welfare Society and M.P. Council of Science & Technology, Bhopal M.P. 23-24 March 2018.
4. **Application of Plant Biotechnology in Improving Natural and Nutritional Product in Soybean**, in National Seminar on Indian Tribal Medicinal Plants Research: Challenges & Prospects Organized by Department of Pharmacy, Indira Gandhi National Tribal University, Amarkantak M.P. 28-29 April 2018.
5. **Synteny Analysis of *Glycine max* and *Phaseolus vulgaris* : Unraveling the Potential of NBS-LRR Coding Genes**, in 34th M.P. Young Scientist Congress, Organized by M.P. Council of Science and Technology, Bhopal and Rajiv Gandhi Proudयोगiki Vishwavidyalaya M.P. February 28–March 01, 2019.
6. **Treatment of Covid-19: Our Solutions are in Nature**, in the 1st Hericure-Valyn-Ukzn : An International Webinar Conference on Impact of Natural Bioactive Compounds for the treatment of Covid-19 : Diagnostic Challenges and Futuristic Perspectives, Organized by HeriCure Health Care Group, Pune, India and University of KwaZulu-Natal, Durban, South Africa. 30-31 May, 2020.
7. **Conservation of Biodiversity through Eco-Tourism**, in National Online Conference on Environment, Human Health and Sustainable Development Goals Organized by Environment and Social Development Association (ESDA), Delhi and Co-organized by Grass Roots Research and Creation India (P) Ltd. (GRC India), Noida U.P. 05-06 June, 2020.
8. **Biodiversity conservation: An effective solution for environmental protection**, in Online International Conference on Environment and Its Conservation: Road to Relocalization Organized by Safia College, Bhopal, M.P. 05 June, 2020.

9. **An Overview on Impact of Climate Change on Biodiversity and Its Solutions for Conservation** in 3rd National Seminar on Current Trends in Life Sciences (NSCTLS-2021) in association with NASI (Bhopal Chapter) and Society of Life Science Organized by Amity Institute of Biotechnology, Amity University, Madhya Pradesh, Gwalior, M.P. 29. January, 2021.
10. **A Comparative Genomics through Synteny Analysis of *Glycine max* and *Phaseolus vulgaris*** in National Conference on Advanced Biotechnology and Biosystem (NC-ABB 2024) Organized by Department of Biotechnology, Deen Dayal Upadhyaya Gorakhpur University, Gorakhpur (U.P.), November 11-12, 2024. *Agrica* Vol. 13(S), 2024 Page No. 137. DOI:10.5958/2394-448X.2024.00113.X

Training Completed (5)

1. Participated in hands on training program entitled **Basic Techniques in Animal Tissue Culture** at School of Biotechnology, Organized by SBT, Devi Ahilya University Indore, M.P. 12th-15th November 2018.
2. Participated and completed NAHEP-CAAST sponsored training on **Genome Editing of Crops: Methods and Applications** jointly organized by ICAR-National Institute of Plant Biotechnology, Division of Plant Physiology and Division of Plant Pathology, ICAR-Indian Agricultural Research Institute, New Delhi, 27th December, 2019 to 08th January, 2020.
3. Successfully completed the four weeks (July 4, to July 31, 2020) training programme on **Educational Administration** by Indira Gandhi National Tribal University, Amarkantak, M.P. (**Certificate No.** IGNTU2020-168).
4. Successfully completed the 21 days (July 13, to August 02, 2020) **Online GIS training programme using QGIS** by Department of Geography, School of Earth Sciences, Central University of Karnataka, India jointly with State Institute of Urban Development, Karnataka, India.
5. Successfully completed the five days (August 10, to August 14, 2020) training programme on **Fundamental of GIS & Its Application using Open Source Software** by Madhya Pradesh Water and Land Management Institute (WALMI), Bhopal, M.P.

Talk / Lecture Delivered (9)

1. Delivered a lecture titled **Bioinformatics and its Clinical Manifestation**, Organized by Department of Research, Jawaharlal Nehru Cancer Hospital and Research Center, Bhopal. 01 March, 2019.
2. Delivered a lecture titled **Treatment of Covid-19: Our Solutions are in Nature** in the 1st Hericure-Valyn-Ukzn: An International Webinar Conference on Impact of Natural Bioactive Compounds for the treatment of Covid-19: Diagnostic Challenges and Futuristic Perspectives, Organized by HeriCure Health Care Group, Pune, India and University of KwaZulu-Natal, Durban, South Africa. 30-31 May, 2020.
3. Delivered a lecture in expert session on **Biodiversity: Its Conservation and Management in India** as a Guest Speaker at Institute of Biological Science, SAGE University, Indore. 23 November, 2020.
4. Delivered a lecture in expert session on "Conserve Biodiversity and Save Earth" as a Guest Speaker at Institute of Biological Science, SAGE University, Indore. 22 April, 2021.
5. Delivered a lecture in 03 day (06 to 08 February, 2023) training program **Training Program under Job Oriented Project Work (JOPW)** as a Speaker at Department of Zoology, Sarojini Naidu Govt. Girls' Post Graduate College, Bhopal, M.P. 14 February, 2023.

6. Delivered a lecture in 04 days **International Webinar** Series on Theme: “Biodiversity Conservation and Sustainable Development” on the topic “***Insights in Biodiversity Management and Conservation in India: Structure and Role of Multi-tier Legal System***” as a Speaker at Govt. M.S. Golwalkar College Rewa, Dist.-Rewa (M.P.). 26 August, 2023.
7. Delivered a lecture in One day **National Webinar** on “Biodiversity and its Conservation” on the topic “***The Role of Biodiversity Management Committee’s (BMCs)- People’s Biodiversity Register (PBR) for conservation of Biodiversity***” as a Keynote Speaker at Govt. P.G. College Amarpatan, Dist.-Satna (M.P.). 28 August, 2023.
8. Delivered a lecture in One day **National Webinar** on “Biodiversity Conservation: Issues and Challenges” on the topic “***Biodiversity, Conservation of Biodiversity through Biodiversity Management Committee’s (BMCs) & People’s Biodiversity Register (PBR)***” as a Guest Speaker at Govt. Science College Pandhurna, Dist.-Chhindwara (M.P.). 29 August, 2023.
9. Delivered a lecture in One day **National Webinar** on “***Importance and Possibilities of Technology in Education***” as a Eminent Speaker at Govt. Arts and Commerce College, Majhauri, Dist.-Sidhi (M.P.). 30 May, 2024.