

CURRICULUM VITAE

Dr. ABAIDYA NATH SINGH

Mobile No.: +91-9415301470

Email Id- ansingh.biotech@gmail.com

Correspondence Address

485D, Ramjanki Nagar
A Block, Basharatpur
Gorakhpur (U.P.)-273004

Permanent Address

S/O- Ramdas Singh
Village and Post-Bhuswal
Gorakhpur (U.P.)-273403

Profile

Seasoned in teaching reading recovery, hands-on science, and bilingual and multicultural classes. Demonstration ability to clearly illustrate difficult-to-understand subjects. A loyal, team-spirited individual, able to effectively gain the confidence of others. A personable but firm professional with a good sense of humor and a strong sense of commitment toward success. A positive and confident personality with a strong work ethic. Able to gather, compile, and analyze information from many different sources. Analytical ability combined with extensive experience in conception and execution. Ability to communicate with counterparts in other departments and obtain information by establishing a network. Creative and solid problem-solving skills. Excellent organizational ability. Skill to develop new systems that increase productivity and quality of work. A high learning curve, adaptiveness to change, and the skill to solve problems innovatively.

Selected Achievements

- Successfully implemented multi-cultural and multi-intelligence teaching techniques.
- Significantly increased morale among personnel.
- Assisted management in generating ideas for effectively evaluating treatment goals.
- Analyzed and improved department results in standardized tests.

Related Experience

Professional Experience

- Possess about **sixteen years of experience in research and teaching**, catering to both undergraduate and postgraduate students.
- Has conducted the subject lectures and debate sessions regularly, keeping an eye on the understanding of the students and understanding the subject better.
- Has encouraged students to build committees among themselves.
- Arrange expert meetings for students on a periodic basis to create an interest in the subject.
- Provided students with information outside the classroom, such as the future prospects of the subject, the competitive exams, etc.

Academic/Research Position:

Current

- Assistant Professor, Department of Biotechnology, Faculty of Allied Health Sciences, Mahayogi Gorakhnath University, Gorakhpur, (U.P.)-273007, since October 4, 2023.

Past

- Assistant Professor, Faculty of Science, BNS Mahila Mahavidyalaya, Varanasi (U.P.)-221002, July 2019 to October 2023.
- Guest Faculty (Biotechnology) and Acting Dean, Faculty of Science, B.D.S.P. Mahila P.G. College, Khochawan, Varanasi (U.P.)-221313, July 2019 to October 2023.
- Course Coordinator, Department of Biotechnology, Microtek College of Management and Technology, Maldahiya, Varanasi-221010, July 2018 to June 2019.
- Guest Faculty (Botany), Central Institute of Higher Tibetan Studies (Deemed University) (CIHTS) (Formerly: **Central Universities of Tibetan Studies**) at Sarnath, Varanasi-221010, September 2016 to May 2017.
- Project Fellow, Environmental Science Division, Department of Civil Engineering, **I.I.T. (B.H.U.)**, Varanasi-221005, a joint venture with the Department of Botany, Udai Pratap Autonomous College, Varanasi-221002, on Impact Assessment of Pollution Generated in Varanasi City on River Varuna—A Tributary of River Ganga, July 2012-December 2015.
- Lecturer, Department of Biotechnology, Microtek College of Management and Technology, Maldahiya, Varanasi-221010, July 2006 to June 2012.
- Team Member (Trainee), Ranbaxy Laboratories Ltd. [Formerly: Cardinal Drugs Ltd.], Malanpur, Bhind (M.P.), January 2006 to June 2006.

Areas of Interest:

- Utilizing the skill set for development of the organization
- Making use of self-made ideology to gain the positive results and obtaining the goals of the organization

Fields of Research Interest:

- Environmental Science (Surface and Ground Water analysis with respect to Trace Metal, Microbiology and other important physico-chemical parameters)
- Plant Physiology (Stress Physiology against biotic and abiotic Factor)

Educational Degrees

Ph.D. : Mahatma Gandhi Kashi Vidyapith, Varanasi, 2018.

Thesis title- Study of Physico-Chemical Parameters and Angiospermic Floristic Composition of River Varuna at Varanasi- A Major Tributary of River Ganga

M.Sc. (Biotechnology): Department of Biotechnology, Jiwaji University,
Gwalior (M.P.), 2006
B.Sc. (Bio) : Faculty of Science, D.D.U.Gorakhpur, University,
Gorakhpur, (U.P.), 2004
Higher Secondary : Sarvodya Kishan Inter College, Kauriram (U.P. Board),
(Bio Group) 2001
Secondary : Sarvodya Kishan Inter College, Kauriram (U.P. Board),
(Science) 1999
Fellowship : UGC {F. No. 41-403/2012 (SR)}, July, 2012.

Additional Educational Degrees

M.Sc. (Botany) : Department of Botany, J.S. University, Shikohabad, U.P.,
2019.
PGDM (HR) : All India Management Association (AIMA), New Delhi,
2010.

Awards and Honors & Activities

- **In 2023**, I received the **Young Scientist Award** at the National Conference on Advances and Opportunities in Drug Discovery from Natural Products. This event was held at the Department of Biotechnology, Faculty of Allied Health Sciences, Mahayogi Gorakhnath University in Gorakhpur, U.P., 273007.
- **Teamwork Award 2019, 2017, 2014, 2012** by Microtek Group of Institutions, Varanasi for significant Academic Contribution.
- **Event Coordination** Award 2017, 2014 by Microtek Group of Institutions, Varanasi for outstanding contributions to event planning and execution.
- In 2019, I was honoured by the Kashi Universal Foundation for my active participation in an environmental awareness program.
- **Member of Professional / Technical Committees:** Academic Board, Disciplinary, Research, Examination, etc. of Varanasi Reputed Institutions.

List of Publications

- **Journal Papers (National/International)**
Singh S, Singh AN, Singh R, Sharma NR. 2023. Heavy Metal Pollution in the Aquatic System and Their Toxicological Effects on *Claris Batrachus*. International Journal of Membrane Science and Technology, 10(1): 496-506. (Scopus Indexed)

Singh S, Singh AN, Singh R, Sharma NR. 2023. Seasonal Variation of Trace Metals in Ancient Pond and Its Impact on Morphometry of *Claris Batrachus*: A Case Study of Varanasi City. *Journal of Advance Zoology*, 44 (S-2):2609-2614. (Scopus Indexed)

Singh RK, Singh AN, Mohan D, Kumar P. 2022. Assessment of Water Quality Dynamics of the Mythological Ponds in Urban Areas. *Shodh Drishti*, 13(12):41-49.

Singh RK, Singh AN, Mohan D, Kumar P. 2022. Assessment of Spatiotemporal Variations in Water Quality of Urban Ponds. *Interdisciplinary Journal of Contemporary Research*. 9(9):21-27.

Kumar A, Roy MB, Singh AN, Mohan D. 2019. Groundwater Analysis With Special Emphasis On Arsenic By Using Multivariate Statistical Technique: A Case Of Ballia District. *IJEP*, 39(4):369-374. (Scopus Indexed)

Singh AN, Shrivastava R, Mohan D, Kumar P. 2018. Assessment of Spatial and Temporal Variations in Water Quality Dynamics of River Ganga in Varanasi. *Pollution*, 4:239-250. (Scopus Indexed)

Singh AN, Shrivastava R, Mohan D, Singh SK, Kumar P. 2017. Studies on Bacterial Species and Physico-Chemical Parameters of Water from River Varuna. *World Journal of Pharmacy and Pharmaceutical Sciences*, 6:1154-1166.

Shukla A, Sinha DP, Bhardwaj DR, **Singh AN**, Kumar P, Singh M. 2017. Genetic Diversity Among Four *Momordica* Species Using Rapd, Ssr And Issr Markers. *Int. J. of Adv. Res.*, 5:1304-1319.

Singh AN, Mohan D, Shukla A, Kumara P. 2017. Trace Metals in Vegetables and Cereals- A Case Study of Indian Market-2016. *Arch Hyg Sci.*, 6:160-170.

Kumar M, Kumar P, Singh AN, Kumar N. 2016. Screening of Indian Medicinal Plants and Their Potentials as Antimicrobial Agents. *Int. J. of Adv. Res.*, 4: 864-871.

Singh A, Khan MMA, Sahu D, Vishwakarma N, Yadav A, **Singh AN**. 2017. Pharmacological and Anti-bacterial Activities of the leaves of *Andrographis paniculata* Nees. *Journal of Pharmacognosy and Phytochemistry*, 6:418-420

Srivastava A, Singh AN, Singh M. 2016. Antibacterial activity of spices against *Vibrio* species isolated from pond water. *Euro. J. Exp. Bio.*, 6:21-25.

Singh P, **Singh AN**, Singh M. 2016. Studying the Cloning and Expression of B-Glucosidase Using Yakult and Strawberry Probiotics as Potential Source of

Bifidbacterium breve. World Journal of Pharmacy and Pharmaceutical Sciences, 5:827-834.

Shukla A, **Singh AN**. 2016. Future Prospects of Gynocious Lines of Bitter Gourd. Vatika from the Seed and Plant People, Independence Issue: 42-46.

Kumar P, **Singh AN**, Shrivastava R, Mohan D. 2015. Assessment of Seasonal Variation in Water Quality Dynamics in River Varuna- A Major Tributary of River Ganga. Int. J. of Adv. Res., 3:1176-1193.

Kumar M, Kumar P, Kumar N, **Singh AN**, Singh LM, Pandey AK, Singh A. 2014. Antimicrobial Activity of *Cedrus deodara Linn.* and *Hemidesmus indicus Linn.* Plants against Clinically Important Micro-organism. AJPCT, 2:952-956.

➤ **Published Microbial Sequence in NCBI Database**

Singh, A. N., Shrivastava, R., D. Mohan, Kumar, P. (2017). Escheria Coli, Strain-ANSI201, Accession No. LC318441

Singh, A. N., Shrivastava, R., D. Mohan, Kumar, P. (2017). Salmonella enterica, Strain-ANSI202, Accession No. LC318442

Singh, A. N., Shrivastava, R., D. Mohan, Kumar, P. (2017). Streptococcus pyogenes, Strain-ANSI203, Accession No. LC318443

Singh, A. N., Shrivastava, R., D. Mohan, Kumar, P. (2017). Shigella dysenteriae, Strain-ANSI204, Accession No. LC318444

Book Chapters ((National/International))

Singh A.N., Kumar P. Mohan D. (2023). Assessment of Seasonal Variations in Water Quality of Mythological Ponds: A Case Study of Varanasi City. In: Singh S.K., Singh S.K., Ojha A., Kumar D. (Eds.), Natural Products and Drug Discovery. **Mahayogi Gorakhnath University, Gorakhpur (ISBN: 978-81-961493-7-6)**

Singh A.N., Kumar P., Singh A. Dasani S. (2023). Ecological Restoration: Concepts and Strategies, In: Srivastava R., Kumar P. (Eds.) Conserving, Halting and Reinstating Degraded Natural Resources During the UN Decade on Ecosystem Restoration. **Nova Science Publishers, USA. (ISBN: ISBN: 979-8-89113-067-8)**

Singh A.N., Kumar P. (2022). Combating the Menace of Indoor Air Pollution for Sustainability. In: Srivastava R. (Eds.) Strategies to Achieve Sustainable

Development Goals (SDGs): A Road Map for Global Development. **Nova Science Publishers, USA. (ISBN: 978-1-68507-836-2)**

Kumari R., Singh J., Mishra B., Tiwari A., Singh A. N. (2020). Cognitive improvement, Neuroprotective and Nootropic Effect of Medhya Rasāyana Drugs in Alzheimer's Disease. In: Bhattacharjee A., Ramakrishna A., Obulesu M. (eds) Phytomedicine and Alzheimer's Disorder. **CRC Press. (eBook ISBN 9780429318429)**

Singh, A. N., Mohan, D., Bhushan, P., Gautam, D., Kumar, P. (2017). Emerging Contaminants –An Concise Overview. Emerging issues in environmental science: concerns and management. New Delhi Publishers, New Delhi-110059 (ISBN-978-93-85503-77-1).

Singh A.N., Gautam D.K., Kumar P., Mohan D. (2017) Impacts Assessment of Municipal Solid Squander Dumping in Riparian Corridor Using Multivariate Statistical Techniques. In: Rakshit A., Abhilash P., Singh H., Ghosh S. (eds) Adaptive Soil Management: From Theory to Practices. **Springer, Singapore. (ISBN 978-981-10-3638-5)**

Tripathi, S.K., Kumar, J. Singh, A.N., Kumar, P., Vishwakarma, S. K. (2015). Real Time Water Quality Monitoring System: An Overview. Environmental & Health Research, Society for Educational Development & Environmental Research Varanasi, India (ISBN-978-81-909022-8-1)

Singh, A.N., Shrivastava, R., Mohan, D. Kumar, P. (2015). Water Quality Assessment for River Varuna- A Major Tributary of River Ganga Using Heavy Metal Pollution Index. Environmental & Health Research, Society for Educational Development & Environmental Research Varanasi, India (ISBN-978-81-909022-8-1)

Vishwakarma, S., Singh, A. N., Kumar, P., Tripathi, S.K. (2015). Food Colors and Food Additives: An Overview. Environmental & Health Research, Society for Educational Development & Environmental Research Varanasi, India (ISBN-978-81-909022-8-1)

Oral/ Posters/Abstract/ Invited Lecture/ Secretary

➤ Paper Presentations

Bioaugmentation of certain Fermented Foods, National Seminar on Recent Advances in the development of Fermented food, April in-8-9,2011, Institute of Agricultural Science BHU

The Impact of Urbanization and Industrialization on Surface Water Quality of River Varuna- A Tributary of River Ganga in Varanasi Region, National Conference on Controlling Environmental Pollution Through Water Conservation

for Sustainable Development, November 26-27, 2011, Mahima Research Foundation and Social Welfare, BHU, Varanasi.

➤ **Invited Lectures**

Emerging Contaminants –An Concise Overview, National Symposium on New Trends in Environmental and Educational Management to be held from 26th to 27th April – 2018 at Department of Biotechnology, Dr. Ghanshyam Singh PG College, Varanasi

➤ **Organizing/joint Secretary/ Member**

Member in Organizing Committee, (15-17 December, 2023) National Conference on Advances and Opportunities in Drug Discovery from Natural Products, Department of Biotechnology, Faculty of Allied Health Sciences, Mahayogi Gorakhnath University in Gorakhpur, U.P., 273007.

Joint Secretary, FAB-HEP 2014 (7-8 February 2014), International Conference on "Future Prospects of Advancements in Biological Sciences, Health Issues & Environmental Protection, Indira Gandhi Pratishthan, Lucknow, Lucknow.

Member in Organizing Committee, EEBRHW-2018 (26-27 March, 2018) International Symposium on Educational Management, Environmental & Biological Research for Human Welfare, Mahamana Hall, Institute of Science, Banaras Hindu University, Varanasi India

Strength: Hard working, optimist and always ready to accept challenges.

| References | |
|--|--|
| Dr. Pankaj Kumar, Professor, Department of Botany, Udai Pratap College (An Autonomous Institution), Varanasi-221002, Mob.No.- +91-9415389260 Email- Pankaj74bhu@gmail.com | Prof. (Dr.) Devendra Mohan, Professor, Department of Civil Engineering, IIT (BHU), Varanasi-221010, Mob. No. - +91-9451173756 Email- devendra.civ@iitbhu.ac.in |

Date: 29.04.2024

Place: Gorakhpur

Abaidya Nath Singh

(Abaidya Nath Singh)