

CURRICULUM VITAE

SHIKHA SINGH

DOB – 30/05/1991

Ph.D. (Environmental Sciences)

Campus Government Girls Polytechnic

Asuran, Gorakhpur, Uttar Pradesh-273006, India

Mobile: +91-9473525164

Email ID: singh.shikha2609@gmail.com



RESEARCH INTERESTS

- Soil Carbon and Nitrogen Dynamics
- Conservation of Natural ecosystems
- Sustainable Agriculture and Food security

ACADEMIC QUALIFICATION

Examination passed	Board/Council/University/Institution	Year of Passing	Subject	Division
Ph.D.	Banaras Hindu University, Varanasi	2024	Environmental Sciences	NA
M. Phil.*	Banaras Hindu University, Varanasi	2016	Environmental Science and Sustainable Development	First
M.Sc.*	Deen Dayal Upadhyay, Gorakhpur University, Gorakhpur	2014	Environmental Science	First
B.Sc.	Mahatma Gandhi P.G. College, Affl. to Deen Dayal Upadhyay Gorakhpur University, Gorakhpur	2012	Botany, Chemistry	First

*Passed with Distinction

ACADEMIC ACHIEVEMENTS

- **First** rank in **M.Phil.** in Environmental Science and Sustainable Development (**2015-16**)
- **First** rank in **M.Sc.** in Environmental Science (**2013-14**)

PUBLICATIONS (6)

- **Singh, S., & Kumari, T.** (2023). Fire and Ecophysiological Response of Tropical Plants. In *Ecophysiology of Tropical Plants*. Taylor & Francis. (Book Chapter)
- **Singh, S., & Yadav, A.** (2021). Interconnecting the environment with economic development of a nation. In *Environmental Sustainability and Economy* (pp. 35-60). Elsevier. (ISBN: 978-0-12-822188-4). (Book Chapter)
- **Singh, S., Singh, R., Mishra, A. K., Upadhyay, S., Singh, H., & Raghubanshi, A. S.** (2018). Ecological perspectives of crop residue retention under the conservation agriculture systems. *Trop Ecol*, 59(4), 589-604. (Opinion Paper)
- Srivastava P, Singh R, Tripathi S, Singh P, **Singh S**, Singh H, Raghubanshi AS, Mishra PK (**2017**) Soil carbon dynamics under changing climate—A research transition from absolute to relative roles of inorganic nitrogen pools and associated microbial processes: A review. *Pedosphere* 27(5): 792–806. (Review Paper)
- Singh R, Srivastava P, Singh P, Bhadouria R, **Singh S**, Singh H, Raghubanshi AS (**2017**) Biochar-residue integrated approach as a conservation agriculture strategy for climate smart farming. *Agricultural Research and Technology* DOI:10.19080/ARTOAJ.2017.06.555693. (**Opinion Paper**)
- Singh R, **Singh S**, Srivastava P, Singh P, Singh H, Raghubanshi AS (**2017**) Overpopulation-food security-agricultural productivity-climate change nexus: challenges for agricultural sustainability. *International Journal on Environmental Sciences* 8: 18-26. (Review Paper)

PROFESSIONAL MEMBERSHIP (1)

Member of International Society of Tropical Ecology (**ISTE**), BHU, Varanasi (since **2016**)

PROFESSIONAL SERVICE

- Peer reviewer for Journal “*Anthropocene Science*” (2024 - Present)
- Peer reviewer for Journal “*Tropical Ecology*” (2020 - Present)

SHORT-TERM COURSE

Participated in short term program “*International Spring School on Environmental Studies, 2018*”, organized at Graduate School of Global Environmental Studies (GSGES), Kyoto University, Japan from **21st February to 14th March, 2018**.

TRAINING & WORKSHOP PARTICIPATION

- Participated in one week online “Hands-On Training Program On Advanced Data Analysis Using SPSS®” organized by the Department of Statistics, University of Lucknow from 15th – 21st July, **2020**
- Paper presentation in the Indo-US Bilateral Workshop on “Water-Food-Energy-Climate Nexus: A Perspective Towards a Sustainable Future” (WFEC-2018) jointly organized by IESD, Banaras Hindu University and University of Nebraska, Lincoln, held on 16th -21st November, **2018**.
- Participated and facilitated in the “*Motivational Science Learning Camp*” jointly organized by Voluntary Institute for Community Applied Science (VICAS) Allahabad and Institute of Environment & Sustainable Development (IESD), Banaras Hindu University, Varanasi, from 9th – 13th January, and 27th Feb-03rd March, **2017**
- Participated in training on “*Disaster Risk reduction & Climate Change Mitigation*”, at Mahatma Gandhi P.G. College, Gorakhpur, organized by Gorakhpur Environmental Action Group (**GEAG**) in joint collaboration with National Institute for Disaster Management (**NIDM**), Institute for Social & Environment Transition (**ISSET**) & District Disaster Management Authority (**DDMA**), Gorakhpur from 13th -15th September, **2013**
- Participated in a training program and one-week special campaign organized by “**National Service Scheme unit**” of Mahatma Gandhi P.G. College, Gorakhpur, from 7th –14th December, **2012**
- One month training program entitled “*Fundamental training in Microbiology and Biotechnology*” from Department of Botany, Mahatma Gandhi P.G. College, D.D.U. Gorakhpur University, U.P, India from 12th September to 13th October, **2011**

SEMINARS AND CONFERENCES

- Participated in International Conference on “Air Pollution & Health in India: Current Challenges and Way Forward”, jointly organized by Department of Psychology and IESD, Banaras Hindu University in collaboration with Brunel University London, held on 11th February, **2020**.
- Paper presentation in the International Conference on “Sustainable Agriculture Development in Changing Global Scenario” jointly organized by IESD, Banaras Hindu University and Royal Association for Science-Led Socio-Cultural Advancement (RASSA), held on 11th-13th October, **2019**.

- Oral presentation in the National Symposium on Advances in Biology of Algae and Cyanobacteria (ABAC), 2018, organized by Institute of Science, Seminar Complex, Banaras Hindu University, Varanasi held between 8th - 9th February, **2018**
- Paper presentation in the National Seminar on Water and Soil Management for Agriculture & Livelihood Security under Climate Change jointly organized by Sunbeam College for Women, Varanasi, & ICAR- Indian Institute of Vegetable Research, Varanasi, held on 8-9th September, **2017**.
- Paper presentation in the National Conference on “Emerging Scenarios of Ganga, River Development & Water Resource Management” jointly organized by Mahamana Malaviya Research Centre for Ganga, River Development & Water Resource Management & IESD, Banaras Hindu University, held on 28th Feb to 1st March, **2017**.
- Participated in 3rd National Workshop on Research Methodology & Statistical Analysis using IBM SPSS 20/22.00 organized at Institute of Management Studies, Banaras Hindu University from 14th - 20th March, **2016**.
- Participated in 3rd Graduate Seminar on Environment and Sustainable Development at IESD, Banaras Hindu University, Varanasi, India, held on 26th-27th May, **2016**.
- Poster presentation in National Conference for Environmental Sustainability: Challenges & Perspectives (MSRES-2016) organized by IESD, Banaras Hindu University, held on 9th-10th December, **2016**.
- Paper presentation in International Conference, Harmony-2013 on Harmony with nature in context of ecotechnological intervention and climate change jointly organized by Department of Zoology, Environmental Science & Biotechnology, D.D.U. Gorakhpur University, Gorakhpur & National Environmentalists Association, Ranchi, India, held on 11th - 13th November, **2013**.

REFERENCES