BRIEF BIO-DATA OF Dr. AMIT TIWARI

NAME : Dr. AMIT TIWARI

FATHER NAME : Mr. V.K. TIWARI

ADDRESS : 86/421, Deonagar, Kanpur
Uttar Pradesh, INDIA, Pin- 208003
Mob. 6393298458

QUALIFICATION : M.Sc., Ph.D. (Botany)

DESIGNATION : Assistant Professor, Botany
Department of Botany, D.B.S. P.G. College,
CSJM University, Kanpur, INDIA

TEACHING EXPERIENCE : Graduate and Post- graduate Teaching Since 2008 onwards.

MEMBERSHIP OF SCIENTIFIC SOCIETY

- Life member - The International Association for Ecology, Osnabrueck, Germany.
- Life member - Ocean Future Society, CA, U.S.A.
- Ex. Member- Society of Wetland Scientists, Middleton, Wisconsin, U.S.A.
  (Awarded- Gratis Membership Award)
- Life member - Indian Science Congress Association, India.
- Life member – The Indian Botanical Society, India.

COUNTRY VISITED

- Quebec City, CANADA

AREA OF RESEARCH WORK

- Wetlands Bio-diversity, Restoration and Survival
- Utilization of hydrophytes as a source of subsidiary protein food.
- Studies on growth and metabolism of Duck weeds.
- Studies on effect of naturally occurring growth substances; their physiological and morpho-anatomical crop responses; growth development and yield of certain crop plants.

COURSES ATTENDED

1. “Wetland Management” Ducks Unlimited Canada, Quebec City, Canada, August 2000.
2. Faculty Training, “Motivation and Adoption of Schools and Colleges Programme.” CSIR-National Botanical Research Institute, Lucknow, November 2015.

3. Faculty Training, “Motivation and Adoption of Schools and Colleges Programme.” CSIR-National Botanical Research Institute, Lucknow, January 2017.
4. Faculty Training, “Motivation and Adoption of Schools and Colleges Programme.” CSIR-National Botanical Research Institute, Lucknow, January 2018.
5. Training Workshop on “Biodiversity Concervation”, Wildlife Institute of India, Dehradoon, India, November 2019.
6. Training Workshop on “Climate changes : Challenges and Response”, Center for Disaster Management, Lal Bahadur Shastri National Academy of Administration, Mussoorie (LBSNAA), December, 2020.
7. Training Workshop on “Planning and Management for Aquatic species conservation and Maintenance of Ecosystem Services in Ganga River Basin”, Wildlife Institute of India, March 2021.
8. Training Workshop on “Natural Resource and Environment Management”, Indian institute of Forest Management, Bhopal, India, January 2022.
9. Training Workshop on “Cycad Biology”, CSIR-NBRI, Lucknow, India, December 2022.
10. Training workshop on “ Molecular strategies for heterologous gene expression and protein purification”, ICAR-Indian Institute of Pulses Research, March-2025

Organize Workshop/Seminar

Wetland Biodiversity : Restoration and Survival, (2016)

Sponsored by- Wetland International, South Asia and Forest and Wildlife department, Uttar Pradesh, India.

Book Published

1. Advances in Plant Science, **ISBN: 978- 620-5-49854-5,** Published by Lambert Academic Publishing , Republic of Maldova, EU, **https://acrobat.adobe.com/id/urn:aaid:sc:AP:1c5dc946-759f-4ac9-9cbb-483dd96ea601**
2. Advances in Biosciences, **ISBN: 978 – 81- 948583 – 0 – 0,** Published by Anusandhan Prakashan, India, **https://acrobat.adobe.com/id/urn:aaid:sc:AP:f60e9776-6eba-4842-9d6d-313132465d25**
3. Suchmajaiviki avum Padap Rog vigyan (Hindi Edition), **ISBN:978-81 -948583 -7-9,** Published by Anusandhan Prakashan, India. **https://acrobat.adobe.com/id/urn:aaid:sc:AP:39c81793-0f0c-4036-b4cb-cb97c1fc56ec**

International Conference

1. **Tiwari, A. (2000)**- Duckweeds in landscapes of Kanpur, India. Quebec 2000: Millennium Wetland Event. Quebec, Canada: **192**
2. **Tiwari A and A.C. Shukla (2000)**- Algae and fungi of Panki, India: landscape protection. Quebec 2000: Millennium Wetland Event. Quebec, Canada: **291**

3. **Vinayak, R. and Amit Tiwari (2000)-** Commonality and contrasts of algal ecosystems of Allen Forest, Kanpur, India. Quebec 2000: Millennium Wetland Event. Quebec Canada: **291**
4. **Tiwari, A. (2002)**- Mapping Wetlands Interalia significance. 23rd Annual Conference on Wetland Linkages: A Watershed Approach, Lake Placid Resort, NY, U.S.A.: **160**
5. **Tiwari, A. (2011)**- Duckweed and their Utilization on Productivity of lentil and its Agricultural and Sociological value. XVIII International Botanical Congress 2011, Melbourne, Australia.
6. **Tiwari, A. (2011)**- Morpho-Anatomical Response of lentil plant to presoaking seed Treatment with Wolffia arrhiza extracts. XVIII International Botanical Congress 2011, Melbourne, Australia.
7. **Tiwari, A. (2017)**- Utilization of Wolffia arrhiza extracts for improvement of dry weight and number of nodules in lentil crop. XIX International Botanical Congress. 23-29 July 2017, Shenzhen, China: **489**

International Seminar

1. **North American Wetlands Restoration and conservation.** Quebec 2000: Millennium Wetland Event. Quebec, Canada.
2. **Tiwari, A. (2003)**- Utility of Wolffia arrhiza Extracts on vegetative growth of lentil. Natural Resources Management. 6-7 November 2003, Biratnagar, Nepal.
3. **Tiwari, A. and Neeraj Shukla (2007)**- Effect of 12 hours pre-Soaking seeds with Wolffia arrhiza extracts on growth and yield of lentil (Lens Culinaris medikus). Sustainable Use of Biological Resources, 22-23 April 2007, Pokhra, Nepal.
4. **Shukla, N. and Amit Tiwari (2007)**- Abundance of Navicula in Pandu river. Sustainable use of Biological Resources, 22-23 April 2007, Pokhra, Nepla.

National Conference

1. **Shukla, N. and Amit Tiwari (2007)**- Algal Flora and pollution load of river pandu- water at Bingawan, A sample survey. Indian Science Congress **Proc. 94**-Plant environment science Session, 3-7 January 2007, Annamalainagor, Chidambaram, Tamilnadu.

2. **Semwal, I.M., Amit Tiwari and Atul Kumar Singh (2009)**- Effect of thermal power ash on productivity of wheat crop around the Panki thermal power station, Panki (U.P.). National Symposium on Achieving Millennium Development Goals: Problems & Prospects, 25-26 October, 2009.

National Seminar

1. **Tiwai, A., Shukla, N. and Narendra Mohan (2006)**- Qualitative, Quantitative periodicity and Succession Algae at Panki of River Pandu Water. Emerging Trends in Plant Sciences: Biodiversity, Biotechnology and Environment, October 2006, Gwalior (M.P.), India.
2. **Tiwari, A., Tiwari, U. and Atul Singh (2009)**-Impact of Tannery effluent on growth behaviour of wheat (Tirticum vulgare L.) seedling. National Seminar on the Environmental Science and Engineering, January 2009, Kanpur (U.P)
3. **Singh, S.P. Shukla, J.P. and Amit Tiwari (2009)**- Effect of Thermal Power Emission on growth and Biochemical Content on wheat crop. National Seminar on the Environmental science and Enginearing, January 2009, Kanpur (U.P.), India.
4. **Tiwari, A., Tiwari, U. , Singh, A. and J.P. Shukla (2009)**- Security of Wetlands and its Agricultural and Socio-Economical Significance. Environment Degradation and Biodiversity: Problems and Prospects, November 2009, Kanpur: **113**.
5. **Pandey, S.K., Tiwari, A. and Gyan Prakash (2009)**- Effect of Nutrient Media on the Production and herbicidal Efficiency of A. alternata Environmental Degradation and Biodiversity: Problems and Prospects, November 2009, Kanpur: **45**
6. **Tiwari, A. and Anupum Dubey (2010)**- Need Public Awareness and Commitment to protecting Wetlands. New Advances in Biology: Solutions to Environment and Agricultural Problems, January 2010, Kanpur: **108**.
7. **Pandey, S.K. and Amit Tiwari (2011)**- Integrated waste Management: An Approach for Sustainable Development. Changing Environment: Present Scenario and its conservation, December 2011, Kanpur: **41-43**.
8. **Semwal, I.M., Tiwari, A., Singh, A.K. and S.K. Pandey (2011)**- Biological Significance of water fern Azolla pinnata for Agriculture of Lentil Crop. Changing Environment: Present Scenario and its Conservation, December 2011, Kanpur: **57-59**
9. **Tiwari, A. (2011)**- On Biological productivity of waste water and its agricultural Use. Changing Environment: Present Scenario and its Conservation, December 2011, Kanpur: **135**.
10. **Tiwari, A., Tiwari, U. and J.P. Shukla (2011)**- Global hunger problem- A case study around Panki power station, Panki, Kanpur. Changing Environment: Present Scenario and its Conservation, December 2011, Kanpur: **172**
11. **Tiwari, A. Semwal, I.M. and A.K. Singh (2012)**- Utilization of Tannery Effluent on Growth of Wheat crop. Environment crisis and society: A Sustainable Approach, January 2012, Fatehpur: **29**
12. **Tiwari, A. and Atul Singh (2014)**- Impact of Thermal Power Emission on Anatomical feature's in Wheat crop. Impact of Modern Agriculture on Environment, February 2014, Kanpur: **50**

Research Journal

1. Archana Agnihotri, Amit Tiwari and Piyush Mishra (2025) " Anti-fungal activities of soybean leaf surface fungal diffusates and spores against *Alternaria alternata* the causal agent of leaf spots". Journal Of Food Legumes. Vol. 38(4): 98-00,2025, ISSN: 0976-2434.**(SCOPUS INDEX)** DOI: **10.53550/jfl.v38.i4.309**

2. Piyush Mishra, Nitesh Kumar Singh, Sunil Kumar Singh, Alka Kushwaha, Vinod Kumar Dubey, Gyan Prakash Gupta, Vijai Kumar Singh, Archana Agnihotri and Amit Tiwari (2025) " Heavy metal remediation using arbuscular mycorrhizal fungi: A green approach to soil detoxification" . Biochemical and Cellular Archives. Vol. **25**, No. **1**, April 2025, ISSN: 0972- 5075.**(WEB OF SCIENCE INDEX**) DOI: 10.51470/BCA.2025.25.1.1169.

3. Amit Tiwari, Archana Agnihotri and Piyush Mishra(2025) Studies on Effect of Natural Products of Wolffia arrhiza on Mass Production of Rajmash (Phaseolus vulgaris L.) Journal of Indian Botanical Society. ISSN: 0019-4468, Vol. **105**, **(UGC CARE LISTED)** DOI: **https://10.61289/jibs2025.12.10.0122.**

4. Tiwari, A. Piyush Mishra2*, Archana Agnihotri3 , Gyan Prakash Gupta4 , Ashish Tejasvi5 and Nitesh Kumar Singh6 (2024) Utilization of natural product for improvement of productivity of Lentil crop. *Afr. J. Biomed. Res. Vol. 27(3s) (November 2024); 5725-5730* ***(SCOPUS INDEX)***DOI:**https://doi.org/10.53555/AJBR.v27i3S.3409.**

5. Nitesh Kumar Singh, Piyush Mishra, Amit Tiwari, Sunil Kumar Singh, Alka Kushwaha, Vinod Kumar Dubey, Gyan Prakash Gupta, and Archana Agnihotri (2024) Evaluation of Antifungal Efficacy of Secondary Metabolites from Ocimum sanctum and Mentha spicata Against Microsporum and Trichophyton species. Biochemical and Cellular Archives. Vol. **24**, Suppl. - **1**, December - 2024, ISSN: 0972- 5075. **(WEB OF SCIENCE INDEX)** DOI: **https://doi.org/10.51470/bca.2024.24.1-s-4037.**

6. Tiwari, A., Agnihotri, Archana., and Renu Agnihotri. (2023) Impact of Phytohormone on juvenile seedling growth of *Lens culinaris L.***Vol:31(2), 2023, ISSN:0971-3573, https//doi.org/10.5958/0974-0163.2023.00028.9.**

7. Tiwari, A. (2021) Application of Duckweed on growth and development of Lentil seedlings . Indian Journal of Scientific Research.**12(01):111-114. ISSN: 0976 -2876,https//doi.org/10.32606/ijsr.v12.11.00020.**

8. Tiwari, A. (2021) Utilization of Hydrophyte growth promoting substances and its consequence on N.P.K. contents in Lentil leaves. The Journal of the Indian Botanical Society . **101(1&2) :97- 102. https//doi.org/10.5958/2455-7218.2021.00010.3, ISSN:0019-4468, (UGC Care LISTED)**

https://www.indianjournals.com/ijor.aspx?target=ijor:jibs&volume=101&issue=1and2&article=011

9. Tiwari, A. (2020) Impact of Wolffia arrhiza extracts on growth behavior of RajmashPlant. Indian journal of Scientific Research.**11(02):131-134. ISSN: 0976- 2876, https//doi.org/10.32606/ijsr.v11.12.00023.**

10. Tiwari, A. (2002) Duckweeds in Landscapes of Kanpur, India, Res. J.Pl. Evniron. **18:57 - 60. ISSN: 0970-3845**

Book Chapter

1. **Piyush Mishra, Amit Tiwari, Vinod Kumar Dubey, Alka Kushwaha, Sunil Kumar Singh, Vijay Kumar Singh and Nitesh Kumar Singh (2024)** Arbuscular Mycorrhizal Fungi (AMF): A Natural Tool for Phytoremediation of Heavy Metals (HMs). **ISBN:978-3-031-60760-8, eISBN: 978-3-031-**

60761-5. Phyto-remediation Biological Treatment of Environmental Pollution. Published by **Springer Nature**, Switzerland**, https://doi.org/10.1007/978-3-031-60761-5-11.**

2. **Tiwari A., Mishra P., Agnihotri A., (2023)**, Sustainable agricultural approach in Rajmash plant productivity. Perspective of Environmental Sciences. **ISBN: 978-81-959099-0-2https://acrobat.adobe.com/id/urn:aaid:sc:AP:4d7def62-7a8c-473e-8afc-6aaf588fb4b5.**

3. **Agnihotri, Archana., Ranu Agnihotri and Amit Tiwari (2022)** Seasonal variation in the soil myco-flora of *Sorghum vulgare* .Advances in Plant Science.**ISBN: 978- 620 -5-49854-5, https://acrobat.adobe.com/id/urn:aaid:sc:AP:03eaae72-d91f-4960-9500-31fb7980a128.**

4. **Tiwari, A. (2022)** Impact of duckweed extract on protein rich husk and seed of Lentil. Advances in Plant Science. **ISBN: 978 -620-5-49854-5, https://acrobat.adobe.com/id/urn:aaid:sc:AP:04ec2a8e-3449-4453-863b-176c920f1ba8.**

5. **Tiwari, A. (2021)** Studies on Boost Emergence Hormones and its Impact on Prod-ductivity and Protein Contents of Lentil seeds. Advances in Biosciences. **ISBN:**

   978-81- 948583- 0- 0-979, **https://acrobat.adobe.com/id/urn:aaid:sc:AP:267e556d- c72d-457b-9d99-d268c13f32ec.**