

Contact information

Dr. Mohd Kashif Kidwai

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Dr. Mohd Kashif Kidwai

Associate Professor,

Department of Energy and Environmental Sciences .

Qualification

Degree	University	Year
Ph.D. (Environmental Sciences)	University of Lucknow and National Botanical Research Institute (CSIR), Lucknow	2008
M.Sc. (Environmental Sciences)	University of Lucknow	2003
B.Sc. (Botany, Zoology and Chemistry)	University of Lucknow	2001

(UGC)-NET	Qualified UGC (University Grants Commission) N.E.T (National Eligibility Test), eligible for lectureship in the stream of Environmental Sciences in 2003.
(ICAR)-NET	Qualified ICAR (Indian Council of Agriculture Research) N.E.T (National Eligibility Test), eligible for lectureship in the stream of Environmental Sciences in 2004.

Teaching Experience

Teaching experience of more than fourteen years, teaching various theoretical and practical subjects and courses in different programmes of Environmental Sciences i.e. M.Sc, M.Phil and Ph.D.

Research Experience

- Worked as **Project Assistant** in Plant Pathology Division at National Botanical Research Institute NBRI(C.S.I.R.), Lucknow under the Projects entitled (1) “ Quality Control & production of Biofungicides and Biofertilizers” funded by world bank and sponsored by Department of Agriculture, Govt. of Uttar Pradesh and in project entitled (2) “Quality production of soybean by application of *Trichoderma* species” funded by World bank and T.M.O.P.& M., Both projects comprise time period of more than three years and nine months. During the tenure as project assistant demonstrated commercial production of *Trichoderma* species based biofungicides and the assessment of quality control parameters, setting up of multi-locational field trials in Madhya Pradesh and Uttar Pradesh.
- More than fourteen years, guiding and supervising M.Sc, M.Phil and Ph.D. students of Environmental Sciences.

Administrative Experience

- Chairperson, Department of Botany, CDLU, Sirsa.
- Director, Youth Welfare, CDLU, Sirsa.
- Coordinator, Internal Quality Assurance Cell (IQAC), CDLU, Sirsa.
- Incharge, Department of Botany, CDLU, Sirsa.
- Incharge SC/ST Computer Lab at C.V. Raman Bhawan, CDLU, Sirsa.

Research Area

- Toxicology.
- Water Monitoring.
- Environmental Microbiology.
- Biofungicide.
- Agrowaste management.

Publications

Research Papers

- Sajnu Bala Dhull, **Mohd. Kashif Kidwai**, Rashed Noor, Prince Chawla and Pawan Kumar Rose. (2021). A review of nutritional profile and processing of faba bean (*Vicia faba* L.). Legume Science. e129.

- Sneh Punia, Kawaljit Singh Sandhu, Sajnu Bala Dhull, Anil Kumar Siroha, Sukhvinder Singh Purewal, Maninder Kaur, **Mohd. Kashif Kidwai** (2020). Oat starch: Physicochemical, morphological, rheological characteristics and its application - A review, *International Journal of Biological Macromolecules*, Elsevier/USA.
- Sajnu Bala Dhull, SnehPunia, **Mohd. Kashif Kidwai**, Maninder Kaur, Prince Chawla, Sukhvinder Singh Purewal, Monika Sangwan, Ritu Palthania (2020). Solid state fermentation of lentil (*Lens culinaris* L.) with *Aspergillus awamori*: effect on phenolic compounds, mineral content and their bioavailability. *Legume science*, Wiley
- Kamlesh and **Mohd. Kashif Kidwai** (2018). Review on chemical and biological aspects of hardness in water. *Indian Journal of Environmental Sciences*. 22(1), 1-15. ISSN: 0971-8958.
- Monika and **Kidwai M. K.** 2017. Effect of mancozeb on mustard (*Brassica juncea* L.): An Invitro study. *Tropical Plant Research*. 4 (1) 55-61. DOI: 10.22271/tpr.2017.v4.i1.008.
- Kamlesh and **Kidwai M K.** 2016. Study of effect of suger mill effluent on fenugreek (*Trigonella foenum-graecum*) varieties. *International Journal of Envorinment, Agriculture and Biotechnology*. 1 (4): 844-852
- Seema and **Mohd. Kashif Kidwai** 2016 Suitability assessment of drinking water with special attention toward fluoride of five block of district Fatehabad Haryana India. *Journal of Advance studies in Agriculture, biological and environmental sciences*. 3(4) 1-11. ISSN: 2455-0221.
- Shaheen Khan, Mohd. M. A. Khan and **M. K. Kidwai**. 2011 "Economic Values of Sustainable Agriculture and Genetically Modified Cotton Crop in Sirsa (Haryana)", *KautilyaHar. Eco. Jr.* pp- 15-20, Vol.-1 (II) 2011, ISSN 2249-2879.
- **Kidwai. M.K.**, Vikas, Shishirsrivastav and Singh, H.B. 2007 Compatability of *Trichoderma harzianum* to selected Insecticides; *Journal of Eco-friendly Agriculture* 2 (2).
- **Kidwai. M.K.**, Vikas, Shishirsrivastav and Singh, H.B. 2006 Compatability of *Trichoderma harzianum* to selected fungicides; *Journal of Eco-friendly Agriculture* 1(2).

- **Kidwai. M.K.**, Srivastav S. and Singh, H.B. 2006. Selection of chickpea rhizosphere competent *Trichoderma harzianum* antagonistic to *Fusarium oxysporium* f.sp. ciceri. *Farm Science journal* 15(1): 35-37.

Book Chapter

- Mohd Kashif Kidwai and Sanju Bala Dhull. 2021. Heavy metal induced stress and metabolic responses in fenugreek (*Trigonella foenum-graceum* L.) Plants. In: Naeem M, Aftab T., Khan M. M. A. et al. (Eds) Fenugreek. **Springer**, Singapore.
- Sanju Bala Dhull., Ankita Chandak, Pooja Bamal, Anju Malik, Mohd Kashif Kidwai. 2021. Fenugreek (*Trigonella foenum-graceum* L.): Nutritional, Health Properties and food uses. In: Naeem M, Aftab T., Khan M. M. A. et al. (Eds) Fenugreek. **Springer**, Singapore.
- Grover N, Nehra M. Kidwai M. K. 2021 Antioxidants. In: Manju Nehra, V. Nain, R. Thory (Eds) Principles of biochemistry. Chapter 10, 259-267
- Kidwai M K, Nain V, Amanjyoti, Grover N, Kamboj A. 2021 Enzymes. In: Manju Nehra, V. Nain, R. Thory (Eds) Principles of biochemistry.. Chapter 7, 165-208
- Kidwai Mohammad Kashif, Singh Ajay, Malik Tanu, Dhull Sanju Bala, Punia Sneh 2020. Essential Fatty Acid Bioavailability A Dietary Perspective. In: Sanju Bala Dhull, Sneh Punia, Kawaljit Singh Sandhu (Eds). **CRC** <https://doi.org/10.1201/9780429321115>.
- Kidwai M. K. and Seema. 2020. Role of social media in spreading environmental awareness. In: Social Media Divergent Paradigms. Edited by S. S. Bajwa. Chapter 5, 36-51.
- Bajwa K, Bajwa S. S., Kidwai M. K. 2020. The role of mass media in environmental crisis and ecological sustainability. In: Social Media Divergent Paradigms. Edited by S S Bajwa. Chapter 10, 92-103.
- Pooja, Siroha A, Beniwal V, Nehra M , Kidwai M K. 2019. Dietary fibers and health importance. In: Miraculous Food World. Manju Nehra, Vikas, Aman Jyoti. (eds). 142-156.
- Nehra M., Sharma A. and Kidwai M. K. 2019. Antioxidant potency of fruits and vegetable wastes in edible oil. Miraculous Food World. Manju Nehra, Vikas, Aman Jyoti. (eds). 111-119.

- Kidwai M. K., Nehra M. (2017) Biotechnological Applications of *Trichoderma* species for Environmental and Food Security. In: Gahlawat S., Salar R., Siwach P., Duhan J., Kumar S., Kaur P. (eds) Plant Biotechnology: Recent Advancements and Developments. **Springer**, Singapore.
- Vashisht U., Ali. V., **Kidwai M. K.** & Kaushal J. **2012** Preparation of U.V. resistant and flame retardant environmentally friendly Coatings. Energy water waste nexus for environmental management. Narosa publications.
- Manisha, Vashisht U., Ali V, **Kidwai M. K.** & Chaudhary S. **2012**. Formation of light weight polyurethane foam based on vegetable oil used for ideal painting medium for green environment. Energy water waste nexus for environmental management. Narosa Publications, New Delhi.

BOOK

- “Energy water waste Nexus for Environmental Management”, 2012. Eds: Rani Devi, **Mohd. Kashif Kidwai**, P. K. Rose and A. K. Saran. Narosa Publishing House Pvt Ltd. ISBN – 978-81-8487-206-4.

Research Guidance

Ph. D students

S.No	Name of student	Status	Year
1	Ms. Seema	Awarded	2018
2	Ms. Kamlesh	Awarded	2018
3	Ms. Monika	Awarded	2018
4	Mr. Ravinder Kumar	Pursuing	-----

M. Phil students

S.No	Name of student	Status	Year
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1	Annu	Awarded	2010
2	Seema	Awarded	2010
3	SunitaPunia	Awarded	2014

M.Sc. students

Several students were supervised for their major project in M.Sc. Environmental sciences program.

Peer recognition

- Member, Editorial board, “Journal of Chemistry, Environmental Sciences and its applications”.
- Reviewer, Plant Science Today Journal.
- Reviewer , Journal of Air and Waste management Association
- Former member, Editorial board, University magazine “ZENITH”, Chaudhary Devlal University, Sirsa.

Invited talks

- Delivered an online invited talk on “Say no to plastic: Think`, Act and Save” at M. M. P. G. College Fatehabad on 11th Feb, 2021.
- Delivered an invited talk on “Occupational Health hazards” in National seminar on “Environmental Issues: Impact control and Challenges” sponsored by D.G.H.E Haryana at M. M. P. G. College Fatehabad on 10th, March, 2021.
- Delivered an invited talk entitled “Environmental Challenges” in National conference on futuristic environmental challenges (FEC-2017) sponsored by Maharaja Ranjit Singh Punjab Technical University, Bhatinda at Bharat Group of Colleges, Sardulgarh on 16th Feb, 2017.
- Delivered an invited talk on “Environmental Health and Issues” in National seminar on “Environmental health and issues” sponsored by D.G.H.E, Haryana at C.M.K. degree college on, 2016.

- Delivered expert talk on D.D. Hisar on the topic entitled “**Significance of Biodiversity**” on 27/2/12.