

**Objective**

To join an organization which will help in the development, knowledge, experience and skills in the field of science and which will also inculcate problem solving abilities.

**Ph.D**

Ph.D in Botany, Title “*Effect of heavy metals on plant growth and Biomass: physiological and biochemical characteristics in crop plants*” from University of Lucknow, Lucknow India.

**M. Sc. Plant Science**

- Master of Science in Plant Science from University of Lucknow, Lucknow.

**B.Sc. Botany-Chemistry**

- Bachelor of Science in Botany-Chemistry from Islamia Degree College under University of Lucknow, Lucknow

**Intermediate**

- Passed Senior Secondary (12<sup>th</sup>) with science subject.

**Matric**

- Passed Higher Secondary (10<sup>th</sup>) with science subject.

**Professional Qualification**

- Post Graduate Diploma in Computer Application from University of Lucknow, Lucknow.
- Course on Computer Concepts (CCC) from National Institute of Electronic and Information Technology (NIELIT), Government of India.

**Additional Qualification**

- Higher Secondary (10<sup>th</sup>) with Urdu subject from UP Board Allahabad.

- Senior Secondary (12<sup>th</sup>) with Urdu subject from UP Board Allahabad.

**Additional Participation**

- Active participation in NSS Camp.
- Active participation in Scout and Guide Camp.
- Active participation in admission counseling, Integral University.
- Active participation in departmental website work, Integral university.

**Strengths**

- Abilities to learn new things
- Punctual,
- Hardworking
- Excellent communication skill

**Research papers/ Chapters/Book**

1. **Shahida Hamid**, and Munna Singh. The Impact of Cadmium on Seed germination, seedling growth and antioxidant enzymes in Pea (*Pisum sativum* sp.). **International Journal of Engineering and Managrment Research**, Page Number: 486-492; Vol.-5, Issue-3, June-2015.
2. **Shahida Hamid**, and Munna Singh. Toxicity of Cadmium on Seed germination, plant growth and Antioxidant Enzymes in Pea (*Pisum sativum* sp.). **Journal of Chemical, Biological and Physical Sciences. Section D**; Vol. 5, No.4; 4719-4726; August 2015-October 2015.
3. Dildar Husain, **Shahida Hamid**, and Izharul Haq. Effect of cadmium metal in germinating seedlings of *Pisum sativum* L: modeling of morpho-physiological traits, *Journal of Biotech. and Crop Science*; Vol. No. 15; 61-70; Jan 2022.
4. Syed Khalida, Madeeha Zaidi, **Shahida Hamid** and Uzma Afaq. Restoration of contaminated agricultural soils by microbes in book entitle "Synergistic Approaches for Bioremediation of Environmental Pollutants: Recent Advances and Challenges" by Elsevier, 2022.
5. Madeeha Zaidi, Syed Khalida Izhar, **Shahida Hamid**, Jahanarah Khatoon, Uzma Afaq Bioactive compounds and health effects of *Psidium guajava* Linnaeus., 2022. (Chapter published)
6. **Shahida Hamid**, Uzma Afaq, Arshi siddiqui, Jahanarah Khatoon, Tabrez Faruqui, Preeti Bajpai. Evaluation of free radicals scavenging activity of different extracts of *Grewia asiatica* L., 2022. (Chapter published)
7. Arshi Siddiqui, Shaizee, Shabroz Alam, **Shahida Hamid**, Preeti Bajpai. Elucidating therapeutical potential of methanolic extract of *Moringa oleifera* on rodent glioblastoma cells, 2022. (Chapter published)
8. Jahanarha Khatoon, Seema Maurya, Farina Mujeeb, Uzma Afaq, **Shahida H.amid**: Isolation and characterization of secondary metabolites from fungi, 2022 (Chapter published).

9. **Shahida Hamid** , Kishan Verma and Munna Singh. Effect of Heavy metals on plant growth: biomass and physiological and biochemical characteristics of crop plants, 2023. (Book communicated).
10. **Shahida Hamid**, Kishan Verma, Dildar Hussain, Uzma Afaq and Muuna Singh Physiological and ultra-structural changes in crops induced by heavy metal stress, 2024.(paper Communicated).
11. Durdana Yasin, Taiba Saeed Neha Sami, Tasneem Fatma, **Shahida Hamid**. Occurrence, Chemical structure and Biosynthesis of Hydrogen Peroxide in Plants, 2025. ( Chapter published).

**Abstracts / Posters Presentation in Conferences /Symposium/ oral presentation / Participation**

1. **Participated** in one day **International Symposium** on “Artificial Intelligence in Biological Sciences: Recent Trends”, 23<sup>rd</sup> April 2024, Integral University.
2. **Participated** in One day International Seminar on Application of Microbes in Synthetic Biology and Allied Sciences 18<sup>th</sup> September 2023, Integral University.
3. **Participated INDO-UZBEK** International Conference on Trends & Innovation in Food Technology from 24-25 November 2022, Integral University.
4. **Participated DST-STUTI** program on “Advanced Molecular Biology Techniques” from 1<sup>st</sup> – 7<sup>th</sup> December 2022, Integral University.
5. Participated in Awareness Cum counselling session on “All India Cadre Safe Food Business Professional Cadre of 2022, 18<sup>th</sup> June 2022, Integral University.
6. **Shahida Hamid** and Dildar Husain. Impact of Heavy metals on Barley and their Improvement. **5th International Conference 2022, Jaipur National University.**
7. **Participated DST–SERB workshop** on Nano-And Micro-Formulations as Drug Delivery System from 9<sup>th</sup> -10<sup>th</sup> March 2021, Integral University.
8. **Participated** in MOOCs and Swaym NPTEL Awareness workshop, 29 January, 2022, Integral University.
9. **Participated** in Two-week blended QIP workshop on Spreadsheet Applications - Intermediate level from 25-06-2021 to 15-07-2021 2021, Integral University.
10. **Participated** in One Week National Webinar on Industry4.0 and Internet of Things (I4 IoT) from July 26, 2021 to July 30, 2021, Integral University.
11. **Participated** in One day workshop on Bioreactor and its scale up strategies, 26th July 2021, Integral University.
12. **Participated** in Two weeks Professional Development program (PDP) on “New Trends & advancements in Bioengineering “from 15-11-2021 to 29-11-2021, Integral University.
13. **Participated** in Two weeks Professional Development program (PDP) on “Future prospects of Molecular Technologies in Biological Research from 23-11-2021 to 08-12-2021, Integral University.
14. Participated in National Seminar on Combating Air Pollution. 22-23; January, 2016 Lucknow U.P.

15. Participated in **National Seminar on Himalayan Devastation and Eco-Balancing. 31 August, 2013, Lucknow U.P.**
16. **Shahida Hamid**, Sanjay Kumar, Krishan K. Verma and Munna Singh. Influences of seed germination, photosynthetic pigment and antioxidant enzymes on *Zea mays* L. under cadmium stress. *100th Indian Science Congress, 3-7th Jan, 2013, Kolkata.*
17. Sanjay Kumar, Alka Singh, Krishan K. Verma, **Shahida Hamid** and Munna Singh. Photosynthetic CO<sub>2</sub> assimilation and biomass yield of *Gossypium sp.* towards the graded soil water content up to flooding. *100th Indian Science Congress, 3-7th Jan, 2013, Kolkata.*
18. Participated in **National Seminar on Role of Bio Sciences to Save Environment. 6-7 October, 2012, Bahraich U.P.**
19. **Shahida Hamid**, Sanjay Kumar and Munna Singh. The impact of Cadmium on Seed germination, Seedling growth and Antioxidant enzymes in pea (*Pisum sativum* sp.) **Indian Science Congress 2011, Chennai.**
20. S.Kumar, K.K.Verma, **S. Hamid**, P. Verma and M. Singh. Influence of graded flooding on morphological, physiological and Biochemical characters in *Gossypium*. National Conference on Climate Change and Biodiversity. **21-22 Jan, 2011, Gorakhpur U.P.**
21. **Shahida Hamid**, Sanjay Kumar, Munna Singh and Dinesh Kumar. Cadmium induced changes on seed germination, early seedling growth and antioxidant enzymes in Maize (*Zea mays* L.) **RBSA 2010, Jhansi U.P.**
22. **Shahida Hamid**, Shiv S. Yadav and Y.K. Sharma. Nutrient Based Management of Tannery Effluent for Irrigation. **National Conference on Environment Management 2008, Jaunpur U.P.**

### **Job and Experience**

- Working as a Senior Lab Instructor in Integral University, Lucknow.
- Teach theory papers in B.Sc. ZBC and Life Science classes in Integral University.
- Worked as a lecturer in Karamat Husain Muslim Girls PG College, Nishatganj, Lucknow.
- Worked as a lecturer in Maulana Azad Institute of Humanities Science And Technology, Mamudabad, India.
- Worked as a lecturer in Isabella Thoburn college, Lucknow.

### **Member**

- Member in NAAC Criteria VII
- Member in Departmental physical and stock verification committee.
- Extension and outreach activities member.
- Organising committee member in various Departmental competition, viz. Poster, skit, etc.

**Referee**

1. Dr. Munna Singh, Ex. Vice Chancellor, Chandra Shekhar Azad Agricultural University Kanpur, Professor & Head, Department of Botany, Lucknow University, Lucknow, India, PIN 226001.
2. Dr Y.K. Sharma, Professor, Ex Head, Department of Botany, Lucknow University, Lucknow, India, PIN 226001.
3. Mohd Imtiaz Deptt. of Business Administration Surya College of Business Administration Raibareilly Road, Lucknow.

**Dated:****Place:****( Shahida Hamid )**