

CURRICULUM VITAE

DR. TAIBA SAEED, (Ph.D. Botany)

Assistant Professor

Department of Biosciences

Integral University, Lucknow, UP, INDIA

E-mail: taiba@iul.ac.in, taibasaeed02@gmail.com

Mob: +918630035854; +919997413719



ACADEMIC QUALIFICATIONS

High School	2003	CBSE Board, New Delhi	English, Hindi, Social Sciences, Science, Maths	79.80 % (1 st Division)
Intermediate	2005	CBSE Board, New Delhi	PCB	81.20 % (1 st Division)
B.Sc.	2008	M.J.P. Rohilkhand Univ., Bareilly	Botany and Chemistry	74.96 % (1 st Division)
M.Sc.*	2010	AMU, Aligarh, UP	Botany	77.54 % (1 st Division)
CSIR-NET	2013	CSIR, New Delhi	Life Science	37 th rank
Ph.D.**	2017	AMU, Aligarh, UP	Botany	Awarded

*M.Sc. Dissertation: *In vitro* shoot regeneration from nodal explant of *Withania somnifera*

Ph. D. 2012-2017 **Botany (Plant Biotechnology)
Aligarh Muslim University, Aligarh-202002, INDIA
Academic Grade: Awarded

Thesis Title: "Propagation and conservation of *Albizia lebbbeck* (L.) Benth. and *Gymnema sylvestre* (Retz.) R.Br. ex Sm. through biotechnological approaches"

Name of Supervisor: Professor Anwar Shahzad
Department of Botany,
Aligarh Muslim University, Aligarh-202002, INDIA

RESEARCH AREA

Plant tissue culture techniques; Synthetic seed technology; Molecular Biology; Chemoprofiling;
Physiological and biochemical studies (during acclimatization of plants from *in vitro* to *ex vitro* conditions).

OTHER QUALIFICATIONS

- One year **Advanced (Post M.Sc.) Diploma** in Plant Tissue Culture and Micropropagation (2010-2011) funded by DBT, Govt. of India, New Delhi on the problem entitled “*In vitro* plant regeneration from cotyledonary node explants in *Acacia ehrenbergiana* using thidiazuron.”
- **Two times** qualified **All India Graduate Aptitude Test in Engineering (GATE) Life Science** in 2013 (Botany & Biochemistry) and 2016 (Botany & Zoology).
- Qualified **ASRB (Agriculture Scientists Recruitment Board)-NET, 2014** in the discipline of **Agricultural Biotechnology** with good percentile.

ACADEMIC HONORS AND AWARDS

- Hold third position in M.Sc.
- Awarded **UGC-Maulana Azad National Fellowship (MANF)-JRF (2011)** for the period of 5 years.
- Worked as **RA (Research Assistant) in UP-CST** project entitled “Refinement of protocol for scaling up propagation of elite germplasm of *Albizia lebbek* and evaluation of genetic fidelity of regenerants” for a period of 1 year and 4 months (10.08.2011 to 12.12.2012).
- Awarded “**Dr. Mohd. Farooq Memorial Scholarship**” AMU, Aligarh, during the session 2009-2010.
- Awarded “**Post-graduate Merit Scholarship**” AMU, Aligarh, during the session 2008-2009.
- Passed “49th (1999), 50th (2000), 53rd (2003) and 54th (2004) Annual All India General Knowledge Test” (senior general knowledge test certificate) conducted by All India Board of General Knowledge Test, United Schools Organisation of India, with 75 %, 74 %, 62 % and 72% marks respectively.
- Worked as **Research Associate under DBT** sponsored partnership project with IBSD, Imphal entitled “Propagation of diseases free varieties of selected banana species of North-East India through plant tissue culture for enhancing livelihood of local farmers” at Biotech Park, Lucknow, UP for a period of one year (19.03.2018 to 19.3.2019).
- Worked as a **Visiting Scientist** under Plant Reproductive Biology group at **Liebniz Institute of Plant Genetics and Crop Plant Research, Gatersleben, Germany** for period of 7 months (May 2019 to December 2019).

LANGUAGES KNOWN

- ✓ English, Hindi and Urdu

CAPABILITIES

- ✓ Patient listener, Quick Learner
- ✓ Optimist, Honest, Commitment of work
- ✓ Better understanding of basic scientific principles

EXPERIMENTAL SKILLS

- ✓ Plant tissue culture techniques
- ✓ Synthetic seed technology
- ✓ Genomic DNA and RNA isolation from plants
- ✓ PCR
- ✓ Phytochemistry
- ✓ Spectrophotometric techniques
- ✓ Histology
- ✓ Infra-Red Gas Analyzer (IRGA)
- ✓ Has a good understanding of various scientific protocols for extraction and estimation of enzymes of biological importance and other related techniques and protocols

COMPUTER SKILLS

- ✓ Operating systems: Windows 10, 8, 7, Vista, XP
- ✓ Proficient in MS Office tools
- ✓ Competent knowledge of Internet
- ✓ Able to learn new software quickly
- ✓ Sound knowledge of JMP, Origin, SPSS and Sigma Plot

List of Publications (18)

Research articles: 09

Book Chapters: 08

Review: 01

S.No	Title, Authors & Journal's details	Year Published	Impact Factor
1	Mohammad Yusuf, Taiba Saeed , Hamda Ali Almenhali, Farah Azzam, Aysha Ibrahim Ali Hassan Hamzah, Tanveer Alam Khan. Melatonin improved efficiency of 24-epibrassinolide to counter the collective stress of drought and salt through osmoprotectant and antioxidant system in pea plants. <i>Scientia Horticulturae</i> 323: 112453.	2024	3.9
2	Taiba Saeed , Tanveer Alam Khan, Aqeel Ahmad, Mohammad Yusuf, Sajeesh Kappachery, Qazi Fariduddin, Gaurav Mudgal, Mayank Anand Gururani. Exploring the Effects of Selenium and Brassinosteroids on Photosynthesis and Protein Expression Patterns in Tomato Plants under Low Temperatures. <i>Plants</i> 2023,12: 3351	2023	4.658
3	Mohammad Yusuf, Taiba Saeed , Hind J. Almarri, Tanveer Alam Khan, Mohammad Faizan, Nesma Elsayed. Hydrogen sulfide counteract copper induced inhibition of photosynthetic performance through altered proline metabolism and enhanced antioxidants in <i>Cucumis sativus</i> . <i>Plants Stress</i> 2023, 10: 100222	2023	6.8
4	Arjumend Shaheen, Najat A Bukhari, Kahkashan Perveen, Taiba Saeed , Anwar Shahzad. Meta-topolin influenced shoot morphogenesis in <i>Sansevieria cylindrica</i>	2022	-

	Bojer ex Hook. through leaf disc culture. International Journal of Botany Studies 2022, 7: 88-95.		
5	Ahmad A, Khan TA, Mubeen S, Shahzadi I, Akram W, Taiba Saeed , Bashir Z, Wang R, Alam M, Ahmed S, Hu D, Li G, Wu T. Metabolic and proteomic perspectives of augmentation of nutritional contents and plant defense in <i>Vigna unguiculata</i> . Biomolecules 2020, 10: 224.	2020	6.06
6	Taiba Saeed , Shahzad A., Sharma S. Studies on single and double layered biocompatible encapsulation of somatic embryos in <i>Albizia lebbeck</i> and genetic homogeneity appraisal among synseed derived lines through ISSR markers. Plant Cell Tissue Organ Culture 140: 431-445.	2020	2.72
7	Waheed Akram, Taiba Saeed , Aqeel Ahmad, Nasim A Yasin, Muhammad Akbar, Waheed U Khan, Shakeel Ahmed, Juxian Guo, Wenlong Luo, Tingquan Wua, Guihua Li. Liquiritin elicitation can increase the content of medicinally important glucosinolates and phenolic compounds in Chinese kale plants. J Sci Food Agric 100: 1616–1624	2020	4.125
8	Khan TA, Yusuf M, Ahmad A, Bashir B, Taiba Saeed , Fariduddin Q, Hayat S, Mock HP, Wu T. Proteomic and physiological assessment of stress sensitive and tolerant variety of tomato treated with brassinosteroids and hydrogen peroxide under low-temperature stress. Food Chemistry. 289: 500-511.	2019	9.2
9	Taiba Saeed , Shahzad A, Ahmad N, Parveen S. High frequency conversion of non-embryogenic synseeds and assessment of genetic stability through ISSR markers in <i>Gymnema sylvestre</i> . Plant Cell Tissue Organ Cult 134: 163-168.	2018	2.72
10	Taiba Saeed and Anwar Shahzad. High frequency plant regeneration in Indian Siris via cyclic somatic embryogenesis with biochemical, histological and SEM investigations. Industrial Crops and Products 76: 623–637.	2015	5.6
11	Shiwali Sharma, Anwar Shahzad, Sana Mahmood, Taiba Saeed . High-frequency clonal propagation, encapsulation of nodal segments for short-term storage and germplasm exchange of <i>Ficus carica</i> L. Trees 29: 345–353.	2015	2.88

12	Anwar Shahzad and Taiba Saeed . Studies on the effect of seed germination and shoot regeneration potential from <i>in vitro</i> as well as <i>in vivo</i> derived nodal explants of <i>Albizia lebbeck</i> collected from three different geographical locations in UP. Biosciences International, 1(4): 90-93.	2012	-
Review			
13	Anwar Shahzad and Taiba Saeed . A review on Phytochemistry, Pharmacological Properties and Biotechnological Studies in <i>Valeriana officinalis</i> L., An Important Medicinal Herb. Hippocratic Journal of Unani Medicine 10: 53-71.	2015	-
Chapters in Books			
1.	Anwar Shahzad and Taiba Saeed . <i>In Vitro</i> Conservation Protocols for some Rare Medicinal Plant Species. In Shahid M. et. al. (Eds.) <i>Recent Trends in Biotechnology and Therapeutic Applications of Medicinal Plants</i> : 263-291. (Springer publication)	2013	Springer
2.	Taiba Saeed and Anwar Shahzad. Basic principles behind Genetic Transformation in plants. In Shahzad A. et al. (Eds.) <i>Biotechnological strategies for the conservation of medicinal and ornamental climbers.</i> : 327-350. (Springer publication) Germany .	2016	Springer
3.	Taiba Saeed and Anwar Shahzad. Advances in Molecular Approaches for the integrative genetic transformation of highly important climbers. In Shahzad A. et al. (Eds.) <i>Biotechnological strategies for the conservation of medicinal and ornamental climbers.</i> pp. 367-385.	2016	Springer
4.	Anwar Shahzad, Anamica Upadhyay, Shiwali Sharma and Taiba Saeed . <i>Tylophora indica</i> (Burm. f.) Merrill: Medicinal uses, propagation and replenishment. In Shahzad A. et al. (Eds.) <i>Biotechnological strategies for the conservation of medicinal and ornamental climbers.</i> pp. 239-258	2016	Springer

5.	Anwar Shahzad, Shiwali Sharma, Shahina Parveen, Taiba Saeed , Arjumend Shaheen, Rakhshanda Akhtar, Vikas Yadav, Anamica Upadhyay, Zishan Ahmad. Historical Perspective and Basics Principles of Plant Tissue Culture. In Abidin M.Z. et al. (Eds.) <i>Plant Biotechnology: Principles and Applications</i> . pp. 1-36.	2017	Springer
6.	Anwar Shahzad, Shahina Parveen, Shiwali Sharma, Arjumend Shaheen, Taiba Saeed , Vikas Yadav, Rakhshanda Akhtar, Zishan Ahmad, Anamica Upadhyay. Plant Tissue Culture: Applications in Plant Improvement and Conservation. In Abidin M.Z. et al. (Eds.) <i>Plant Biotechnology: Principles and Applications</i> . pp. 37-72.	2017	Springer
7.	Taiba Saeed , Anwar Shahzad, Vikas Yadav. The Production of High-Value Secondary Metabolites Through Hairy Root Transformation in the Presence of Brassinosteroids. In: Khan M.T.A., Yusuf M., Qazi F., Ahmad A. (Eds.) <i>Brassinosteroids Signalling</i> . pp. 239-257.	2022	Springer
8.	Taiba Saeed , Aqeel Ahmad, Mohd. Tanveer Alam Khan., Iqra Shahzadi. Glyphosate: Is Brassinosteroids Application a Remedy? In: Khan M.T.A., Yusuf M., Qazi F., Ahmad A. (Eds.) <i>Brassinosteroids Signalling</i> . pp. 223-238.	2022	Springer
9.	Taiba Saeed , Irfan Bashir Ganie, Sabaha Tahseen , Adla Wasi, Zishan Ahmad and Anwar Shahzad. Application of Molecular Markers in Revealing Genetic Stability Among <i>In Vitro</i> Regenerants of Different <i>Valeriana</i> Species- a Pharmaceutically Valued Plant. In: <i>Genome Size and Genetic Homogeneity of Regenerated Plants</i> . pp. 43-59.	2023	Bentham Science Publishers

WORKSHOP / CONFERENCE / SEMINAR / SYMPOSIUM/ FDPs ATTENDED

1. NATIONAL SEMINAR ON RECENT ADVANCES IN PLANT BIOTECHNOLOGY: PROSPECTS AND POTENTIALS

Saeed T, Fatima N, Ahmad N and Anis M 2011. *In vitro* shoot regeneration from nodal explant of *Withania somnifera* (L.) Dunal. National Seminar on Recent Advances in Plant Biotechnology: Prospects and Potentials. Department of Botany, Aligarh Muslim University, Aligarh, 19th - 20th Feb 2011.

2. ATTENDED AN INTERNATIONAL SEMINAR ON CHEMISTRY: FRONTIERS AND CHALLENGES, DEPARTMENT OF CHEMISTRY, AMU, ALIGARH, 5th – 6th MARCH 2011.
3. NATIONAL CONFERENCE ON RECENT ADVANCES IN PLANT SCIENCES
National Conference On “Recent Advances In Plant Sciences”. Department of Botany, Dharm Samaj College, Aligarh, 15-16 October, 2011.
4. NATIONAL SEMINAR ON CONSERVATION, CULTIVATION AND SUSTAINABLE UTILIZATION OF MEDICINAL AND HERBAL PLANTS.

Shahzad A and **Saeed T** 2012. Micropropagation studies on *Albizia lebbeck* through nodal explants derived from an old tree. National Seminar on Conservation, Cultivation and Sustainable Utilization of Medicinal and Herbal Plants. Department of Botany, RBS College, Agra, 25-26 Feb 2012.

5. ATTENDED NATIONAL SEMINAR ON PLANT, CELL, TISSUE AND ORGAN CULTURE: EMERGING TRENDS, DEPARTMENT OF BOTANY, AMU, ALIGARH, 10-11 MARCH, 2012.
6. NATIONAL SEMINAR ON CURRENT TRENDS IN SECONDARY PLANT METABOLITE RESEARCH

Shahzad A and **Saeed T** 2012. Micropropagation studies on woody legume, *Albizia lebbeck* through shoot tip explants. National seminar on Current Trends in Secondary Plant Metabolite Research. Department of Biotechnology, Faculty of Science, Jamia Hamdard, New Delhi, 19-20 March 2012.

7. FOUNDATION DAY SYMPOSIUM ON CURRENT TRENDS IN BIOTECHNOLOGY

Saeed T, Shahzad A and Sharma S 2013. Thidiazuron induced adventitious shoot organogenesis from seedling derived various explants in *Clitoria ternatea*. Foundation Day Symposium On Current Trends In Biotechnology Interdisciplinary Biotechnological Unit, AMU, Aligarh, 16 January 2013.

8. NATIONAL SEMINAR ON PLANT SCIENCES: NEW TECHNOLOGIES, CONSERVATION AND ENVIRONMENT.

Shahzad A, **Saeed T** and Yadav AK 2013. Clonal propagation through nodal segments of *Boerhaavia diffusa* L.- An important medicinal plant. National Seminar on Plant Sciences: New Technologies, Conservation and Environment. Department of Botany, Aligarh Muslim University, Aligarh, 23-24 February 2013.

9. XXXIV ANNUAL MEETING OF PTCA (I) & NATIONAL SYMPOSIUM ON PLANT CELL TISSUE CULTURE & BIOTECHNOLOGY FOR FOOD AND NUTRITIONAL SECURITY.

Saeed T and Shahzad A 2013. Effect of exogenous plant growth regulators on *in vitro* regeneration potential of cotyledon explants in *A. lebbeck*. National Symposium on Plant Cell Tissue Culture & Biotechnology for Food and Nutritional Security. Department of Plant Cell Biotechnology, CSIR-CFTRI, Mysore, 11-13 March 2013.

10. NATIONAL SEMINAR ON TRENDS AND ADVANCES IN PLANT SCIENCES

Saeed T and Shahzad A 2013. Callus formation and plant regeneration through shoot tip and nodal explants in *Albizia lebbek* – A Multipurpose Legume. National Seminar on Trends and Advances in Plant Sciences. Department of Botany, Aligarh Muslim University, Aligarh, 21-22 September 2013.

Shahzad A, **Saeed T** and Varshney K 2013. Micropropagation of a threatened medicinal plant – *Psoralea corylifolia* (L.) through nodal segment culture. National Seminar on Trends and Advances in Plant Sciences. Department of Botany, Aligarh Muslim University, Aligarh, 21-22 September 2013.

11. NATIONAL SYMPOSIUM CUM WORKSHOP ON NEW FACET OF BIOTECHNOLOGY FROM GENES TO PROTEINS.

Shahzad A and **Saeed T** 2014. Encapsulated leaves of *Coleus forskohlii* Briq.: An efficient way for storage and propagation of pathogen free plant material. National Symposium Cum Workshop On New Facet Of Biotechnology From Genes To Proteins. Interdisciplinary Biotechnological Unit, AMU, Aligarh, 15-17 January, 2014.

12. XXXVII ALL INDIA BOTANICAL CONFERENCE OF INDIAN BOTANICAL SOCIETY

Saeed T and Anwar Shahzad 2014. Germplasm conservation and clonal propagation through synthetic seed technology in *Albizia lebbek* (L.) Benth. XXXVII All India Botanical Conference Of Indian Botanical Society. Department Of Botany KET'S V.G. VAZE College, Mulund (East) Mumbai, 7th – 9th November, 2014.

13. SCIENCE COMMUNICATION WORKSHOP Organised by Wellcome Trust/ DBT India Alliance held on 26th March 2015 at AMU, Aligarh.

14. XIth JK SCIENCE CONGRESS 2015 SCIENTIFIC, SOCIAL AND ECONOMIC DIMENSIONS OF CLIMATE CHANGE

Saeed T and Shahzad A 2015. High frequency *in vitro* plant regeneration through crown segments of *Valeriana officinalis* L. – highly medicinal herb. XIth JK SCIENCE CONGRESS, University of Kashmir, Srinagar, 12th-14th October, 2015. Page 91

15. NATIONAL SYMPOSIUM ON PLANT BIOTECHNOLOGY FOR CROP IMPROVEMENT AND 37TH ANNUAL MEETING OF PTCA

Saeed T and Shahzad A 2016. High frequency plant regeneration in Indian Siris via indirect somatic embryogenesis from *in vivo* derived shoot tip and nodal explants. National Symposium on Plant Biotechnology for Crop Improvement and 37th Annual Meeting of PTCA (India), CSIR-NBRI, Lucknow, 25th-27th February, 2016.

16. INTERNATIONAL CONFERENCE ON EMERGING TRENDS IN BIOMEDICAL SCIENCES

Saeed T and Shahzad A 2016. A reproducible protocol for high frequency plant regeneration from *in vitro* derived nodal explants of *Gymnema sylvestre*- an endangered liana with antidiabetic property. International Conference on Emerging Trends in Biomedical Sciences, Department of Biochemistry, F/O Life Sciences, AMU, Aligarh 6th- 8th March, 2016.

17. Short Term Course on Data Analysis/SPSS & R/MINITAB from 05th - 11th September 2016, UGC Academic Staff College, HUMAN RESOURCE DEVELOPMENT CENTRE, AMU, ALIGARH

18. XXXIX ALL INDIA CONFERENCE OF THE INDIAN BOTANICAL SOCIETY

Saeed T and Shahzad A 2016. Clonal propagation of *Gymnema sylvestre* through shoot tip culture coupled with physiological and biochemical studies during *ex vitro* establishment. XXXIX All India Conference of the Indian Botanical Society & National Symposium on "New Approaches and Recent Challenges in Botany" Department of Botany, Ranchi University, Ranchi, 21st-23rd October, 2016.

19. National Seminar on Advances in Plant Science Frontier: Development and Environment

Saeed T and Shahzad A 2016 "Enhanced multiplication through direct adventitious shoot induction from root and intermodal explants in Indian Siris- a multipurpose legume tree." National Seminar on Advances in Plant Science Frontier: Development and Environment, Department of Botany, Gandhi Faiz-e-Aam College, Shahjahanpur, 26th - 27th Nov, 2016.

20. International Conference on Advances in Agricultural and Biodiversity Conservation for Sustainable Development (ABCD 2017)

Saeed T and Shahzad A 2017 "High frequency axillary shoot proliferation through *in vivo* derived explants in *Gymnema sylvestre* coupled with histological, biochemical and physiological studies." International Conference on Advances in Agricultural and Biodiversity Conservation for Sustainable Development (ABCD 2017), Department of Horticulture, C.C.S. University, Meerut, 27th - 28th Oct, 2017.

21. Participated in National Workshop on Advanced Microscopy (NWAM-2018), organised by University Sophisticated Instruments Facility (USIF), AMU, Aligarh held from 7th to 9th February, 2018.

22. Participated in a Two-Day Diamond Jubilee Bioinformatics Workshop entitled "Transcriptomics Data Analysis: Bioinformatics Perspective" held at CSIR-CIMAP, Lucknow on 17th – 18th March, 2019.

23. Participated in a Workshop on "Next Generation Sequencing: An Overview" sponsored by Department of Biotechnology, Govt. of India, held at Biotech Park, Lucknow on 27th – 29th March, 2019.

24. Participated in a Workshop on Cycad Biology, CSIR- National Botanical Research Institute, Rana Pratap Marg, Lucknow, 19th - 20th December 2022.

25. Participated in two weeks International Workshop on "Teaching Competencies through Micro-Teaching Skills" organised by Faculty of Education, Integral University on 14th Feb to 2nd March 2023.

26. Participated in a Faculty Development Program on “Innovative teaching and learning pedagogy” jointly organised by Shri Shradha Nath PG College, Rajasthan; Research Foundation of India & RFI-CARE from 26th -30th July, 2023
27. Participated in a Faculty Development Program on “Contemporary and innovative Teaching Pedagogy and Essential Skills for Educators” organised by Maharishi University of Information Technology, Lucknow from 24th July to 31st July, 2023.
28. Participated in two weeks International workshop on “Higher Education Quality Enhancement: Pedagogical Reforms” conducted by Faculty of Education in Collaboration with IQAC, Integral University, Lucknow on 28th August to 14th September, 2023.
29. Participated in Faculty Development Program on “Bridging climate change and Environmental security: Pathways to Resilience” jointly organised by Department of Environmental Sciences, Integral University and The Environmental & Consumer Protection Foundation, New Delhi from 19th to 29th September, 2023.
30. Participated in two weeks Faculty Development Program on “Recent Advancements in Biotechnology for Sustainable Development” conducted by Dept. of Bioengineering and Dept. of Biosciences, Integral University, Lucknow from 7th October – 4th November, 2023.
31. Participated in a Faculty Development Program on “Effective teaching through modern technologies” conducted by Integral University, Lucknow and Association of Indian Universities (IU-AIU) from 4th – 8th March, 2024.
32. Participated in **Quality Improvement Program (QIP) on “Enhancing Education, Research, and Administration”** organized by Department of Biosciences, Integral University, Lucknow on 11th June 2024.

ORAL PRESENTATIONS

1. Given oral presentation on the topic “Clonal propagation through nodal segments of *Boerhaavia diffusa* L.- An important medicinal plant” in National Seminar on Plant Sciences: New Technologies, Conservation and Environment. Department of Botany, Aligarh Muslim University, Aligarh, 23-24 February 2013.
2. Given oral presentation on the topic “Germplasm conservation and clonal propagation through synthetic seed technology in *Albizia lebbbeck* (L.) Benth.” in XXXVII All India Botanical Conference of Indian Botanical Society. Department Of Botany KET’S V.G. VAZE College, Mulund (East) Mumbai, 7th - 9th November, 2014.
3. Given an oral talk on the topic “High frequency plant regeneration in Indian Siris via indirect somatic embryogenesis from *in vivo* derived shoot tip and nodal explants.” In National Symposium on Plant Biotechnology for Crop Improvement and 37th Annual Meeting of PTCA (India), CSIR-NBRI, Lucknow, 25th -27th February, 2016.

4. Given oral presentation on the topic “Enhanced multiplication through direct adventitious shoot induction from root and internodal explants in Indian Siris- a multipurpose legume tree.” National Seminar on Advances in Plant Science Frontier: Development and Environment, Department of Botany, Gandhi Faiz-e-Aam College, Shahjahanpur 26th - 27th Nov 2016.
5. Delivered an invited lecture on the topic “Biochemical studies during acclimatization of *in vitro* somatic embryo derived plantlets of *Albizia lebbek* – a legume of economic importance” National conference on Emerging Trends in Biological Sciences. Department of Biochemistry, Dr. Rammanohar Lohia Avadh University, Ayodhya, UP. 27 - 28 January, 2023.

POSTER PRESENTATIONS

1. “Micropropagation studies on *Albizia lebbek* through nodal explants derived from an old tree.” in National Seminar on Conservation, Cultivation and Sustainable Utilization of Medicinal and Herbal Plants. Department of Botany, RBS College, Agra, 25-26 Feb 2012.
2. “Effect of exogenous plant growth regulators on *in vitro* regeneration potential cotyledon explants in *Albizia lebbek*.” in National Symposium on Plant Cell Tissue Culture & Biotechnology for Food and Nutritional Security. Department of Plant Cell Biotechnology, CSIR-CFTRI, Mysore, 11th – 13th March 2013.
3. “Thidiazuron induced adventitious shoot organogenesis from seedling derived various explants in *Clitoria ternatea*” in Foundation Day Symposium on Current Trends In Biotechnology. Interdisciplinary Biotechnological Unit, AMU, Aligarh, 16th January 2013.
4. “Callus formation and plant regeneration through shoot tip and nodal explants in *Albizzia lebbek* - A Multipurpose Legume.” in National Seminar on Trends and Advances in Plant Sciences. Department of Botany, Aligarh Muslim University, Aligarh, 21st - 22nd September 2013.
5. “Encapsulated leaves of *Coleus forskohlii* Briq.: An efficient way for storage and propagation of pathogen free plant material.” in National Symposium Cum Workshop On New Facet Of Biotechnology From Genes To Proteins. Interdisciplinary Biotechnological Unit, AMU, Aligarh, 15th -17th January, 2014.
6. “High frequency *in vitro* plant regeneration through crown segments of *Valeriana officinalis* L.- highly medicinal herb.” in XIth JK Science Congress, University of Kashmir, Srinagar, 12th - 14th October, 2015.
7. “A reproducible protocol for high frequency plant regeneration from *in vitro* derived nodal explants of *Gymnema sylvestre*- an endangered liana with antidiabetic property.” International Conference on Emerging Trends in Biomedical Sciences, Department of Biochemistry, F/O Life Sciences, AMU, Aligarh 6th - 8th March 2016.
8. “High frequency axillary-shoot proliferation through *in vivo* derived explants in *Gymnema sylvestre* coupled with histological, biochemical and physiological studies.” International Conference on Advances in Agricultural and Biodiversity Conservation for Sustainable Development (ABCD 2017), Department of Horticulture, C.C.S. University, Meerut, 27th-28th Oct, 2017.

ORGANISING COMMITTEE MEMBER

- **Organizing committee member in the International Conference on “Trends and innovations in food technology-from farm to folk”** jointly conducted by Department of Bioengineering, Integral University and Tashkent Chemical Technological Institute, Tashkent, Uzbekistan on 24th - 25th November, 2022.
- **Organizing committee member in the DST-STUTI Sponsored Hands on Training Program on “Advanced Molecular Biology techniques”** conducted by Department of Biosciences & IIRC, Integral University, Lucknow from 1st -7th December, 2022.
- **Organizing committee member in the International Symposium on “Artificial Intelligence in Biological Sciences: Recent Trends”** conducted by Department of Biosciences, Integral University, Lucknow on 23rd April, 2024.
- **Organizing committee member in the International Seminar on “Application of Microbes in Synthetic Biology and Allied Sciences”** conducted by Department of Biosciences, Integral University, Lucknow on 18th September, 2023.

EXTRA CURRICULAR ACTIVITIES

- Remained member of DISTRICT SPORTS ASSOCIATION HOCKEY TEAM, RAMPUR , UP, INDIA for the year 2006-2008.
- First prize winner in Cricket tournament held at Begum Sultan Jahan, AMU, Aligarh, UP, India for the session 2014-2015.
- Participated in “Women in Science & Science for Women” (Commemorating the International Women’s Day) programme at The National Academy of Sciences, India on 8th & 9th March, 2019.

PERSONAL DETAILS

Father’s Name	:	Saeed Ur Rehman Khan
Date of Birth	:	November 15, 1987
Place of Birth	:	Rampur, U.P.
Nationality	:	Indian
Sex	:	Female
Passport No	:	Z3052700
Marital Status	:	Married
Languages’ Known	:	English, Hindi and Urdu
Permanent Address	:	K.B. Road Raza Degree College, Rampur-244901 Uttar Pradesh, India

ACADEMIC REFEREES

Professor Anwar Shahzad
(Ph.D Guide)

Department of Botany
Aligarh Muslim University
Aligarh, India

Tel no: +91- 9837061683

E-mail: ashahzad.bt@amu.ac.in

Professor Qazi Fariduddin
Department of Botany

Aligarh Muslim University
Aligarh, India

Tel no: +91-9412172134

E-mail: qazi_farid@yahoo.com