

Biodata of Dr Mohd Zahid Rizvi

- ❖ **Name:** Dr Mohd Zahid Rizvi
- ❖ **Father's Name:** Mr Syed Raza Husain Rizvi
- ❖ **Residential Address:** 08-09, near Chicken Corner, Chota Imambara, Husainabad, Chowk, Lucknow, Uttar Pradesh, India
- ❖ **Current Designation:** Assistant Professor, Department of Botany, Shia Post Graduate College (An Associated College of University of Lucknow), Sitapur Road, Lucknow, U.P., India
- ❖ **Academic Qualification:**
 - M.Sc., Ph.D. (Botany)
 - CSIR-UGC-Junior Research Fellowship (JRF)
 - Department of Biotechnology (DBT), Govt. of India sponsored Research Associate
 - **Research and Teaching:** 6 years of research (including Ph.D.) and 11 years of teaching experience
- ❖ **Gender:** Male
- ❖ **Email:** zahid682001@gmail.com
- ❖ **Contact No:** +91-7897872364

- ❖ **Total Publications:** 33

List of Published Research/Review Papers

1. **Rizvi M.Z.**, Ahmad A., Hayat S. (2001). Interaction effect of gibberellic acid and kinetin on germination and α -amylase activity in barley seeds. *Seed Technol.* 23(2): 180-184 [ISSN (print) 1096-0724].
2. **Rizvi M.Z.** (2014). Optimization of *in vitro* regeneration protocol of *Brassica juncea* var RLM-198. *J. Biol. Chem. Res.* 31(2): 638-644. [ISSN (print) 0970-4973].
3. **Rizvi M.Z.**, Kazmi, S.H.A. and Zaidi, S.N.H. (2017). *Pinus roxburghii*: phytochemistry and pharmacological uses. *J. Biol. Chem. Res.* 34(2): 1041-1050 [ISSN (print) 0970-4973].
4. **Rizvi M.Z.**, Abid, M. and Khan, M.M.A.A. (2019). Role of plant based medicines in the post-traumatic stress disorder. *J. Biol. Chem. Res.* 36(1): 139-146 [ISSN (print) 0970-4973].
5. **Rizvi M.Z.**, Abid, M. and Khan, M.M.A.A. (2019). Applications of nanotechnology in diagnosis of plant diseases. *J. Biol. Chem. Res.* 36(1): 181-188 [ISSN (print) 0970-4973].
6. **Rizvi M.Z.**, Kazmi, S.H.A., Zaidi, S.N.H. and Kazmi, S. (2021). Role of Nanotechnology in mitigating climate change. *J. Biol. Chem. Res.* 38(2): 229-233 [ISSN (print) 0970-4973].
7. **Rizvi M.Z.** and Khan, M.M.A.A. (2022). Nanomaterials: metabolism, regulation and functions in crop abiotic stress tolerance. *J. Biol. Chem. Res.* 39(1): 106-140 [ISSN (print) 0970-4973].

List of Published Book Chapters

8. **Rizvi M.Z.**, Das S., Sharma M.P., Srivastava P.S. (2013). Somatic embryogenesis in monocots. In: Somatic Embryogenesis and Gene Expression. Eds. Aslam J., Srivastava P.S., Sharma M.P., Narosa Pub. House, New Delhi, pp 18-34 [ISBN (print) 978-81-8487-228-6].
9. Khan M.M.A.A., Haider S.R., **Rizvi M.Z.**, Rizvi S.A.H. (2014). Occurrence of antiviral systemic resistance inducer in *Pseuderanthemum bicolor* Radlk., its mode of action and biophysico-chemical properties. In: Microbial Diversity and Biotechnology in Food Security. Eds. Kharwar R.N. et al., Springer Pub., pp 183-191 [ISBN (print) 978-81-322-1800-5].
10. Abid M., Hasan A., Rizvi S.A.H., **Rizvi M.Z.**, Khan M.M.A.A. (2019). Emerging trends in molecular biology and ethnopharmacology of genus *Dioscorea*: A critical review. In: Emerging Trends in Molecular Plant Medicine. Eds. Khan M.M.A.A., Mahdi A.A., Masih A.P., Pandey S., Abid M., Discovery Pub. House, New Delhi, pp. 233-242 [ISBN 978-93-88854-13-9].

11. Khan, M.M.A.A., **Rizvi, M.Z.**, Kazmi, S. and Rizvi, S.A.H. (2020). Strategies for control of viral diseases in crops through disease resistance: A review. In: Biotechnology in Plant Protection and Crop Improvement. Eds. Khan, M.M.A.A., Abid, M., Kazmi, S. Ansari, M.I., Discovery Pub. House, New Delhi, pp. 308-316 (ISBN 978-93-88854-23-8).
12. **Rizvi M.Z.**, Ansari, S.A. and Ansari, M.I. (2022). ABA: Metabolism, regulation and functions in crop abiotic stress tolerance. In: Augmenting Crop Productivity in Stress Environment. Eds. Ansari, S.A, Ansari, M.I. and Husen, A., Springer Pub., pp 297-316 [ISBN (print) 978-981-16-6360-4].

Article Published in Magazine

13. **Rizvi, M.Z.** Important medicinal plants used in control and management of diabetes. College Magazine, Shia P.G. College, Lucknow (2016-2017).

Papers Presented in International Conferences/Seminars

14. **Rizvi M.Z. (2014)**. Analysis of culture heterogeneity in *in vitro Taxus* cell culture using flow cytometry. 15th Indo-US Symposium on Contemporary Issues in Cell Kinetics, Babasaheb Bhimrao Ambedkar Univ., Lucknow, India, 29-30th October, 2014.
15. **Rizvi M.Z. (2014)**. Biodiversity status of some important medicinal plants of India and *in vitro* strategies for their conservation. International Symposium on Biodiversity: Status, Utilization and Impact of Challenging Climatic Conditions, Babasaheb Bhimrao Ambedkar Univ., Lucknow, India, 30-31st October, 2014.
16. **Rizvi M.Z. (2016)**. Role of plant biotechnology in crop improvement for adoptation in changing climatic conditions. International Conference on Climate Change and its Implications on Crop Production and Food Security. Institute of Agricultural Sciences, Banaras Hindu Univ., Varanasi, India, 12-13 November, 2016.
17. **Rizvi M.Z.**, Rizvi S.A.H. and Zaidi S.N.H. (2022). Traditional uses and medicinal properties of bioactive constituents of some important lichens. International Conference on Multidisciplinary Approaches in Lichenology, CSIR-National Botanical Research Institute, Lucknow, 28-30th September, 2022.

Papers Presented in National Conferences/Seminars

18. Rizvi S.A.H., **Rizvi M.Z.**, Musanna A., Naqvi A.A. (2011). Phytochemical analysis of essential oil from the inflorescence of *Coleus forskohlii*. National Conference on Biotechnology for Sustainable Development, Deptt. of Biotechnology, D.D.U. Gorakhpur Univ., Gorakhpur, India, 15-16th November, 2011.
19. Khan M.M.A.A., Rizvi S.A.H., **Rizvi M.Z. (2011)**. Oxido-Reductases alterations associated with host mediated systemic resistance against virus infection.

National Conference on Frontiers in Biological Sciences, Deptt. of Biotechnology, V.B.S. Purvanchal Univ., Jaunpur, India, 4-5th December, 2011.

20. **Rizvi M.Z. (2013)**. Role of microRNAs in response of plants to abiotic stress conditions. National Seminar on Stress, Development and Adaptation: Biochemical Basis and Biotechnological Approaches, Deptt. of Biochemistry, Univ. of Lucknow, Lucknow, India, 15-16th March, 2013.
21. **Rizvi M.Z. (2015)**. Biotechnological potential of algae in production of nutritional and pharmaceutical compounds. National Conference on Cryptogam Research in India: Progress and Prospects. CSIR-National Botanical Research Institute, Lucknow, India, 28-29th September, 2015.
22. **Rizvi M.Z. (2016)**. Role of fungi in nanoparticle synthesis and applications of myconanoparticles. National Conference on Emerging Trends in Fungal Biology and Plant Protection (42nd Annual Meeting of the Mycological Society of India (MSI). Centre of Advanced Study in Botany, Institute of Science, Banaras Hindu Univ., Varanasi, India, 16-18th February, 2016.
23. **Rizvi M.Z. (2017)**. Role of plant tissue culture in phytoremediation. National Symposium on Issues and Challenges in Ecological Sciences, Centre of Advanced Study in Botany, Institute of Science, Banaras Hindu Univ., Varanasi, India, 23-25th February, 2017.
24. **Rizvi M.Z., Khan M.M.A.A., Rizvi S.A.H. (2017)**. Chemotherapeutic properties of compounds derived from some important medicinal plants. National Symposium on "Changing Trends in Medical Biochemistry in the New Millennium", Department of Biochemistry, King George's Medical University, Lucknow, 4th February, 2017.
25. Khan M.M.A.A., Musanna S.A., Kazmi S., **Rizvi M.Z. (2017)**. Antibacterial activity of oil extracted from *Nigella sativa* L. seeds. National Symposium on "Changing Trends in Medical Biochemistry in the New Millennium", Department of Biochemistry, King George's Medical University, Lucknow, 4th February, 2017.
26. **Rizvi M.Z., Zaidi S.N.H., Khan M.M.A.A., Haider S.R. (2018)**. Lichens as bioindicators of changes in climatic conditions and air pollution. National Conference on Current Developments and Next Generation Lichenology, CSIR-National Botanical Research Institute, Lucknow, 27-28th January, 2018.
27. Rizvi S.A.H., Khan M.M.A.A., **Rizvi M.Z.**, Musanna S.A. **(2018)**. Limitations of lichen monitoring of environmental pollution. National Conference on Current Developments and Next Generation Lichenology, CSIR-National Botanical Research Institute, Lucknow, 27-28th January, 2018.
28. **Rizvi M.Z., Khan M.M.A.A. Rizvi S.A.H., Hasan A., Musanna S.A. (2018)**. Biodiversity conservation of some valuable Indian high altitude medicinal plants through *in-vitro* propagation methods. National Conference on Climate Change, Environmental Pollution and Biodiversity Conservation, CSIR-National Botanical Research Institute, Lucknow, 24-25th February, 2018.

29. Abid M., Hasan A., **Rizvi, M.Z.** and Rizvi S.A.H. (2018). Comparative physico chemical properties of virus inhibitor(s), in leaf extracts devoid of phytotoxicity in different *Pseuderanthemum* species. National Conference on Climate Change, Environmental Pollution and Biodiversity Conservation, CSIR-National Botanical Research Institute, Lucknow, 24-25th February, 2018.
30. **Rizvi, M.Z.** (2018). Issues and challenges due to commercialization of higher education. National Seminar on Changing Paradigm of Higher Education in India: Issues and Challenges with Special Reference to Uttar Pradesh, National P.G. College, Lucknow, 10th October, 2018.
31. **Rizvi, M.Z.** and Kazmi, S.H.A. (2020). Climate change and impact on biodiversity and agriculture. Second National Conference on Climate Change: Agriculture, Biodiversity and Human Health, CSIR-National Botanical Research Institute, Lucknow, 22-23rd February, 2020.
32. Rizvi S.A.H., Kazmi S.H.A., Hasan A. and **Rizvi M.Z.** (2020). Green polymers for sustainable and clean environment. Second National Conference on Climate Change: Agriculture, Biodiversity and Human Health, CSIR-National Botanical Research Institute, Lucknow, 22-23rd February, 2020.
33. **Rizvi M.Z.** and Khan M.M.A.A. (2022). *In vitro* propagation of some important aromatic plants. National Conference on Ecological Restoration and Biodiversity Conservation, CSIR-National Botanical Research Institute, Lucknow, 17-18th September, 2022.

Participation in International Conferences/Seminars

1. International Conference on “Mycology and Plant Pathology: Biotechnological Approaches”, Centre of Advanced Study in Botany, Banaras Hindu Univ., Varanasi, 27-29th February, 2012.

Participation in National Conferences/Seminars

2. National Seminar on “Himalayan Devastation and Eco-Balancing” (Under Auspices of DST-PURSE Programme), Deptt. of Botany, Univ. of Lucknow, Lucknow, 31st August, 2013.
3. Symposium on “Recent Advances in Biochemistry and Biotechnology: Applications in Health, Environment and Agriculture”, Deptt. of Biochemistry, University of Lucknow, Lucknow, 29-31 October, 2013.
4. National Seminar on “Nehru’s Vision for India”, Univ. of Lucknow, Lucknow, 30th August, 2015.
5. National Seminar on “Kalam’s Dream for 2020 (In The Memory of Dr. A.P.J. Abdul Kalam)”, Univ. of Lucknow, Lucknow, 14th October, 2015.

6. National Seminar on Higher Education: Issues, Challenges, Prospects and Strategies, Mumtaz P.G. College, Lucknow, 11th September, **2016**.
7. Recent Trends in Biomedical Research: Advances and Challenges (Central Zone IABSCON-2019, Indian Academy of Biomedical Sciences), Deptt. of Biochemistry, King George's Medical Univ., Lucknow, 2nd-3rd February, **2019**.
8. National Seminar on Mahatma Gandhi Kal Aur Aaj, Deptt. of History and Asian Culture, Shia P.G. College, Lucknow, 21-22nd February, **2019**.

Other Courses/Workshops/Training Programmes attended by Dr Mohd Zahid Rizvi

9. Workshop on Bioinformatics Applications in Genomics and Proteomics, (sponsored by Deptt. of Biotechnology, Govt. of India), Biotech Park, Lucknow, 13th-15th September, **2007**.
10. Workshop on Drug Design Approaches: Molecular Modeling, Computational Chemistry & RNAi Applications (sponsored by Deptt. of Biotechnology, Govt. of India), Biotech Park, Lucknow, 23th-25th February, **2010**.
11. Hands on Training for the Diagnosis of Infectious Diseases by Advanced Molecular Biological Methods using *Leptospiriosis* as a Model System, Deptt. of Microbiology, Bharathidasan Univ., Tiruchirappalli, 29th November-13th December, **2010**.
12. National Level Training Course on "Application of Nanotechnology in Agriculture" (organized under World Bank Funded NAIP-ICAR Project), Central Arid Zone Research Institute, Jodhpur, 10-19th March, **2014**.
13. Training Programme on "Biodiversity and its Conservation" (sponsored by U.P. State Biodiversity Board, Lucknow), Deptt. of Zoology, Univ. of Lucknow, Lucknow, 27th March, **2014**.
14. Workshop on "Intellectual Property Rights: Issues and Challenges" (organized jointly by Indira Gandhi National Open University, Lucknow and University of Lucknow, Lucknow), Malviya Hall, University of Lucknow, Lucknow, 21st July, **2015**.
15. Online National Workshop on "National Education Policy 2020 and Environmental Education" [organized by UGC-HRDC (Human Resource Development Centre), Kumaun Univ., Nainital, Uttarakhand], 25th August, **2022**.

Orientation, Refresher and Short Term Courses Completed

1. UGC sponsored Orientation Programme, Academic Staff College, Univ. of Lucknow, Lucknow from 01 -22nd May, **2013**.
2. UGC sponsored Refresher Course in BioSciences, UGC-HRDC (Academic Staff College), Kumaun Univ., Nainital, Uttarakhand from 05-26th August, **2015**.
3. UGC sponsored Refresher Course in Botany, UGC-HRDC (Academic Staff College), Kumaun Univ., Nainital, Uttarakhand from 04-24th November, **2017**.
4. Short Term Course on “Data Analysis/SPSS and MINITAB” (Organized by Centre for Academic Leadership and Education Management under the Scheme of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (MHRD, Govt. of India), UGC Human Resource Development Centre, Aligarh Muslim Univ., Aligarh, India, 29th December, **2015** -04th January, **2016**.
5. UGC sponsored Refresher Course in Botany, UGC-HRDC (Academic Staff College), Punjabi Univ., Patiala, Punjab from 01-21st December, **2018**.
6. UGC sponsored Online Refresher Course in Environmental Sciences, UGC-HRDC (Human Resource Development Centre), Kumaun Univ., Nainital, Uttarakhand from 12-27th August, **2022**.

Memberships of Different Societies

1. Life member of Indian Science Congress Association, India.
2. Life member of Indian Lichenological Society, India.

Award Received

“Prof. M. M. Husain Memorial award”, **2020**