**Brief Biodata of**

**Dr. Syed Rais Haider**

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* **Present Position**

Head and Senior Associate Professor of Botany, Shia Post Graduate College, (Associated to Lucknow University), Sitapur Road, Lucknow, U.P., India

* **Research and Teaching:** 29 years of Experience
* **Qualification:** M.Sc. (Botany), M. Phil, Ph.D. (Aligargh Muslim University)
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**Awards and Honors**

1. **“Best Teacher Award 2020” by Academy of Environment and Life Sciences & Department of Biotechnology, Ministry of Science and Technology, Government of India received at Agra, U.P., India.**
2. **“Best Academician Award 2020” Presented by Deccan Environmental Research Organization, Bijapur, Karnataka, India.**
3. **“Excellence In Research Award 2021” by Koshambi Foundation in 3 days National Conference on Multidisciplinary Research and Practice at Bhimrao Ambedkar University, Agra, U.P., India.**
4. **“Research Excellence Award 2021” given by Institute of Scholar (InSc) at Bengaluru, Karnataka.**

**Total Publication 58**

**Total Books: 4 Books Published**

**Profile of Dr. Syed Rais Haider Associate Professor and Head, Department of Botany, Shia P.G. College, Lucknow**

**List of Research Papers of Dr. S. Rais Haider published in Journals**

1. **S.R. Haider** and M. Wajid Khan (1986). Root-knot nemmtodes infecting some ornamentals in Western Uttar Pradesh, India, *Int. Nematol. Network Newsl*. ISSN 1052-5408, 3 (1): 17-18, USA.
2. M.W. Khan, A.A. Khan, **S.R. Haider** and S.S. Ashraf (1987). New non-crop host of Meloidgyne javanica and Meloidgyne incognita in India, *Pak. J. Nematol*., ISSN 0255-7576 (Print) ISSN 2313-1942 (Online), 5 (2): 103-106, Pakistan.
3. M. Shahid Parwez, M.F. Rahman and **S.R. Haider** (1988). Effect of Tagetes erecta on Meloidgyne javanica infecting Lettuce., *Int. Nematol Netwrok Newsl*. ISSN 1052-5408, 5 (3): 18-19, USA.
4. **S. R. Haider,** G.K. Sharma and M. Wajid Khan (1988). Observations on identity of species and races of root-knot nematodes in Bihar, India, *Int. Nematol Netwrok Newsl*. ISSN 1052-5408, 5 (2): 10-11, USA.
5. **S. R. Haider,** Shahid Parwez and Md. Imran Khan (1988). Effect of different inoculum levels of stunt nematodes on growth parameters of egg plant, *Indian J. Applied and Pure Biology*, ISSN: 0970-2091, 3 (2) 57-59, India.
6. Shahid Parwez, **S.R. Haider,** and Md. Imran Khan (1988). New host records of Meloidyne species in India, *India J. Appllied and Pure Biology*, ISSN: 0970-2091, 3 (2): 143-144, India.
7. M. Wajid Khan, S.S. Ashraf and **S.R. Haider** (1989). Occurrence and distribution of root-knot nemtodes (Meloidgyne species) on vegetable crops in some districts of Western Uttar Pradesh, *India Phytopath*, ISSN: 2248-9800 42 (2): 42-43, India.
8. M. Wajid Khan and **S.R. Haider** (1991). Interaction of Meloidogyne javanica with different races of meloidgyne incognita, *J. Nematol*, ISSN: 0022-300X 23 (3): 298: 305, USA.
9. M. Wajid Khan and **S.R. Haider** (1991). Comparative damage potential and reproduction efficency of Meloidgyne javanica and races of meloidgyne incognita on tomato and egg plant, *Nematologica*, ISSN: 0028-2596. E-ISSN: 1875-2926 37, 293:303, Holland.
10. M.W. Khan, A.A. Khan, **S.R. Haider** S.S. Ashraf (1991). Identity of races of Meloidyne incognita in the Western Uttar Pradesh, India, *Nematologica*, ISSN: 0028-2596. E-ISSN: 1875-2926 37, 34: 115-116, Holland.
11. M. Wajid Khan and **S. R. Haider** (1991). Intraspecific interactions of Meloidyne javanica and races of M. incognita, *Pak. J. Nematol*, ISSN 0255-7576 (Print)  
    ISSN 2313-1942 (Online)  5 (2): 103-106, Pakistan.
12. M. M. Abid Ali Khan, S. Nazeer Haider Zaidi and **S. Rais Haider**, (2007). Protective Responses of Susceptible Plants to Virus Infection: A Review, J. Biol. Chem. Research. Vol. 24. No. 1 & 2: 19-24, IF 4.275.
13. M.M. Abid Ali Khan, **S. Rais Haider**, S. Nazeer Haider, S.A. Musanna, S.H.A. Kazmi and S. Arshad Hasan Rizvi (2008). Acquired Resistance to Virus Infection in Susceptible Plants, Journal of Biological and Chemical Research ISSN 0970-4973 Volume 25 (1 & 2) 2008, pp 1-7 IF 4.275.
14. M.M. Abid Ali Khan, Nazeer H. Zaidi, S.H.A. Kazmi, **S. Rais Haider**, S.A. Musanna, Aziz B. Abidi and Sabiha Hasnain (2009). Sulphur Requirement of Petrocrop Pedilanthus tithimaloides Poit. var. cuculatus in Sand Culture, Journal of Biological and Chemical Research ISSN 0970-4973 Volume 26 (2), December, 2009 pp 39-45, IF 4.275 **UGC Approved Journal No. 62923**.
15. M. M. Abid Ali Khan, Nazeer H. Zaidi, S.H.A. Kazmi, **S. Rais Haider**, S.A. M usanna, Aziz B. Abidi and Sabiha Hasnain. (2009). Purification, Electron Microscopy and Serology in Plant Virology, J. Biol. Chem. Research. Vol. 26, No. 1: 14-27, IF 4.275.
16. M.M. Abid Ali Khan, **S Rais Haider**, M Zahid Rizvi and S Arshad Hasan Rizvi. (2014), Occurrence of Antiviral Systemic Resistance Inducer in Pseuderanthemum bicolor Radlk., Its M ode of Action and Biophysico-Chemical Properties R. N. Kharwar et al. (eds.), Microbial Diversity and Biotechnology in Food Security 158N: 978-81-322-1800-5. DOI 10.1007/978-81-322-1801-2\_15, 0 Springer Publication 2014, Chapter 15 pp 183-192, IF 0.424.
17. Murtaza Abid, M.M. Abid Ali Khan, **S. Rais Haider** and A.A. Mahdi (2015). Research Strategies for Identification and Mechanism of Action of Virus Inhibitory Proteins Occurring in some higher plants, **New Dimensions in Microbiology** ISBN 978-93-85160-84-4, Editors Dr. M.M. Abid Ali Khan, Dr. John K. Grandy, Dr. Egamberdieva Dilfuza, Murtaza Abid, Raaz K. Maheshwari and Dr. T.S. Naqvi, Publishers: **Lenin Media Pvt. Ltd.** Delhi, India, Chapter 25 pp 371-393.
18. S. Nazeer Haider Zaidi, M.M. Abid Ali Khan and **S. Rais Haider** (2015). Metabolic Changes in Gladiolus Varieties in Response to Infection by Bean Yellow Mosaic Virus. *The Recent Advances in Academic Science Journal (RAASJ) Sweden*, ISSN 2002-2433, Volume No. 1, 47-52.
19. M.M. Abid Ali Khan, S. Nazeer Haider Zaidi, Sabiha Kazmi, **S. Rais Haider**, and Reena Nashine (2015). A Novel Eco-Friendly Approach to Study the Effects of Inorganic, Organic and Biofertilizers on some Agricultural Crops, World J. Biol. Med. Science, ISSN 2349-0063 Volume 2 (2), 98-104, 2015, IF 4.554.
20. M.M. Abid Ali Khan, **S. Rais Haider**, S.N.H. Zaidi and M. Abdur Rahman (2015). An Overview on Susceptibility of Capsicum sp to different Virus Infections, World J. Biol. Med. Science, ISSN 2349-0063 Volume 2 (3), 85-93, 2015, IF 4.554.
21. M.M. Abid Ali Khan and **S. Rais Haider** (2017). Energy Conservation for Sustainable Development: An Overview, **Journal of Biological and Chemical Research** ISSN 0970-4973 (Print) | ISSN 2319-3077 (Online/Electronic), Journal Impact Factor: 4.275, Vol. 34, No. 2, Part B pp-928-931 **UGC Approved Journal No. 62923**.
22. Murtaza Abid, M.M. Abid Ali Khan, T.S. Naqvi, Homa Jilana Khan and **S. Rais Haider** (2017). Phytochemistry and Pharmacological Profile of, Artemisia annua L: An Overview, **Phytochemistry and Pharmacology of Medicinal Herbs** ISBN 978-93-8585995-46-0, Editors: Professor Abbas Ali Mahdi, Murtaza Abid and Dr. M.M. Abid Ali Khan, 2017 published by **Lenin Media, Delhi, India,** Chapter 18, pages 346-365.
23. **S. Rais Haider,** Afroz Zareen Athar and M.M. Abid Ali Khan (2020). An Overview on Green Bioplastic: An Approach towards Clean Environment, **Global Progress in Greener Energies for Sustainable Environment**, ISBN: 978-93-88854-28-3, Edited by Dr. M.M. Abid Ali Khan, Dr. Abdeen Mustafa Omer, Prof. (Dr.) V.P. Sharma, Dr. Syed Rais Haider and Murtaza Abid, Published by Discovery Publishing House Pvt. Ltd., New Delhi (India).
24. **S. Rais Haider**, Murtaza Abid and M.M. Abid Ali Khan (2021). Secondary Metabolites and Medicinal Evaluation of Trapa Species, Book: **Plant Secondary Metabolites for Human Health**, ISBN: 978-93-88854-57-3, Edited by Dr. M.M. Abid Ali Khan, Murtaza Abid, Dr. Syed Rais Haider and Dr. Mohammad Israil Ansari, Published by: Discovery Publishing House Pvt. Ltd., New Delhi (India), chapter 21.

**List of Research Papers of Dr. S. Rais Haider Presented in**

**National and International Conferences**

1. M. Wajid Khan, S.S. Ashraf and **S.R. Haider** (1986). Identity status of root-knot nemtodes of vegetable crops in Western Uttar Pradesh, p.3, In proceedings of National Conference, Plant Parasitic Nematodes of India, Problems and Progress, I.A.R.I., New Delhi, India.
2. M. Wajid Khan, S. Saad Ashraf and **S. Rais Haider** (1988). An analysis of bio control efficiency of Paecilomyces lilacinus in management of root-knot nemtodes on growth parameters of egg plant, P.67., In proceedings of International Conference on Research in Plant Science and its relevance to future, New Delhi, India.
3. M.M. Abid Ali Khan, **S. Rais Haider** and S.H.A. Kazmi (2011). Purification of a low molecular weight broad spectrum antiviral protein from Pseuderanthum bicolor Radik leaves, presented at )000V All India Botanical Conference pp: 80, on October 10-12, 2011 held at Department of Botany, Lucknow University, Lucknow U.P., India.
4. M.M. Abid Ali Khan, S.N.H. Zaidi, **S. Rais Haider** and S.H.A. Kazmi (2012). Induction of antiviral resistance in tomato plants by spraying Pseuderanthemum bicolor Radik leaf extract under field conditions, Presented at National Seminar on Recent Advances and New Inclinations in Biological Sciences, pp: 118, held at Sam Higginbottom Institute of Agriculture Technology & Sciences, Allahabad U.P., India on April 18, 2012.
5. M.M. Abid Ali Khan, **S. Rais Haider,** Mohd. Zahid Rizvi and Syed Arhad H. Rizvi (2012). Occurrence of antiviral systemic resistance inducer in Psederanthemum bicolor Radlk., its mode of action and biophysicochemical properties, presented at International Conference on Mycology and Plant Pathology: Biotechnology Approaches pp: 107 February 27.29, 2012, held at Center of Advancement Study in Botany, Banaras Hindu University, Varanasi- 221005, India.
6. Aziz B. Abidi, Sabiha Hasnain, **Rais Haider** and C.P. Sharma (2012). Metabolic changes and relative susceptibility of different varieties of gram subjected to boron stress, International Conference on Mycology and Plant Pathology: Biotechnological Approaches (ICMPB, 2012) (February 27-29, 2012), Held at Centre of Advance Studies in Botany, Banaras Hindu University, Varanasi, India, Pages no. 106.
7. M.M. Abid Ali Khan, **S. Rais Haider** and S. Nazeer Haider Zaidi. (2014). Possible Prevention of Virus Infections in Cucurbits under field conditions. National Seminar on Technological Advances & and Their Impact on Environment (NSTAIE-2014) April 22, 2014. Held at Poornima College of Engineering, Jaipur, Rajasthan, India pp 173.
8. Murtaza Abid, **S. Rais Haider,** M.M. Abid Ali Khan and Jamal Akhtar Ansari (2015). An Overview of Bryophytes used as Bryometer in Monitoring of Air and Heavy Metal Pollution presented at **National Conference on Cryptogam Research in India: Progress and Prospects** 28-29, September, 2015 Organized by Indian Lichenological Society and CSIR-National Botanical Research Institute, Govt. of India, Lucknow, U.P., India held at National Botanical Research Institute, Lucknow, U.P., India. Page no. 84-85.
9. **S. Rais Haider,** M.M. Abid Ali Khan, S. Nazeer Haider**,** and Jamal Akhtar Ansari (2015). Ethno Therapeutical Uses of Some Liverworts and Mosses by Tribal Communities, National Conference on Cryptogam Research in India: Progress and Prospects 28-29, September, 2015 Organized by Indian Lichenological Society and CSIR-National Botanical Research Institute, Govt. of India, Lucknow, U.P., India held at National Botanical Research Institute, Lucknow, U.P., India. Page no. 79.
10. S. Husain Asghar Kazmi, M.M. Abid Ali Khan, **S. Rais Haider** and S. Nazeer Haider Zaidi (2015). Antiviral Activity in some Pteridophytes of Medicinal Importance, National Conference on Cryptogam Research in India: Progress and Prospects 28-29, September, 2015 Organized by Indian Lichenological Society and CSIR-National Botanical Research Institute, Govt. of India, Lucknow, U.P., India held at National Botanical Research Institute, Lucknow, U.P., India. Page no. 111-112.
11. Murtaza Abid, **S. Rais Haider,** M.M. Abid Ali Khan, S.H.A. Kazmi (2016). Bio Technology for Isolation of Antiviral Proteins from Medicinal Plants and their practicability for Eco-Friendly Management of Virus Diseases, Presented at **National Seminar on Innovative Green Technologies for Sustainable Sanitation, Health and Environment** held at Pornima College of Engineering, ISI-6 RIICO Institutional Area, Sitapura, Jaipur-302022 (Raj) April 22, 2016, IGTSHE-16/20.
12. M.M. Abid Ali Khan, Murtaza Abid and **Rais Haider** (2016). Isolation and Nature of Plant Virus Inhibitor Occurring in Leaf of *Operculina turpethum* L. National Conference on Emerging Trends in Fungal Biology and Plant Protection ETFPP February 16-18, 2016 held at Centre of Advanced Study in Botany, Institute of Science, Banaras Hindu University, Varanasi, India, pp 77.
13. **S. Rais Haider,** S.Nazeer Haider Zaidi and M.M. Abid Ali Khan (2016). Systemic Resistance Induction in Susceptible Test Plants against Virus Infection, National Conference on Emerging Trends in Fungal Biology and Plant Protection ETFPP February 16-18, 2016 held at Centre of Advanced Study in Botany, Institute of Science, Banaras Hindu University, Varanasi, India, pp 78.
14. M.M. Abid Ali Khan, **S. Rais Haider** and S. Nazeer Haider (2016). Eco-friendly control of naturally occurring potex virus infection in potato plants by application of natural viral inhibitions, National seminar on Innovative green technologies for sustainable sanitation, health and environment (IGTSHE-2016) on 22 April 2016, held at Department of Mechanical Engineering, Poornima College of engineering, ISI-6, RIICO, Institutional area, Sitapura, Jaipur-302022 (Rajasthan), IGTSHE 16/15.
15. Sabiha Kazmi, Murtaza Abid, S. Nazeer Haider Zaidi, S.H.A. Kazmi, **S. Rais Haider** (2017). Role of Isolated Natural Plant Products in Treatment of Microbial Infections, Indian Journal of Clinical Biochemistry, Springer, P188, Page No. 217. Paper presented in Conference, 44 National Conference of Association of Clinical Biochemists of India, ISSN 0970-1915, Volume 32 (1), December, 2017, Held at King George’s Medical University, Lucknow, U.P., India, dated 3-6 December, 2017.
16. **S. Rais Haider,** Amber Hasan, Murtaza Abid, S. Arshad Hasan Rizvi and S. Nazeer Haider Zaidi (2017). Alkaloids Contents of Hyoscyamus Niger L. and their Pharmacological Action, Page no. 214, Presented Paper presented in Conference, 44 National Conference of Association of Clinical Biochemists of India, ISSN 0970-1915, Volume 32 (1), December, 2017, Held at King George’s Medical University, Lucknow, U.P., India, dated 3-6 December, 2017.
17. M.M. Abid Ali Khan, Murtaza Abid, **S. Rais Haider,** S. Nazeer Haider Zaidi, Arshad H. Rizvi (2017). Biodynamic Activity of Essential Oil Obtained from *Artemisia annua* L., A Medicinal Herb, Presented at **National Symposium “Changing Trends in Medical Biochemistry in the New Millennium,** February 4th, 2017” Organized by Department of Biochemistry, King George’s Medical University, Lucknow, U.P., India, pp 28.
18. **40.** **S. Rais Haider,** Murtaza Abid, S.H.A. Kazmi, Sabiha Kazmi, Mohd Abdurrahman, S. Nazeer Haider (2017). Isolation of a Low Molecular Weight Anti-microbial Protein from Roots of *Mirabilis jalapa* L. Plant, **Presented at National Symposium “Changing Trends in Medical Biochemistry in the New Millennium,** February 4th, 2017” Organized by Department of Biochemistry, King George’s Medical University, Lucknow, U.P., India, pp 29.
19. Mohd. Zahid Rizvi, Syed Nazeer Haider Zaidi, Mirza Mohd Abid Ali Khan and **Syed Rais Haider** (2018). Lichens as Bioindicators of Changes in Climatic Conditions and Air Pollution, Presented at “**National Conference on Current Developments and Next Generation Lichenlogy**, 27-28 January, pp 51.
20. M.M. Abid Ali Khan, S.N.H. Zaidi, **S. Rais Haider** and Murtaza Abid (2018). Lichens as Specific Bioindicators for Different Environmental Pollutants, **National Conference on Current Developments and Next Generation Lichenlogy**, 27-28 January, pp 54-55.
21. M.M. Abid Ali Khan, **S. Rais Haider,** S.A. Musanna and Sabiha Kazmi (2018). Biomonitoring of Air Pollution by Lichens, **National Conference on Current Developments and Next Generation Lichenlogy**, 27-28 January, pp 56-57.
22. **S. Rais Haider,** M.M. Abid Ali Khan and Murtaza (2018). Virus Inhibitory activity in leaf extracts of different *Pseuderanthemum* species, **National Conference on Current Developments and Next Generation Lichenlogy**, 27-28 January, pp 98-99.
23. Murtaza Abid, M.M. Abid Ali Khan, Sabiha Kazmi and **S. Rais Haider** (2018). Isolations and partial characterization of proteinaceous virus inhibitor from *Eranthemum reticulatum* Radlk., **National Conference on Current Developments and Next Generation Lichenlogy**, 27-28 January, pp 101-102.
24. Sabiha Kazmi, **S. Rais Haider,** S. Nazeer Haider Zaidi, Amber Hasan and S.A. Musanna (2018).Biofuel as renewable energy source for clean environment, **National Conference on Current Developments and Next Generation Lichenlogy**, 27-28 January, pp 103-104.
25. Sabiha Kazmi, Amber Hasan and **S. Rais Haider** (2018).Polarity-based fractionation in Proteomics: Hydrophilic Interaction vs. Reserved-Phase Liquid Chromatography, **Central Zone ACBICON, “Recent Advances in Molecular Diagnostics” organized by Department of Biochemistry, King George’s Medical University, Lucknow pp, 38.**
26. Murtaza Abid, M.M. Abid Ali Khan and **S. Rais Haider** (2018).*Lannea humilis* (oliv) Leave Extracts Inhibits Bacteria and Fungi, **Central Zone ACBICON, “Recent Advances in Molecular Diagnostics”** organized by Department of Biochemistry, King George’s Medical University, Lucknow pp, 39.
27. **S. Rais Haider,** Amber Hasan and Murtaza Abid (2018). Microbial Production of Alkaline Proteases : An Overview, **Central Zone ACBICON, “Recent Advances in Molecular Diagnostics”** organized by Department of Biochemistry, King George’s Medical University, Lucknow pp, 39.
28. **S. Rais Haider** and M.M. Abid Ali Khan (2019). Green Polymer: A Sustainable approach towards clean environment and human health, **Centran Zone IABSCON “Indian Academy of Biomedical Sciences”** organized by Department of Biochemistry, King George’s Medical University, Lucknow pp, 93.
29. S. Nazeer Haider Zaidi, M.M. Abid Ali Khan and **S. Rais Haider** (2019). Applications of Nanofluids in Biomedical Sciences : An Overview, **Central Zone IABSCON “Indian Academy of Biomedical Sciences”** organized by Department of Biochemistry, King George’s Medical University, Lucknow pp, 70.
30. S. Husain Asghar Kazmi, **S. Rais Haider** and M.M. Abid Ali Khan (2020). An Overview on Impact of Climate Change on Production f Secondary Metabolites in Medicinal Herbs, Second National Conference on Climate Change: Agriculture, Biodiversity and Human Health, Feb 22-23, 2020, Venue: CSIR-NBRI, Lucknow PP-18, page no. 46.
31. **Dr. S. Rais Haider,** Dr. S. Husain Asghar Kazmi and Dr. M.M. Abid Ali Khan(2020). Review on Biodiesel: A Non-Conventional Energy Resource, International Seminar on Sources of Planet Energy, Environmental & Disaster Science: Impacts of Non-Conventional Energy Resources (SPEEDS-2019), Organized by School of Management Sciences Lucknow, February 07-08, 2020, pp 28.
32. M.M. Abid Ali Khan, **S. Rais Haider** and S. Husain Asghar Kazmi (2020). An Overview on Environmental Impact on Production of Secondary Metabolites of Medicinal Plants, International Seminar on Sources of Planet Energy, Environmental & Disaster Science: Impacts of Non-Conventional Energy Resources (SPEEDS-2019), Organized by School of Management Sciences Lucknow, February 07-08, 2020, pp 51.
33. Murtaza Abid and **Syed Rais Haider** (2020). Effect of Seasonal Variations on Metabolomics of Medicinal Plants: An Overview, NATIONAL CONFERENCE ON RECENT TRENDS AND NEW FRONTIERS IN BIOTECHNOLOGY, AGRICULTURE, SCIENCE AND ENVIRONMENT NCRTNFBASE 2020, held at St John’s College, Agra, held on Feb 22nd – 23rd, 2020, page no. 23.
34. Mirza Mohd Abid Ali Khan and **Syed Rais Haider** (2020). Impact of Abiotic Environmental Components on Secondary Metabolites of Medicinal Herbs, NATIONAL CONFERENCE ON RECENT TRENDS AND NEW FRONTIERS IN BIOTECHNOLOGY, AGRICULTURE, SCIENCE AND ENVIRONMENT NCRTNFBASE 2020, held at St John’s College, Agra, held on Feb 22nd – 23rd, 2020, page no. 21.

**List of Hard Bound International Books of**

**Dr. S. Rais Haider**

**Published by National / International Publishers with ISBN**

**1. Global Progress in Development of Sustainable Environment, ISBN 987-93-5056-847-7** Editors: Dr. M.M. Abid Ali Khan (India), Murtaza Abid (India),Dr. Abdeen Mustafa Omer (United Kingdom), **Dr. Syed Rais Haider (India)** and Dr. Raaz K. Maheshwari, published by **Discovery Publishing House Pvt. Ltd. New Delhi, India** 2016.

**2. Technologies for Renewable Energy and Water Conservation, ISBN 987-93-85882-53-1** Editors Dr. Bina Rani (India), Murtaza Abid (India),Dr. M.M. Abid Ali Khan (India), Dr. Abdeen Mustafa Omer (United Kingdom), **Dr. Rais Haider (India)** and Dr. Raaz K. Maheshwari, Published by **Harshwardhan Publication Pvt. Ltd., Maharashtra India**, 2016.

**3.** Global **Progress in Greener Energies for Sustainable Environment, ISBN: 978-93-88854-28-3,** Edited by Dr. M.M. Abid Ali Khan, Dr. Abdeen Mustafa Omer, Prof. (Dr.) V.P. Sharma, **Dr. Syed Rais Haider** and Murtaza Abid, Published by Discovery Publishing House Pvt. Ltd., New Delhi (India), 2020.

**4. Plant Secondary Metabolites for Human Health, ISBN: 978-93-88854-57-8,** Edited by Dr. M.M. Abid Ali Khan, Murtaza Abid, **Dr. Syed Rais Haider** and Dr. Mohammad Israil Ansari, Published by Discovery Publishing House Pvt. Ltd., New Delhi (India) 2021.

**Refresher / Orientation and other Training Courses of**

**Dr. Syed Rais Haider**

1. UGC sponsored Refresher Course in Botany from University Grants Commission Human Resource Development Centre (HRDC), Lucknow University, from December 08 to 28, 2001, Reg. No. 4558.

2. UGC sponsored Refresher Course in Botanty from University Grants Commission Human Resource Development Centre (HRDC), Lucknow University, from June 01 to 21, 2002, Grade A, Reg. No. 5016.

3. UGC sponsored Refresher Course in Botany / Environmental ID from University Grants Commission Human Resource Development Centre (HRDC), Lucknow University, from January 01 to 22, 2016, Grade A, Reg. No. 3972.

4. Short Term Course Government of Uttar Pradesh Sponsored Professional Development Course in “Motivation Needs and Productivity” University Grants Commission Academic Staff College University of Lucknow from October 14 to 21, 2011, Reg. No. 670.

5. Training Course “Best Practices in Laboratory Management” organized by Department of Biochemistry, Era’s Lucknow Medical College and Hospital and Beckman Coulter India held in ELMC, Lucknow 31st March, 2016.

**LIST OF CERTIFICATES**

**1. National Conference “Plant Parasitic Nematodes”, Division of Nematology IARI, New Delhi, 17-20 December, 1986.**

**2. International Conference on “Research in Plant Sciences and Its Relevance to Future” 7-11 March, 1988, Delhi-India.**

**3. UGC sponsored Refresher Course, Academic Staff College, University of Lucknow, December 8 - December 28, 2001.**

**4. 89th Session, Indian Science Congress – 2002, January 3-7, 2002, University of Lucknow, Lucknow.**

**5. UGC sponsored Refresher Course, University Grants Commission, Academic Staff College, University of Lucknow, June 1st – June 21st, 2002.**

**6. XXXIV All India Botanical Conference, Department of Botany, University of Lucknow, Lucknow, October 10-12, 2011.**

**7. Professional Development Course, University Grants Commission, Academic Staff College, University of Lucknow, October 14 – 21, 2011.**

**8. National Seminar on Himalayan Devastation and Eco-Balancing, Department of Botany, University of Lucknow, Lucknow, August 31, 2013.**

**9. National Seminar on Technological Advances and Their Impact on Environment, NSTAIE – 2014, Poornima College of Engineering, Jaipur, April 22, 2014.**

**10. National Seminar on Kalam’s Dream for 2020 “In the Memory of Dr. A.P.J. Abdul Kalam”, Department of Education, University of Lucknow, October 14, 2015.**

**11. National Conference on Cryptogam Research in India: Progress and Prospects 28-29, September, 2015, Indian Lichenological Society and CSIR-National Botanical Research Institute, Lucknow, India**

**12. National Seminar on “Nehru Vision for India” 30th August, 2015, University of Lucknow.**

**13. UGC sponsored Refresher Course, University Grants Commission, Academic Staff College, University of Lucknow, January 1st – January 22nd, 2016.**

**14. National Seminar on “Recent Trends in Chemical Sciences” Global Opportunities and Challenges, 18-19 January, 2016, Department of Chemistry, Shri Govind Guru Government College, Banswara (Rajasthan).**

**15. National Conference on Emerging Trends in Fungal Biology and Plant Protection, 42th Annual Meeting of the Mycological Society of India (MSI), February 16-18, 2016, Centre of Advanced Study in Botany, Banaras Hindu University, Varanasi.**

**16. Workshop on Best Practices in Laboratory Management, Department of Biochemistry, Era’s Lucknow Medical College and Hospital and Beckman Coulter India, 31st March, 2016.**

**17. National Seminar on Innovative Green Technologies for Sustainable Sanitation, Health and Environment, Department of Engineering and Applied Sciences, Poornima College of Engineering, Jaipur, April 22, 2016.**

**18. National Seminar on Higher Education : Issues and Challenges, Prospects and Strategies, Lucknow University Associated Colleges Teachers Association (LUACTA) and Mumtaz P.G. College, Lucknow, September 11, 2016.**

**19. National Symposium: Changing Trends in Medical Biochemistry in the New Millennium, Organized by Department of Biochemistry, King George’s, Medical University, Lucknow on 4th February, 2017.**

**20. 44th National Conference of Association of Clinical Biochemists of India, Theme “Emerging Trends in Clinical Biochemistry from Evidence Based Medicine to Molecular Medicine”, 3rd December, 2017, Kalam Centre, KGMU, Lucknow.**

**21. Participated at 44th National Conference of Association of Clinical Biochemists of India, Theme “Emerging Trends in Clinical Biochemistry from Evidence Based Medicine to Molecular Medicine”, 3rd -6th December, 2017, Kalam Centre, KGMU, Lucknow.**

**22. Paper presented at 44th National Conference of Association of Clinical Biochemists of India, Theme “Emerging Trends in Clinical Biochemistry from Evidence Based Medicine to Molecular Medicine”, 3rd -6th December, 2017, Kalam Centre, KGMU, Lucknow.**

**23. National Conference on Current Developments and Next Generation Lichenology organized by Indian Lichenological Society (ILS) at CSIR-National Botanical Research Institute, Lucknow during 27-28th January 2018.**

**24. National Conference on Climate Change, Environmental Pollution and Biodiversity Conservation, 24th – 25th February, 2018 at CSIR-NBRI, Lucknow.**

**25. Centre of Academic Leadership and Education Management, Aligarh Muslim University, Aligarh under the Scheme of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) (MHRD, Govt. of India) held at Khwaja Moinuddin Chisti Urdu, Arbi-Farsi University, Lucknow (U.P.), 07th July, 2018.**

**26. Central Zone ACBICON 2018, Association of Clinical Biochemists of India, Department of Biochemistry, King George’s Medical University, Lucknow, Theme “Recent Advances in Molecular Diagnostics”, 21st – 22nd July, 2018.**

**27. National Seminar on Changing Paradigm of Higher Education in India: Issues and Challenges with Special Reference to Uttar Pradesh, organized by University Associated Colleges Teachers’ Association (LUACTA) in Association with National P.G. College, Lucknow, U.P., October 10, 2018.**

**28. Central Zone IABSCON-2019, Indian Academy of Biomedical Sciences, Department of Biochemistry, King George’s Medical University, Lucknow, Theme “Recent Trends in Biomedical Research : Advances and Challenges” organized by Department of Biochemistry, King George’s Medical University, Lucknow on 2nd and 3rd February 2019.**

**29. 5th International Seminar on Sources of Planet Energy, Environmental & Disaster Science: Impact of Non-Conventional Energy Resources (SPEEDS-2019), 07th & 08th February, 2020, Organized by School of Management of Sciences, Lucknow, U.P.**

**30. National Conference on Recent Trends and New Frontiers in Biotechnology, Agriculture, Science and Environment, NCRTNFBASE-2020 organized by Academy for Environment and Life Sciences, Agra 22nd – 23rd February, 2020.**

**31. Senior Editor of Journal of Biological and Chemical Research, Lucknow, U.P., India.**

**32. Regional Editor (India) World Journal of Biology and Medical Sciences, Lucknow, U.P., India.**

**33. “Life Time Member” of Institute of Scholars (InSc), Bengaluru, Karnataka.**

**34. Reviewer of International Journal of Basic and Applied Sciences of Institute of Scholars (InSc), Bengaluru, Karnataka.**