

BIO DATA



Name of Candidate: MURTAZA ABID

Gender: Male

Father's Name: Late Professor (Dr.) Mirza Mohd Abid Ali Khan
Professor of Botany,
Shia P.G. College, Lucknow, U.P.

Mother's Name: Dr. Mrs. Aziz Khan
Ex- Senior Assistant Professor of Botany
Shia P.G. College, Lucknow, U.P.

Present Positions / Post: Assistant Professor,
Department of Botany,
Shia P.G. College,
Lucknow, U.P., India

Religion Islam

Category: General (Minority)

Address: 235/9, Shahchara Lane, Victoria Street,
P.O., Chowk, Lucknow-226003, U.P., India

Awards and Honors:

1. "Shri Harish Chandra Karmatha Award 2018".
2. "Khateeb-e-Akbar" Award of Shia P.G. College, Lucknow, (2019).
3. 'Best Researcher Award' 2019 received at Department of Botany, Delhi University.
4. 'Young Scientist Award' by National Academy of Environment and Life Sciences with Ministry of Science and Technology, Govt. of India New Delhi (2020).
5. 'Young Botanist Award 2020' Presented by Deccan Environmental Research Organization- DERO, Bijapur, Karnataka, India.
6. 'Young Academician Award' 2021 received at Dr. B.R. Ambedkar University, Agra, U.P.

7. Young Researcher Award 2021 by Institute of Scholar (InSc), Bengaluru, Karnataka, India

**Competitive National Exams: (1)- CSIR-NET/JRF (Life Sciences),
Qualified**

**December, 2016 Qualified
AIR 78, Roll No. 350243**

**(2)- CSIR-NET/JRF (Life Sciences),
June, 2017 Qualified
AIR 56, Roll No. 344247**

**(3)- CSIR-NET/JRF (Life Sciences),
June, 2018 Qualified
AIR 61, Roll No. 349233**

**(4)- CSIR-NET/LS (Life Sciences),
December, 2018 Qualified
AIR 6, Roll No. 346076**

**(5)- GATE Life Sciences (XL),
February 2017, Qualified
AIR 311, Registration No. XL17S85023087**

**(6)- GATE Life Sciences (XL),
February 2019, Qualified
AIR 160, Registration No. XL19S25024088**

**(7)- ICAR/ARS-NET (Plant Physiology),
April, 2018 Qualified
Roll No. 1160902693**

**(8) - CSIR-NET/LS (Life Sciences),
December, 2020 Qualified
AIR 49, Roll No. UP12603452**

**Worked Under Supervision: Professor (Dr.) Abbas Ali Mahdi,
Senior Professor and Head, Department of
Biochemistry, King George's Medical University,
Lucknow, U.P., India (2013-2017).**

Worked as JRF for 2 years (2018-2019) under Supervision of Dr. Narendra Kumar, Senior Scientist, Department of Botany and Pharmacognosy, CSIR-CIMAP, Lucknow, U.P.

Computer Knowledge: Basic knowledge of MS. Office and Internet

Strengths:

- Able to work and stay with focus under pressure.
- Get along well with colleague.
- A strong will power desire to contribute and succeed.
- Ready to do different if it is aids better result.

Educational Qualifications

S. No.	Name of Examination	Year	Board/ University	Subjects	Division
1.	Ph.D. (Scholar)	2019 Continued	University of Lucknow	Botany	
2.	M. Sc.	2013	Lucknow University	Botany	1 st
3.	B. Sc.	2011	Lucknow University (Shia P.G. College)	Botany, Chemistry (ZBC)	1 st
4.	Intermediate / Senior School Certificate Examination	2008	Central Board for Secondary Education, New Delhi (CBSE)	English, Hindi, Physics, Chemistry, Biology and Physical Education	1 st
5.	High School / Secondary School Examination	2006	Central Board for Secondary Education, New Delhi (CBSE)	English, Hindi, Maths, Science, Social Science	1 st

Research Papers / Books / Book Chapters / Conferences / Seminars

(a) Books Published With ISBN: (International / National)	39 Hard Books Published
(b) Books Chapters Published:	49 Books Chapters published
(c) Research Papers Published:	15 Research Papers Published (8 in UGC Approved Journals)
(d) Conferences / Seminars:	40 papers presented in Conferences and Seminars
Total Publications + Books:	104 Research Publications and 39 Hard Bound Books Published

Training Program / Workshop Attended:

- (1) Training for Laboratory Management Program Held at Era's Medical College, Lucknow, U.P.**
- (2) Workshop on "Application of Inductively Coupled Plasma-Optical Emission (ICP-OS) Spectrometer and Microwave Reaction System for Estimation of Heavy Metals and Trace Elements" held as a part of 44th Annual Conference of the Association of Clinical Biochemists of India-ACBICON 2017 on 3rd December, 2017 at Kalam Centre, King George's Medical University, Lucknow, U.P., India.**

Past Positions / Post:

Worked as Research Assistant in Council of Science and Technology, Government of Uttar Pradesh, (UPCST) sponsored Project sanctioned under Professor Abbas Ali Mahdi, Senior Professor and Head, Department of Biochemistry, King George's, Medical University, Lucknow for 2 years.

**Worked as JRF for 2 years (2018-2019) at
Department of Botany and
Pharmacognosy, CSIR-CIMAP, Lucknow,
U.P.**

Hobbies:

**Reading/Writing of Books, Teaching,
Cricket, Badminton, Travelling.**

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List of 39 Hard Bound Books with ISBN Published by Murtaza Abid from National and International Publishers

1. New Dimensions in Microbiology, ISBN 978-93-85160-84-4 Editors: Dr. M.M. Abid Ali Khan (India), Dr. John K. Grandy (USA) Dr. Difuza Egamberdieva (Germany), Murtaza Abid (India), Dr. Raaz K. Maheshwari (India) and Dr. T.S. Naqvi (India) Published by Lenin Media Pvt. Ltd. Delhi, India, 2015

2. RENEWABLE ENERGY RESOURCES FOR SUSTAINABLE DEVELOPMENT, ISBN 978-93-5056-871-2 Authors: Mustafa Abdeen Omer (United Kingdom), M.M. Abid Ali Khan (India) and Murtaza Abid (India) published by Discovery Publishing House Pvt. Ltd., New Delhi, India 2016

3. Sustainable Non-conventional Energy Resources and Environment, ISBN 978-93-5056-873-2 Authors: Mustafa Abdeen Omer (United Kingdom), M.M. Abid Ali Khan (India) and Murtaza Abid (India) published by Discovery Publishing House Pvt. Ltd., New Delhi, India 2016

4. Biochemistry and Therapeutic uses of Medicinal Plants, ISBN 987-93-5056-866-8, Editors: Prof. Abbas Ali Mahdi, Murtaza Abid and Dr. M.M. Abid Ali Khan, Published by Discovery Publishing House, New Delhi, India, 2016

5. 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

6. 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

7. Biodiversity Conservation in Changing Climate, ISBN 978-93-85995-03-3 Editors: Dr. M.M. Abid Ali Khan (India), Murtaza Abid (India), Dr. Abdeen Mustafa Omer (United Kingdom), Dr. S. Nazeer Haider Zaidi (India) and Dr. Raaz K. Maheshwari (India), published by Lenin Media Pvt. Ltd, Delhi, India, 2016.

8. New Innovations in Environmental Biotechnology ISBN 978-93-85995-15-6, Editors: Dr. M.M. Abid Ali Khan (India), Murtaza Abid (India), Dr. Abdeen Mustafa Omer (United Kingdom), Dr. S.N. Pnadey (India) and Dr. Raaz K. Maheshwari (India), published by Lenin Media Pvt. Ltd, Delhi, India, 2016

9. Green Technologies for Environmental Security ISBN: 978-93-8585995-16-3, Editors: Dr. Bina Rani, Dr. M.M. Abid Ali Khan, Murtaza Abid, Dr. S. N. Pandey, Dr. Upma Singh and Dr. Raaz K. Maheshwari published by Lenin Media Pvt. Ltd, Delhi, India, 2017

10. Phytochemistry and Pharmacology of Medicinal Herbs, ISBN: 978-93-85995-46-0 Editors: Prof. Abbas Ali Mahdi, Murtaza Abid, Dr. M.M. Abid Ali Khan and Dr. Raaz K. Maheshwari published by Lenin Media Pvt. Ltd, Delhi, India, 2017

11. Herbal Medicines and Modern Drug Discovery ISBN: 978-93-85995-52-1, Editors: Prof. Abbas Ali Mahdi, Murtaza Abid, Dr. M.M. Abid Ali Khan, Dr. T.S. Naqvi and Dr. Raaz K. Maheshwari, Publisher: Lenin Media Private Limited, Delhi, India, 2017

12. Molecular Biology and Pharmacognosy of Beneficial Plants ISBN: 978-93-85995-56-9 Editors: Prof. Abbas Ali Mahdi, Murtaza Abid, Dr. M.M. Abid Ali Khan, Dr. M.I. Ansari and Dr. Raaz K. Maheshwari Publisher: Lenin Media Private Limited, Delhi, India Year of Publication 2017.

13. Perspectives in Ecotoxicology, ISBN: 978-93-85995-69-9, Edited by Dr. M.M. Abid Ali Khan, Murtaza Abid, Dr. M.I. Ansari and Dr. Harsukh Chharang, Published by Lenin Media Private Limited, Delhi, India, 2018.

14. Sustainable Development and Environmental Management ISBN 978-93-86-841-39-8, authored by Dr. Abdeen Mustafa Omer (United Kingdom), Dr. M.M. Abid Ali Khan (India) and Murtaza Abid, Discovery Publishing House Pvt. Ltd. New Delhi, India, 2017.

15. Bioenergies and Clean Environment, ISBN 978-93-86-841-38-4, authored by Dr. Abdeen Mustafa Omer (United Kingdom), Dr. M.M. Abid Ali Khan (India) and Murtaza Abid, Discovery Publishing House Pvt. Ltd. New Delhi, India, 2017.

16. Lenin Media Medical Dictionary, ISBN: 978-93-85995-57-6, Edited and Compiled by Dr. M.M. Abid Ali Khan, Prof. Abbas Ali Mahdi, Dr. Deepika Sinha and Murtaza Abid, Published by Lenin Media Private Limited, Delhi, India, 2018.

17. Environmental Toxicology and Bioremediation, ISBN: 978-93-86841-, Edited by: Dr. M.M. Abid Ali Khan; Murtaza Abid; Dr. Deepmala Verma and Prof. (Dr.) Raaz K. Maheshwari, Published by Discovery Publishing House Pvt. Ltd. New Delhi, India, 2019.

18. Emerging Trends in Molecular Plant Medicine, ISBN: 978-93-88854-13-9, Edited by: Dr. M.M. Abid Ali Khan, Prof. (Dr.) Abbas Ali Mahdi, Dr. Agha Parvez Masih; Dr. Shivani Pandey and Murtaza Abid, Published by: Discovery Publishing House Pvt. Ltd., New Delhi (India), 2019.

19. Biofuels, Solar Energy and Future Perspectives ISBN 978-93-85995-66-8, Authors: Dr. Mustafa Abdeen Omer (United Kingdom), Dr. M.M. Abid Ali Khan (India) and Murtaza Abid (India), Published by Lenin Media Pvt. Ltd. Delhi, India, 2018.

20. Heavy Metals Toxicity in Biological Systems, ISBN: 978-93-86841-84-3, Edited by: Prof. (Dr.) Abbas Ali Mahdi; Murtaza Abid, Dr. M.M. Abid Ali Khan and Dr. Shyam Narain Pandey, Published by: Discovery Publishing House Pvt. Ltd., New Delhi (India), 2019.

21. Eco friendly Energy Technologies and Environmental Sustainability in New Millennium, ISBN: 978-93-85995-77-4, Dr. Abdeen Mustafa Omer, Murtaza Abid and Dr. M. M. Abid Ali Khan, Published by Lenin Media Pvt. Ltd. Delhi, India, 2019.

22. Biotechnology in Plant Protection and Crop Improvement, ISBN: 978-93-88854-23-8, Edited by: Dr. M.M. Abid Ali Khan; Murtaza Abid; Dr. Sabiha Kazmi and Dr. M.I. Ansari, Published by: Discovery Publishing House Pvt. Ltd., New Delhi (India), 2020.

23. Global Progress in Greener Energies for Sustainable Environment, ISBN: 978-93-88854-28-3, 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.

24. Ethnobotany and Biochemistry of Medicinal Plants, ISBN: 978-93-88854-29-0, Edited by: Dr. M.M. Abid Ali Khan; Murtaza Abid, Dr. S.N. Pandey and Dr. Satyndra Kumar Yadav, Published by: Discovery Publishing House Pvt. Ltd., New Delhi (India), 2020.

25. Environmental Pollution and Climate Change, ISBN: 978-93-88854-30-6, Edited by: Dr. M.M. Abid Ali Khan; Dr. Abdeen Mustafa Omer, Prof. (Dr.) V.P. Sharma and Murtaza Abid, Published by: Discovery Publishing House Pvt. Ltd., New Delhi (India), 2020.

26. Environmental Change and Impact on Biological Systems, ISBN 987-81-942846-5-9, Edited by Murtaza Abid, Dr. M.M. Abid Ali Khan, Dr. S.N. Pandey, Dr. Bina Rani and Prof. V.P. Sharma, Published by Lenin Media Pvt. Ltd. Delhi, India, 2020.

27. Secondary Metabolites of Medicinal Herbs (Biochemistry and Therapeutics). ISBN 978-93-88854-49-7, Edited by: Dr. M.M. Abid Ali Khan, Prof. Abbas Ali Mahdi, Murtaza Abid, Dr. T.S. Naqvi, Published by: Discovery Publishing House Pvt. Ltd., New Delhi (India), 2020.

28. Plant Secondary Metabolites for Human Health, ISBN 978-93-88854-57-3, Edited by: Dr. M.M. Abid Ali Khan; Murtaza Abid; Dr. S. Rais Haider; Dr. M.I. Ansari, Published by: Discovery Publishing House Pvt. Ltd., New Delhi (India), 2021.

29. Climate Change and Future Perspectives, ISBN: 978-93-88854-702, Editors: Murtaza Abid; Dr. M.M. Abid Ali Khan; Dr. Abdeen Mustafa Omer; Dr. Bina Rani, Published by: Discovery Publishing House Pvt. Ltd., New Delhi (India), 2021.

30. Plant Proteomics: Concept and Applications ISBN: 978-93-88854-77-1, Edited by Murtaza Abid, M.M. Abid Ali Khan, Amber Hasan and Ratna Katiyar Published by Discovery Publishing House PVT. LTD. New Delhi, India 2021.

31. Biochemistry and Therapeutic Applications of Medicinal Herbs, ISBN 978-93-88854-84-9, Editors: Murtaza Abid; Dr. M.M. Abid Ali Khan; Dr. Syed Rais Haider; Dr. Himani Kulshrestha, Published by Discovery Publishing House PVT. LTD. New Delhi, India 2022.

32. New Dimensions of Environmental Biology, ISBN: 978-93-88854-87-0, Editors: Dr. Shyam Narain Pandey; Murtaza Abid; Dr. M.M. Abid Ali Khan; Dr. Syed Husain Asghar Kazmi, Published by: Discovery Publishing House Pvt. Ltd., New Delhi (India), 2022.

33. Environmental Security and Sustainable Development, ISBN: 978-93-88854-89-4, Editors: Murtaza Abid; Dr. M.M. Abid Ali Khan; Dr. Raaz K. Maheshwari Dr. Shad Husain and Prof. V.P. Sharma, Published by: Discovery Publishing House Pvt. Ltd., New Delhi (India), 2022.

34. Environmental Issues and Management Strategies (2023). ISBN: 978-81-942846-5-9, Eds. Dr. Bina Rani Dr. Upma Singh, Murtaza Abid, Prof. (Dr.) M.M. Abid Ali Khan, Dr. Sabiha Kazmi and Prof. (Dr.) Raaz K. Maheshwari, Lenin Media, Delhi, India.

35. Emerging Environmental Contaminants and Global Healthcare Systems (2023). ISBN: 978-81-959169-2-4, Editors: Prof. (Dr.) Shyam Narain Pandey; Murtaza Abid, Prof. (Dr.) Syed Rais Haider; Dr. Sabiha Kazmi; Dr. Mohd. Zahid Rizvi, Published by: Discovery Publishing House, New Delhi (India).

36. ENVIRONMENTAL TOXICANTS AND THEIR MITIGATION STRATEGIES (2023). Ed. Dr. Bina Rani, Murtaza Abid, Dr. Santosh Kumar Verma, Prof. M.M. Abid Ali Khan, Dr. Amber Hasan and Dr. Raaz K. Maheshwari, ISBN 978-81-961204-4-3, Published by: DISCOVERY PUBLISHING HOUSE, India.

37. Prof. (Dr.) Abbas Ali Mahdi, Murtaza Abid, Prof. (Dr.) M.M. Abid Ali Khan and Dr. Sabiha Kazmi (2023). Biochemistry and Molecular Biology of Beneficial Plants, ISBN: 978-81-961204-1-2, Published by: DISCOVERY PUBLISHING HOUSE, India.

38. Murtaza Abid, M.M. Abid Ali Khan, Mohd. Zahid Rizvi and Adeel Ahmad Khan (2024). Recent Environmental Challenges and Sustainable Development, ISBN 81-622435-1-2, Published by: DISCOVERY PUBLISHING HOUSE, India.

39. Murtaza Abid, M.M. Abid Ali Khan, Amber Hasan, Raaz K. Maheshwari and Tabrez Zaki Abbas (2024). Biochemistry and Health Benefits of Pharmaceutical Plants, ISBN 978-81-942846-5-9, Published by Lenin Media Pvt. Ltd. Delhi, India.

List of Book Chapters Published by Murtaza Abid

1. Shyam Narain Pandey, **Murtaza Abid** and M.M. Abid Ali Khan (2018). Diversity, Functions, and Stress Responses of Soil Microorganisms, **Book: Plant Microbiome: Stress Response**, ISBN: 978-981-10-5513-3, Editors: Difuza Egamberdieva and Parvaiz Ahmad, Publisher: Springer Germany, Chapter 1, Pages 1-17.
2. **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, **Book: 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.
3. **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, **Book: New Dimensions in Microbiology ISBN 978-93-85160-84-4**, Editors Dr. M.M. Abid Ali Khan, Dr. John K. Grandy (U.S.), Dr. Egamberdieva Difuza (Germany), Murtaza Abid, Raaz K. Maheshwari and Dr. T.S. Naqvi, Publishers: Lenin Media Pvt. Ltd. Delhi, India, Chapter 25 pp 371-393.
4. Bina Rani, M.M. Abid Ali Khan, Vikram Singh Chauhan, **Murtaza Abid** and Raaz K. Maheshwari (2016). Decontamination of Wastewater and Smudged Soil Employing Bioremediation Technologies, **Book: Waste Water Generation, ISBN 978-935056-792-0**. Publishing by Discovery Publishing House Pvt. Ltd. New, Delhi, India, Chapter 7, 114-138.
5. Bina Rani, Shailendra Patni, Sukhraj Punar, **Murtaza Abid**, M.M. Abid Ali Khan and Raaz K. Maheshwari (2016). Employing Various Bioadsorbents to Mitigate Fluoride Ion Occurring in Groundwater of Nagaur City, Rajasthan, **Book: Technologies for Renewable Energy and Water Conservation, ISBN 978-93-85882-53-1**, Editors: Dr. Bina Rani, Murtaza Abid, Dr. M.M. Abid Ali Khan, Dr. Abdeen Mustafa Omer (U.K.), Dr. S. Rais Haider and Dr. Raaz K. Maheshwari, Publishers: Harshwardhan Publication Pvt. Ltd., Maharashtra, India, Chapter 12, pp 225-245.
6. Bina Rani, **Murtaza Abid**, M.M. Abid Ali Khan, V.K. Swami, Ashok K. Kakodia, Magan Prasad, M.K. Singh and Raaz K. Maheshwari (2016). RO Technology: An Emerging State-of-the-Art Contrivance for Producing Safe Drinking Water, **Book: Technologies for Renewable Energy and Water Conservation, ISBN 978-93-85882-53-1**, Editors: Dr. Bina Rani, Murtaza Abid, Dr. M.M. Abid Ali Khan, Dr. Abdeen Mustafa Omer (U.K.), Dr. S. Rais

Haider and Dr. Raaz K. Maheshwari, Publishers: Harshwardhan Publication Pvt. Ltd., Maharashtra, India, Chapter 16 pp 292-309.

7. Raaz K. Maheshwari, **Murtaza Abid** and M.M. Abid Ali Khan (2016). Climatic Change and Marine Livelihood, **Book: Biodiversity Conservation in Changing Climate ISBN 978-93-85995-03-3**, Editors: M.M. Abid Ali Khan, Murtaza Abid, Abdeen Mustafa Omer (U.K.), S. Nazeer Haider Zaidi and Raaz K. Maheshwari, Publisher: Lenin Media Pvt. Ltd, Delhi, India, Chapter 4 pp 74-99.
8. Bina Rani, Upma Singh, **Murtaza Abid**, M.M. Abid Ali Khan, Rita Singh Mazumdar, Ashok Kumar Kakodia and Raaz K. Maheshwari (2017). Escalating Hazardous Impacts of Municipal Solid Waste on Health and Environment Globally, **Book: Global Progress in Development of Sustainable Environment, ISBN: 978-93-5056-847-7**, Editors: M.M. Abid Ali Khan, Murtaza Abid, S. Rais Haider, Abdeen Mustafa Omer (U.K.), Dr. Raaz K. Maheshwari, Publisher: Discovery Publishing House Pvt. Ltd. New Delhi (India) Chapter 3, 66-87.
9. Bina Rani, **Murtaza Abid**, Raaz K. Maheshwari and M.M. Abid Ali Khan (2016). Hazards and Management of Solid Waste, **Book: New Innovations in Environmental Biotechnology, ISBN: 978-93-85995-03-3**, Editors: Dr. M.M. Abid Ali Khan, (India) Murtaza Abid (India), Dr. Abdeen Mustafa Omar (United Kingdom), Dr. S.N. Pandey and Dr. Raaz K. Maheshwari (India), Published by Lenin Media Private Limited, Delhi, India, Chapter 5 pp, 206-239.
10. Bina Rani, **Murtaza Abid**, Raaz K. Maheshwari and M.M. Abid Ali Khan (2016). Hazards and Management of Solid Waste, **Book: New Innovations in Environmental Biotechnology ISBN 978-93-85494-18-5**, Published by Lenin Media Private Limited, Delhi, India, Editors: Dr. M.M. Abid Ali Khan, (India) Murtaza Abid (India), Dr. Abdeen Mustafa Omar (United Kingdom), Dr. S.N. Pandey and Dr. Raaz K. Maheshwari (India), Chapter 5 pages 206-239.
11. Deepmala Verma, Itishree Bhati, M.M. Abid Ali Khan, **Murtaza Abid** and Raaz K. Maheshwari (2016). Decontamination of Wastewater Employing Bioremediation Technologies, **Book: New Innovations in Environmental Biotechnology ISBN 978-93-85494-18-5**, Editors Dr. M.M. Abid Ali Khan (India), Murtaza Abid (India), Dr. Abdeen Mustafa Omar (United Kingdom), Dr. S.N. Pandey (India) and Dr. Raaz K. Maheshwari (India), Published by Lenin Media Private Limited, Delhi, India, pages Chapter 17, 432-450.

12. M.M. Abid Ali Khan, **Murtaza Abid**, Abbas Ali Mahdi and Homa Jilani Khan (2017). Phytochemistry and Medicinal uses of *Allium sativum* L. (Garlic): An Overview, **Book: Biochemistry and Therapeutic uses of Medicinal Plants ISBN 987-93-5056-866-8**, Edited by Prof. Abbas Ali Mahdi, Prof. Y.K. Sharma, Murtaza Abid and Dr. M.M. Abid Ali Khan, 2017, Publisher: Discovery Publishing House Pvt. Ltd. New Delhi (India) chapter 13, pages 174-183.
13. M.M. Abid Ali Khan, **Murtaza Abid**, Homa Jilani Khan Mohammad Abdur Rahman and Abbas Ali Mahdi (2017). Phytochemistry and Therapeutic Properties of *Phyllanthus niruri* L. (Bhumi Amla): An Updated Review, **Book: Biochemistry and Therapeutic uses of Medicinal Plants ISBN 987-93-5056-866-8**, Edited by Prof. Abbas Ali Mahdi, Prof. Y.K. Sharma, Murtaza Abid and Dr. M.M. Abid Ali Khan, 2017, Publisher: Discovery Publishing House Pvt. Ltd. New Delhi (India) chapter 18, pages 253-269.
14. Bina Rani, Vikram Singh Chauhan, Deepmala Verma, Itishree Bhati, Meenakshi Yadav, **Murtaza Abid**, M.M. Abid Ali Khan and Raaz K. Maheshwari (2017). Brimming Nutritional facts and therapeutic applicability of spiny gourd (*Momordica dioica*) and Debonair passion fruit (*Passiflora edulis*) **Book: Biochemistry and Therapeutic uses of Medicinal Plants ISBN 987-93-5056-866-8**, Edited by Prof. Abbas Ali Mahdi, Prof. Y.K. Sharma, Murtaza Abid and Dr. M.M. Abid Ali Khan, 2017, Publisher: Discovery Publishing House Pvt. Ltd. New Delhi (India) chapter 21, pages 313-322.
15. Arshad H. Rizvi, M.M. Abid Ali Khan, **Murtaza Abid** and Gauri Saxena (2017). Phytochemical and Pharmacological Properties of *Ocimum* spp: A Review, **Book: Biochemistry and Therapeutic uses of Medicinal Plants ISBN 987-93-5056-866-8**, Edited by Edited by Prof. Abbas Ali Mahdi, Prof. Y.K. Sharma, Murtaza Abid and Dr. M.M. Abid Ali Khan, 2017, Publisher: Discovery Publishing House Pvt. Ltd. New Delhi (India) chapter 22, pages 325-343.
16. Upma Singh, Bina Rani, **Murtaza Abid**, M.M. Abid Ali Khan and Raaz K. Maheshwari (2017). Sustainability of Green Chemistry for Enhanced Livelihood: A Confront of 21st Century Upma Singh, **Book: Green Technologies for Environmental Security ISBN: 978-93-8585995-16-3**, Edited by Dr. Bina Rani, Dr. M.M. Abid Ali Khan, Murtaza Abid, Dr. SN. Pandey, Dr. Upma Singh and Dr. Raaz K. Maheshwari, Published by Lenin Media Private Limited, Delhi, India, pages Chapter 7, pages 109-131.

17. Bina Rani, **Murtaza Abid**, Upma Singh, M.M. Abid Ali Khan, Shailendra Patni, V.K. Swami, Ashok K. Kakodia, Sukhraj Punar and Raaz K. Maheshwari (2017). Filtering Contaminants and Efficient Management Strategies of water Resources, A perspective Outlook, **Book: Water Resources, Mapping, Monitoring and Management, ISBN 978-93-5056-861-3**, Edited by Dr. Pawan Kumar Tyagi, Dr. Avnish Chauhan and Dr. Pawan Kumar "Bharti", Publisher: Discovery Publishing House Pvt. Ltd. New Delhi (India), chapter 6, Pages 109-151.
18. Bina Rani, M.M. Abid Ali Khan, **Murtaza Abid**, Upma Singh and Raaz K. Maheshwari (2017). Exasperation of Stunning E waste: Its Hazards and management for well being, **Book: E-waste and Environmental Issues, ISBN 978-93-5056-886-6**, Edited by Dr. Resham Bhalla and Dr. Pawan Kumar "Bharti", Publisher: Discovery Publishing House Pvt. Ltd. New Delhi (India), Chapter 1, pages 1-31.
19. M.M. Abid Ali Khan, **Murtaza Abid**, Upma Singh, Bina Rani and Raaz K. Maheshwari (2017). Enduring Cell Phone use Masquerades health Jeopardy: A Study, **Book: E-waste and Environmental Issues ISBN 978-93-5056-886-6**, Edited by Dr. Resham Bhalla and Dr. Pawan Kumar "Bharti", Publisher: Discovery Publishing House Pvt. Ltd. New Delhi (India), Chapter 4, Pages 67-76.
20. Homa Jilani Khan, **Murtaza Abid**, M.M. Abid Ali Khan and Abbas Ali Mahdi (2017). Metal Analysis by Icp-Oes of Solanum nigrum L. Berries, **Book: 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 19, pages 366-374.
21. S.N. Pandey, **Murtaza Abid** and M.M. Abid Ali Khan (2017). Environmental Pollution Impacts: Phytotoxicity and Phytoremedial Approaches, **Book: Green Technologies for Environmental Security ISBN: 978-93-8585995-16-3**, Edited by Dr. Bina Rani, Dr. M.M. Abid Ali Khan, Murtaza Abid, Dr. SN. Pandey, Dr. Upma Singh and Dr. Raaz K. Maheshwari, Published by Lenin Media Private Limited, Delhi, India, pages Chapter 16, pages 246-264.
22. Homa Jilani Khan, **Murtaza Abid** and Abbas Ali Mahdi (2017). Phytochemistry and Pharmacological Profile of *Swertia chirayita* (Roxb. ex Fleming) H. Karst., **Book: Phytochemistry and Pharmacology of Medicinal Herbs ISBN: 978-93-85995-46-0**, Editors: Prof. Abbas Ali Mahdi, Murtaza Abid and Dr. M.M. Abid Ali Khan Publisher: Lenin Media Private Limited, Delhi, India pp, 15-25.
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40. **Murtaza Abid** and S.N. Pandey (2025). Sustainable zinc management in the soil of Sitapur District to improve growth and biochemical responses of *Zea mays* L., ICBAN-2025 National Conference, February 8-9, Jointly Organized by CLEAN AND GREEN ENVIRONMENTAL SOCIETY & CSIR-NATIONAL BOTANICAL RESEARCH INSTITUTE LUCKNOW - 226 001, UTTAR PRADESH (INDIA), pp 22, page no 75.

List of Papers of Murtaza Abid Published in Journals

1. **Murtaza Abid**, Israr Ahmad and Abbas Ali Mahdi (2016). In vitro evaluations of antibacterial and antifungal activity of the unsaponified components *Scilla indica* Baker, *International Journal of Advance Research in Science and Engineering* EISSN: 2319-8354 ISSN Print: 2319-8346, Vo. 5 Issue 10, pages no. 552-560.
2. Israr Ahmad, Harleen Kaur, **Murtaza Abid** and Mohd Kaleem Ahmad (2016). Isolation of Fungal Protease from *Aspergillus* species and its Application, *J. Biol. Chem. Research*. UGC Approved Journal No. 62923, Vol. 33, No. 2: 981-993.
3. Herleen Kaur, **Murtaza Abid**, Israr Ahmad and Mohd. Kaleem (2016). Isolation of Bactericidal and Fungicidal Saponin from *Lawsonia alba* L. Fruit Extract, *J. Biol. Chem. Research*. UGC Approved Journal No. 62923, Vol. 33, No. 2: 994-999.
4. **Murtaza Abid** and Abbas Ali Mahdi (2017). Occurrence of Broad Spectrum Antibacterial Agents in Roots of *Paeonia officinalis* L., *Indian Journal of Applied Research*, Volume - 7 | Issue - 7 | | ISSN - 2249-555X | IF: 4.894 | IC Value: 79.96 (Accepted) UGC Journal No. 49333, pp249-251.
5. **Murtaza Abid**, T.S. Naqvi, Mohammad Waseem and M.M. Abid Ali Khan (2017). Chemical Composition, Essential Oils and Pharmacology of *Pelargonium graveolens* L., *Global Journal for Research Analysis*, ISSN No. **2277-8160**, IF: **4.547**, IC Value, **80.26**, UGC Approved Journal No. **49177**, Volume-6, Issue 8, August, 2017, pp 605-607.
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7. Khushboo Chaudhary, Madhu Agarwal, **Murtaza Abid**, Vikram S. Chauhan, M.M. Abid Ali Khan, M.S. Naqvi, Piyush Panwar and Raaz K. Maheshwari (2016). Experimental Optimization of Extraction Conditions of Phenolic Compounds from Flaxseed, *Pisum* peel, *Aloe vera* peel, *Journal of Biological and Chemical Research* (EISSN 2319-3077 ISSN Print 0970-4973) **Global Impact Factor: 0.876, Infobase Impact Factor: 2.93, IC Value: 47.86, Sicientific Journal Impact Factor: 3.285, Journal Impact Factor: 4.275**, Vol. 33 (1) Part A, 1-23.

8. Bina Rani, **Murtaza Abid**, Vikram S. Chauhan, M.M. Abid Ali Khan, Prem S. Bugasara, Ashok Kumar Kakodia , Piyush Panwar, Sukhraj Punar, and Raaz K. Maheshwari (2015). Incredibility of Awesome Natural Antioxidants for Glamorous, Fascinating and Vivacious Demeanor, *Journal of Biological and Chemical Research* (EISSN 2319-3077 ISSN Print 0970-4973) **Global Impact Factor: 0.876, Infobase Impact Factor: 2.93, IC Value: 47.86, Scientific Journal Impact Factor: 3.285, Journal Impact Factor: 4.275**, Vol. 32 (2) Part C, 1062-1104.

9. Bina Rani, M.M. Abid Ali Khan, **Murtaza Abid**, Upma Singh and Raaz K. Maheshwari (2016). Dietetic Corollary and Revitalizing Affluence of Green Tea for Merriment and Sanguinity, *World Journal of Biology and Medical Sciences* (EISSN: 2349-0063) **Journal Impact Factor: 4.197**, Vol. 3 (1), 137-156.

- 10.Homa Jilani Khan, **Murtaza Abid**, T.S. Naqvi, Mohammad Waseem, Meenakshi Shukla and A.A. Mahdi (2017). A Review of Some Analytical Methods Used In Natural Products Research, *Global Journal for Research Analysis*, ISSN No. 2277-8160, IF: 4.547, IC Value, 80.26, UGC Approved Journal No. 49177, Volume-6, Issue 8, August, 2017.

- 11.Mohd. Zahid Rizvi, **Murtaza Abid** and M.M. Abid Ali Khan (2019). Applications of Nanotechnology in Diagnosis of Plant Diseases, *J. Biol. Chem. Research*. (EISSN 2319-3077 ISSN Print 0970-4973) **Global Impact Factor: 0.876, Infobase Impact Factor: 2.93, IC Value: 47.86, Scientific Journal Impact Factor: 3.285, Journal Impact Factor: 4.275**, UGC Approved List of Journals 62923, Vol. 36, No. 1, Part C: 181-188, 2019.

12. **Murtaza Abid**, S.N. Pandey and M.M. Abid Ali Khan (2021). Allelopathic Effect of Some Medicinal Plants on Seed Germination and Growth of Common Weeds, European Journal of Biomedical and Pharmaceutical Sciences, Impact Factor: 6.044, ICV 77.3 ISSN 2349 - 8870, Vol 8, Issue 11, 131-138.
13. **Murtaza Abid** and S.N. Pandey (2022). Effect of Zinc Fertilization and Chelate (EDTA and Citric Acid) Application in Soil on Growth and Some Biochemical Constituents of *Phaseolus vulgaris* L., *J. Biol. Chem. Research*. Vol. 39, No. 2, 223-229.
14. **Murtaza Abid** and S.N. Pandey (2024). Sustainable Ways of Zinc Fertilization in Soil with the Application of Citric Acid and Extract of Some Plants on Growth and a Few Biochemical Constituents of Tomato (*Solanum lycopersicum* L.), *J. Appl. Biosci.*, 50(2): 35-40.
15. Akanksha Dubey and **Murtaza Abid** (2024). Importance of Phytoconstituents of Parsley (*Petroselinum crispum*), *J. Biol. Chem. Research*. Vol. 41, No. 2, 49-54.

Conferences / Seminars Participated only

1. National Seminar on Himalayan Devastation and Eco-Balancing (under the auspices of the DST-PURSE Programme) Held at Department of Botany, Lucknow University, Lucknow on August 31, 2013.
2. Attended Swayam Siddha and Trinty Management Inc. organized by SN Tripathi Memorial Lectures, 2012 on Climate Change Water and Energy Crisis on August 23, 2012 at Indian Railways Institute of Transport Management, Lucknow, U.P., India.
3. Indo-US Symposium on Impact of Early Life Adversity on Developing Brain organized by Biochemistry Foundation and Indian Academy of Neuroscience (IAN) on October 29, 2013 held at Department of Biochemistry, King George's Medical University, Lucknow, U.P., India.