

## Curriculum Vitae

### Personal Details:

**Name:** -Dr. Rahila Rahman Khan

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### **EXPERIENCE: 14<sup>+</sup> years**

Currently working as an Assistant Professor, in the Department of Environmental Science at Integral University, Lucknow (U.P), India from 21 February, 2012 to till date.

### **NATURE OF DUTIES: PROFESSIONAL & ACADEMIC QUALIFICATION:**

Teaching, Research, Evaluation of Answer Sheet, Supervise Project / Dissertation, supervise to perform Practical, Member of Faculty Board, Member of Board of Studies, course coordinator at P.G. students (Evening), Examination Paper setter, Lab in charge, Member of Sustainability Committee.

### **PROFESSIONAL AND EDUCATIONAL QUALIFICATION:**

I.C.S.E- 1<sup>st</sup> Div from Methodist High School, Kanpur, Uttar Pradesh, India I.S.C-

1<sup>st</sup> Div from United Public School, Kanpur, Uttar Pradesh, India B.Sc. - 1<sup>st</sup> Div

from C.S.J.M University, Kanpur, Uttar Pradesh, India

M.Sc (Environmental Science) -1<sup>st</sup> Div from C.S.J.M University, Kanpur, Uttar Pradesh, India

MBA from A.P.J. Abdul Kalam Technical University

P h.D (Environmental Sciences) from Integral University, Lucknow, Uttar Pradesh, India

**Thesis-** Impact of Particulate Matter on the Health of Human Population of Kanpur City.

### **Total Teaching Experience: 14<sup>+</sup> years**

- Presently working as “Assistant Professor in Department of Environmental Sciences, Integral University, Lucknow. (Since 1<sup>st</sup> January, 2013).
- Worked as a “Lecturer” in Department of Environmental Sciences, Integral University, Lucknow (from 21<sup>st</sup> Feb 2012 to 31<sup>st</sup> December 2012)
- Worked as a teacher for 2 years at Public School in Kanpur.

### **Professional Membership:**

- Member of Editorial/ Advisory board (Asian Resonance, An International Journal ISSN: 0976-8602) from July 2014 to June 2015
- Member of Editorial board (Periodic Research, An International Journal P-ISSN: 2231-0045) from July 2014 to June 2015.
- Member of Editorial board (International Journal of Green Chemistry)
- Member of Editorial board (International Journal of Photo Chemistry)
- Member of Editorial board (International Journal of Environmental Chemistry)
- Online Membership of Science Advisory Board (Community of Scientific Professionals).
- Membership of International Society for Development and Society
- Life Time Membership Of The Indian Science Congress Association

### **Publications:**

- Alka Kushwaha, Ashok Kumar and **Rahila Rahman Khan** “A Comparative Assessment of Non Destructive and Destructive Methods for precise volume estimation of Mango” Journal of Applied and Natural Science, Volume 13(1) 183-190.
- M.J.A Siddiqui, Amina Jafri and **Rahila Rahman Khan** “Role of Environment in Development of Cancer” Journal of Innovations in Pharmaceuticals and Biological Sciences, Volume 3, 45- 53.
- **Rahila Rahman Khan** and Dr. M.J.A Siddiqui “Estimation of Air Pollution: A case study of Kanpur city in India”. Asian Resonance, Vol 2(1) January, 66-67.
- **Rahila Rahman Khan** and Dr. M.J.A Siddiqui “Review on effects of Particulates; Sulphur Dioxide And Nitrogen Dioxide on Human Health” International Research journal of Environmental Sciences Vol 3, 70-73.

- Rupali Dixit and **Rahila Rahman Khan** “To Determine The Available Nitrogen Content of Soil of Kanpur City” Research Times, Volume 2(1), 146-148.
- Alka Kushwaha, Ashok Kumar and **Rahila Rahman Khan** “Effect of wood density on above-ground biomass while measuring the mango trees” Indian Journal of Hill Farming, Special Issue 2022, Volume 35, Page 107-119.
- **Rahila Rahman Khan**, Shweta Dwivedi, Shweta Yadav, Rushda Sharf, Swati Maurya and Uma Prasad Pandey “Integrating AI With Iot Sensors For Real-Time Air Quality Monitoring And Prediction” International Journal of Environmental Sciences, Vol11, Page 2274-2287
- **Rahila Rahman Khan**, Rushda Sharf and Shweta Yadav “Investigating the Interplay Between Air Quality, Comfort and Health: Impacts on Productivity in Domestic and Professional Spaces” Indian Journal of Environmental Protection, Vol 46, 89-96
- Faimy Fatima, **Rahila Rahman Khan**, P. Kunwar and Kaneez Zaman” Geospatial Analysis Of Tree-Based And Shrub-Dominated Land Cover In Ayodhya District, Uttar Pradesh, India”. International Journal of Environmental Sciences, Vol11, 431-439
- Anam Taushiba, **Rahila Rahman Khan** and Alfred Lawrence” Indoor PM2.5 and Microbial Contaminants in Developing Countries: Sources, Chemical Interactions, Exposure Pathways, and Health Outcomes” Indian Journal of Advances in Chemical Science, Vol 14, 1-13
- Anam Taushiba, **Rahila Rahman Khan**, BSV Prakash and Alfred J Lawrence “A Comprehensive Review of Indoor Micro biological Contaminants”. Indian Journal of Advances in Chemical Science, Vol 10 , 159-163.

#### Patents:

- 4 Published [Indian Published]

#### Book Chapters:

- **Rahila Rahman Khan**, Ahmad Faiz Minai and Rushda Sharf “Integrating AI Approaches in Teaching-Learning Associated with the Mitigation of Air Pollution: A Comprehensive Analysis”. In Artificial Intelligence: A Multidisciplinary Approach towards Teaching and Learning. Bentham Science. DOI: [10.2174/9789815305180124010008](https://doi.org/10.2174/9789815305180124010008)
- Shahla Rahman Khan and **Rahila Rahman Khan** “Ground Water Contamination: A Risk on Health” In Environmental Health Human Welfare in Present Scenario. ABS Books, Delhi.
- **Rahila Rahman Khan** and Shahla Rahman Khan “Detrimental Effects Associated with Consumption of Tobacco through Smoking” In Environmental Health Human Welfare in Present Scenario. ABS Books, Delhi.
- **Rahila Rahman Khan**, Shahla Rahman Khan and Dr. Amina Jafri “Protecting Renewable Natural Resource – A Step Towards Sustainable Development” In Environment the Saviour of Mankind. Adhyayan Publishers and Distributors, Delhi.
- Dr. Amina Jafri, **Rahila Rahman Khan** and Shahla Rahman Khan “Environmental Ethics in relation to Sustainability of human on Earth” In Environment the Saviour of Mankind. Adhyayan Publishers and Distributors, Delhi.
- **Rahila Rahman Khan**, Amina Jafri and Riyazuddeen Khan “Air Pollution: A Biggest Environmental Risk and Curse to Human Health”. Environmental Challenges and Biodiversity (Peril and Conservation). Abhiram Prakashan, Lucknow.
- Riyazuddeen Khan, **Rahila Rahman Khan** and Amina Jafri “Phytoremediation: An Ecological Approach for Removal of Heavy Metals from Contaminated Soil”. Environmental Challenges and Biodiversity (Peril and Conservation). Abhiram Prakashan, Lucknow.
- Amina Jafri, Riyazuddeen Khan and **Rahila Rahman Khan** “Studies on Management Techniques of Biomedical Waste”. Environmental Challenges and Biodiversity (Peril and Conservation). Abhiram Prakashan.
- **Rahila Rahman Khan**, Shweta Yadav and Amina Jafri & Shahla Rahman Khan “Impact of Innovative Methods of teaching in Environmental Education” Innovative Pedagogies and Learning. World Lab Publication.
- Amina Jafri, **Rahila Rahman Khan** & Shweta Yadav “Application of Innovative Pedagogies in Teaching of Environmental Education” Innovative Pedagogies and Learning. World Lab Publication.
- Shweta Yadav, Amina Jafri & **Rahila Rahman Khan** “Role of Pedagogy in Advance Learning of Teaching Methods” Innovative Pedagogies and Learning. World Lab Publication.
- Amina Jafri, **Rahila Rahman Khan** & Monowar Alam Khalid “Reparation of Ecosystem in view of Sustainable Development Goals” Academic Publishers and Distributors.

- **Rahila Rahman Khan**, Amina Jafri, & Rushda Sharf “Assessing the Influence of Air Quality on Photovoltaic Performance” Environmental Problems, Protection and Policies, Academic Publishers and Distributors.
- Amina Jafri, **Rahila Rahman Khan** & Shweta Yadav “Natural Environment and Emotions” The Lawgical Junction and MJS Publishing House.

**Authored Book:** **Rahila Rahman Khan** and M.J.A Siddiqui Particulate Matter And human Health. Aargon Press, New Delhi.

**Paper Presented in Seminar/Conference:**

1. Presented a paper on “Detrimental Effects Associated with Consumption of Tobacco through Smoking” in a seminar on Environmental Health VIS-A VIS A State of Human welfare in present scenario held at D.A.V (P.G) College, Dehradun
2. Presented a paper on “Respiratory Health Effects of Air Pollution on Healthy Males” in the National Conference on Combating Air Pollution- A Step towards Cleaner Tomorrow held on 22<sup>nd</sup>-23<sup>rd</sup> Jan 2016 at IT College, Lucknow.
3. Presented a paper on “Assessment of Ambient Air Quality Status of Lucknow city” in the National Conference on Combating Air Pollution- A Step towards Cleaner Tomorrow held on 22<sup>nd</sup>-23<sup>rd</sup> Jan 2016 at IT College, Lucknow
4. Presented a paper on “Periodic identification of microbial indoor air contaminants and health hazard taxation in different microenvironments” in Asian Conference on Indoor Environmental Quality - ACIEQ 2023
5. Presented a paper on “Indoor Air PM2.5, PAHs,, And Microbial Contaminants – Hazardous Health Effects on Women” in IASTA National Conference, Mumbai held on December 12- 14, 2023.

**Awards/ Honors/ Recognition:**

1. Received Best Faculty Award by EET CRS, Research wing for Excellence in Education and Industry in 2021.
2. Convener of Faculty Development Program held from 19 July-1 August on “ Environmental Sustainability” organized by Department of Environmental Science, Faculty of Science, Integral University, Lucknow.

**Participation in Seminar/Conferences/Workshop/Symposia:**

**Workshops:**

1. Attended National Level workshop on “**Fundamentals of Nanoscience & Nanotechnology**” from 28<sup>th</sup> -30<sup>th</sup> January 2013 organized by Integral University, Lucknow.
2. Participated in National Level Workshop on “**Arm Controlled Robotics**” organized by Microbotric Technologies Pvt. Ltd. from 11<sup>th</sup>- 13<sup>th</sup> feb 2015.
3. Participated in 1<sup>st</sup> national level workshop on “**Intellectual property system: India today and tomorrow**” organized by Intellectual property right management cell, CCG&D, Integral university, Lucknow in collaboration with Intellectual property owners association, New Delhi on 10<sup>th</sup> January 2014.
4. Attended orientation workshop on “**Radiation Science and Applications**” organized by UGC- DAE Consortium for Scientific Research, Kolkata centre & Christ Church College, Kanpur on 10<sup>th</sup>-11<sup>th</sup> Feb 2012.
5. National level workshop on “**Computer aided drug designing (1st- NW-CADD- 2013)**” organized by department of Bioengineering, faculty of Engineering , Integral University, Lucknow in collaboration with Department of life Sciences, EGICORE, Lucknow from 9<sup>th</sup>-10<sup>th</sup> Nov 2013.
6. Participated in National Level Workshop “**Environmental Degradation: Anthropogenic Problems and their Prospects**” Organized by Faculty of Science Harsahai

P.G. College, Kanpur on 23<sup>rd</sup> January 2013.

7. Presented poster in National Level Workshop **“Environmental Degradation :Anthropogenic Problems and their Prospects”** Organized by Faculty of Science Harsahai P.G. College, Kanpur on 23<sup>rd</sup> January 2013.
8. Participated in National Level Workshop on **Data Analysis by SPSS Software** organized by department of Mathematics, Integral university, Lucknow on 25<sup>th</sup>
9. Attended Symposia on **Gender Equality and Health Promotion in Women** organized by Faculty of Pharmacy and Women Study Centre from August 22-23, 2022
10. Participated in National level Workshop on **“Proprioceptive Neuromuscular Facilitation”** Organized by Integral Institute of Medical Sciences & Research, Integral University, Lucknow on 24<sup>th</sup>-25<sup>th</sup> February 2015.
11. Participated in National level Workshop on **Water Pollution and its Management** organized by Department of Chemistry, DAV College, Kanpur on 31<sup>st</sup> October 2015.
12. Participated in National level Workshop on **“MOOCs and SWAYAM NPTEL Awareness** Organized by Department of Electronics and Communication Engineering, Faculty of Engineering, Integral University, Lucknow on 29<sup>th</sup> January, 2022.
13. Participated in National Level Workshop on **“Plagiarism and Code of Conduct”** organized by Human Resource Development Center from 2-3 March, 2022
14. Participated in National level Workshop on **“Proprioceptive Neuromuscular Facilitation”** Organized by Integral Institute of Medical Sciences & Research, Integral University, Lucknow on 24<sup>th</sup>-25<sup>th</sup> February 2015.
15. Participated in National level Workshop on **Water Pollution and its Management** organized by department of chemistry, DAV College, Kanpur on 31<sup>st</sup> october 2015.
16. Participated in National level Workshop on **“MOOCs and SWAYAM NPTEL Awareness** Organized by Department of Electronics and Communication Engineering, Faculty of Engineering, Integral University, Lucknow on 29<sup>th</sup> January, 2022.
17. Participated in National Level Workshop on **“Multidisciplinary Education and Road Map to Implementation”** organized by School of Liberal Arts and Sciences, Era University on 10 February, 2021

#### **National and International Conferences Participated:**

1. Participated in National level conference on **“Nano Science & Biotechnology Present and Future prospective”** organized by Deptt. of Nanobiotechnology, Life Science foundation India, Karnataka in collaboration with department of Bioengineering, Faculty of Engineering, Integral University, Lucknow on 20<sup>th</sup> April 2013.
2. Participated in National level conference on **“Nano Science & Nanaotoxicology and Nanoinformatics Present and Future prospective”** organized by Deptt. of Nanobiotechnology, Life Science foundation India, Karnataka in collaboration with department of Bioengineering, Faculty of Engineering, Integral University, Lucknow from 14<sup>th</sup> -15<sup>th</sup> March 2015.
3. Participated in National level conference on **“Combating Air Pollution A Step Towards a Cleaner Tomorrow”** organized by Department of chemistry, Isabella Thoubourn College, Lucknow from 22<sup>nd</sup> to 23<sup>rd</sup> January 2016.

#### **Seminars:**

1. Participated in National Seminar on **“Newer Trends in Physico-chemical techniques in chemistry”** under DST-PURSE organized by department of chemistry, University of Lucknow, Lucknow on 7<sup>th</sup> August 2013.
2. Participated in National Seminar on **“Environmental Health VIS-À-VIS Human Welfare in Present Scenario”** organized by Department of Zoology D.A.V (P.G.) College, Dehradun on 18<sup>th</sup>- 19<sup>th</sup> April 2016.

#### **Training/FDP/PDP/FIP:**

1. Two days training on **“Aquifer Management through Participatory Approach and Local Ground Water Issue”** under the Aegis of Rajiv Gandhi National Ground Water Training &

- Research Institute, Raipur on 27<sup>th</sup>- and 28<sup>th</sup> March 2015 held in Integral university.
2. One day training programme on “**Energy Efficiency**” by Petroleum conservation research association on 1<sup>st</sup> August 2015 held in Integral University.
  3. One day Faculty Development Programme on “**Perspective of Modern teaching techniques & Uses of Case Studies**” through experiential learning” held at Department of Business Management, Integral University, Lucknow on 22<sup>nd</sup> Aug 2015.
  4. Faculty Development Programme on “**Matlab**” organized by Department of Electronics & Communication, Faculty of Engineering under the Aegis of Academic Staff College, Integral University with technical collaboration from CETPA Infotech Pvt. Ltd., Lucknow held from 1<sup>st</sup> - 7<sup>th</sup> February 2016
  5. Two Weeks Professional Development Program on **Recent Trends in Green Technology for Sustainable Life** organized by Department of Electrical Engineering, Faculty of Engineering Integral University, Lucknow from 2<sup>nd</sup>-16<sup>th</sup> November, 2021
  6. Faculty Induction Program organized by UGC Human Resource Development Centre, Aligarh Muslim University, Aligarh from 13 November-17 December, 2021

#### **Short Term Course:**

1. Participated in Short term course on “**Effective Curriculum Implementation through ICT**” From 24<sup>th</sup> - 28<sup>th</sup> August 2015 organized by National Institute of Technical Teachers Training and Research Chandigarh.
2. Completed Short Term Course on “**Integrated Pest Management**” (Eight week online course) organized by IIT, Kanpur and Common Wealth of Learning.
3. Completed Short Term Course on “**GIS in Ag- Essentials and Applications**” (Eight week online course) organized by IIT, Kanpur and Common Wealth of Learning.
4. Completed Short Term Course on “**Weather Forecast in Agriculture and Agro – advisory**” (Eight week online course) organized by IIT, Kanpur and Common Wealth of Learning.
5. Completed Short Term Course on “**Nutrition, Therapeutics and Health**” (Eight week online course) organized by IIT, Kanpur and Common Wealth of Learning.
6. Completed Short Term Course on “**Fasal Utpadan k Moolbhoot sidhanth**” (Eight week online course) organized by IIT, Kanpur and Common Wealth of Learning.
7. Completed Short Term Course on “**Food Nutrition and Your Health**” (online course) organized by Open Universities, Australia.

#### **Administrative Responsibilities:**

- Member of Women Study Centre, Integral University, Lucknow.
- Member of Proctorial Board, Integral University, Lucknow.
- Member of Faculty Board, Faculty of Science, Integral University, Lucknow
- DQAC, Department of Environmental Science, Integral University, Lucknow.
- Member of BOS Department of Environmental Science, Integral University, Lucknow.
- Convener Academic Committee, Department of Environmental Science, Integral University, Lucknow.
- Coordinator, International Student Affairs, Department of Environmental Science, Integral University, Lucknow.
- Time-Table Coordinator

#### **Designing of Course Material / Syllabus Revision :**

1. Preparation of study material for Distance Learning Courses
2. Designing of Syllabus for B.Sc (Hons.) Environmental Science & M.Sc Environmental Science
3. Paper Setter and Examiner for UG & PG programme.

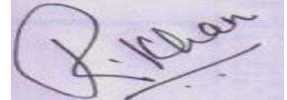
#### **Dissertation / Ph.D. Guidance:**

1. Supervised one PhD student
2. Presently Guiding 3 students as Ph.D Supervisor
3. Guiding students in project report at UG classes.

4. Guiding PG students on dissertation report

**Extra Curricular Activities:**

1. Delivered Lecture/presentation on “Ill Effects of Firework” in neighboring areas of Integral University along with NSS Camp.
2. Anchored Orientation Program, Organized by Faculty of Science, Integral University, Lucknow.
3. Anchored Number of Program Organized by Department of Environmental Science, Integral University, Lucknow.
4. Served as a member of various committee formed at university level during Convocation and Fiesta.



**Dr. Rahila Rahman Khan**