

DEEPAK KUMAR SAINI



Address:

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Academic Achievements:

- Qualified **CSIR-NET (Life Sciences)** June 2019 (Rank 61).
- Qualified **UGC-NET (Environmental Sciences)** 2019.
- Qualified **UGC-NET (Environmental Sciences)** 2018.
- Qualified **ICAR ASRB-NET (Agricultural Biotechnology)** 2016.
- Qualified **ICAR ASRB-NET (Agricultural Biotechnology)** 2014.
- Qualified **CSIR-NET (Life Sciences)** June 2007.
- Qualified **GATE (Life Sciences)** 2007 conducted by IIT Kanpur.

Educational Qualifications:

- 21.11.2022, submitted Ph.D. thesis entitled "Major Ambient Air Pollutants and their Impact on Plants and Human Health in Gajraula City" M.J.P. Rohilkhand University, Bareilly.
- 2014-2016 M.Sc. (Botany), Bareilly College, Bareilly.
- 2010-2012 M.Phil. Thesis entitled "Diagnostic utility of the tuberculin skin test and QuantiFERON-TB Gold In-Tube assay in children with suspected intra-thoracic tuberculosis in India" Centre for International Health (CIH), University of Bergen (UiB), Norway.
- 2004-2006 M.Sc. (Biotechnology), Jamia Hamdard University, New Delhi.
- 1998-2001 B.Sc. (Botany, Chemistry & Zoology), Bareilly College, Bareilly.

Experiences:

- Since 17 December 2019, working as an Assistant Professor (Botany) & Head of Department at Govt. Kamla Nehru Girls College, Damoh (Dept. of Higher Education, Govt. of Madhya Pradesh) selected through MP-PSC with the rank 53.
- Worked as a researcher at Department of Clinical Science, Faculty of Medicine, Haukeland University Hospital, Bergen, Norway. June 2012 to August 2012.
- Worked as a JRF at Department of Paediatrics, AIIMS, New Delhi. May 2009 to August 2010
- Worked as a JRF at Department of Physiology, AIIMS, New Delhi. October 2007 to January 2009.

Publications:

- ❖ **Deepak Kumar Saini**, and Mukesh Kumar. **(2022)**. "Seasonal Changes in Respiratory Health Status of Road-Side Vendors in Industrial City Gajraula." *Pollution Research* 41(3):1106-1111. **(NAAS Rating : 5.10)**
- ❖ **Deepak Kumar Saini**, and Mukesh Kumar. **(2021)**. "Respiratory Health Effects of Ambient Air Pollutants on Road-Side Vendors in Industrial City Gajraula, Uttar Pradesh, India." *Plant Archives* 21 (2):697-703. **(NAAS Rating : 4.41)**
- ❖ **Deepak Kumar Saini**, Anshuman Gupta and Mukesh Kumar. **(2021)**. Estimating the Response of Some Plant Species to Ambient Air Pollution in Industrial City Gajraula for Potential Green Belt Development." *Plant Archives* 21 (2):565-575. **(NAAS Rating : 4.41)**
- ❖ **Deepak Kumar Saini**, S.K. Garg and Mukesh Kumar. **(2019)**. "Major Air Pollutants and their Effects on Plant and Human Health: A Review." *Plant Archives* 19 (2): 3273-3278. **(NAAS Rating : 4.41)**
- ❖ Jenum, Synne, S. Dhanasekaran, Rakesh Lodha, Aparna Mukherjee, **Deepak Kumar Saini**, Sarman Singh, Varinder Singh, Guruprasad Medigeshi, Marielle C. Haks, Tom H. M. Ottenhoff, Timothy Mark Doherty, Sushil K. Kabra, Christian Ritz, and Harleen M. S. Grewal. **(2016)**. "Approaching a Diagnostic Point-of-Care Test for Pediatric Tuberculosis through Evaluation of Immune Biomarkers across the Clinical Disease Spectrum." *Scientific Reports* 6:18520. **(Impact Factor : 5.2)**
- ❖ Mukherjee, A., S. Saini, S. K. Kabra, N. Gupta, V. Singh, S. Singh, S. Bhatnagar, **D. Saini**, H. M. S. Grewal, R. Lodha, and Delhi TB Study group. **(2014)**. "Effect of Micronutrient Deficiency on QuantiFERON-TB Gold In-Tube Test and Tuberculin Skin Test in Diagnosis of Childhood Intrathoracic Tuberculosis." *European Journal of Clinical Nutrition* 68 (1):38–42. **(Impact Factor : 2.7)**
- ❖ Lodha, Rakesh, Aparna Mukherjee, Varinder Singh, Sarman Singh, Henrik Friis, Daniel Faurholt-Jepsen, Shinjini Bhatnagar, Savita Saini, Sushil K. Kabra, Harleen M. S. Grewal, and Delhi Pediatric TB Study Group (**Deepak Saini**). **(2014)**. "Effect of Micronutrient Supplementation on Treatment Outcomes in Children with Intrathoracic Tuberculosis: A Randomized Controlled Trial." *The American Journal of Clinical Nutrition* 100 (5):1287–97. **(Impact Factor : 6.77)**
- ❖ Khandelwal, Deepchand, Nandita Gupta, Aparna Mukherjee, Rakesh Lodha, Varinder Singh, Harleen M. S. Grewal, Shinjini Bhatnagar, Sarman Singh, S. K. Kabra, and Delhi Pediatric TB Study Group (**Deepak Saini**). **(2014)**. "Vitamin D Levels in Indian Children with Intrathoracic Tuberculosis." *The Indian Journal of Medical Research* 140 (4):531–37. **(Impact Factor : 1.72)**
- ❖ Lodha, R., A. Mukherjee, **Deepak Saini**, V. Singh, S. Singh, H. M. S. Grewal, S. K. Kabra, and Delhi TB Study Group. **(2013)**. "Role of the QuantiFERON®-TB Gold In-Tube Test in the Diagnosis of Intrathoracic Childhood Tuberculosis." *The International Journal of Tuberculosis and Lung Disease: The Official Journal of the International Union against Tuberculosis and Lung Disease* 17 (11):1383–88. **(Impact Factor : 2.6)**
- ❖ Mukherjee, Aparna, Sarman Singh, Rakesh Lodha, Varinder Singh, A. C. Hesseling, Harleen M. S. Grewal, Sushil K. Kabra, and Delhi Pediatric TB Study Group (**Deepak Saini**). **(2013)**. "Ambulatory Gastric Lavages Provide Better Yields of Mycobacterium Tuberculosis than Induced

Sputum in Children with Intrathoracic Tuberculosis.” *The Pediatric Infectious Disease Journal* 32 (12):1313–17. **(Impact Factor : 3.07)**

Book edited:

❖ Mishra, Shivangi, Adesh Kumar, Amita Kanaujia, **Deepak Kumar Saini**, and Manisha. **(2023)**. Folklore Connect Wildlife and Biodiversity. Bharti Publication. (ISBN: 978-81-19079-59-9)

Paper presented:

❖ Delivered an oral presentation entitled “Seasonal Variations in Biochemical Parameters of Few Medicinal Plants in Industrial City Gajraula” at Assam Botany Congress (ABC-02) and International Conference on Plant Science organized by Cachar College, Silchar, Assam, December 03-05, **(2021)**.

❖ Delivered a lecture on the topic of “Effects of Ambient Air Pollution on the Ascorbic Acid and Total Chlorophyll Contents of Few Medicinal Plants in Industrial City Gajraula” in the Three-day International Conference on Emerging Role of Pharmacist in Innovation, Discovery & Development of Biological Products & Bio-Pharmaceuticals organized by Department of Pharmaceutical Science, Gurukul Kangri (Deemed to be University), Haridwar, Uttarakhand, September 25-27, **(2021)**.

Faculty Developments Programs:

❖ Has successfully completed two weeks “**Refresher Course in Botany**” on 29th July– 13th August **2023** organized by Teaching Learning Centre, Ramanujan College, University of Delhi, sponsored by Ministry of Human Resource Development, Govt. of India under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.

❖ Has successfully completed nine days professional development programme on “**Implementation of NEP-2020 for University and College Teachers**” on 05th December– 13th December **2022** organized by IGNOU UCG-approved short-term professional development programme under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.

❖ Has successfully completed two weeks “**Refresher Course in Advanced Research Methodology**” on 22nd January– 05th February **2022** organized by Teaching Learning Centre, Ramanujan College, University of Delhi, sponsored by Ministry of Human Resource Development, Govt. of India under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.

❖ Has attended online “Research Methodology and ICT Tools” five days online **Faculty Development Program** from 16th – 20th February **2021** conducted by Chhatrasal Govt. PG College, Panna, Madhya Pradesh.

❖ Has organised and attended online five day **Faculty Development Program** from 02nd– 06th February **2021** conducted by Govt. Kamla Nehru Girls College, Damoh, Madhya Pradesh.

❖ Has attended online “Research & Teaching Techniques” five day online **Faculty Development Program** from 18th– 22nd January **2021** conducted by Govt. PG College, Damoh, Madhya Pradesh.

- ❖ Has successfully completed one month **“Orientation Program”** on 04th June– 01st July **2020** organized by Teaching Learning Centre, Ramanujan College, University of Delhi, sponsored by Ministry of Human Resource Development, Govt. of India under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.
- ❖ Has attended online **“One Week Faculty Development Program”** from 20th – 31st July **2020** conducted by Govt. Narmada College, Hoshangabad (An Institute of Excellence), Madhya Pradesh.
- ❖ Has successfully completed one week departmental **“Induction Program (Batch 765)”** on 02nd March – 07th March **2020** at RCVP Noronha Academy of Administration and Management, Bhopal sponsored by Ministry of Higher Education Dept., Govt. of Madhya Pradesh.

Workshops & conferences:

- ❖ Has attended **“How to Describe Plants”** six days online **Workshop** from 07th – 14th September **2021** organized by Dept. of Botany and Microbiology, Govt. Girls College, Katni, Madhya Pradesh.
- ❖ Has participated three days National e-**Workshop** on **“Teaching Skills Development”** on 22nd– 24th March **2021** organized by Govt. College Patharia, Damoh(M.P.)
- ❖ Has successfully completed two week online **Workshop** on **“Comprehensive e-Learning to e-Training guide for Administrative Work”** on 25th May – 05th June **2020** organized by Teaching Learning Centre, Ramanujan College, University of Delhi, sponsored by Ministry of Human Resource Development, Govt. of India under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.
- ❖ Has successfully completed one week online **Workshop** on **“Open Source Tools for Research”** on 08th – 14th June **2020** organized by Teaching Learning Centre, Ramanujan College, University of Delhi, sponsored by Ministry of Human Resource Development, Govt. of India under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.
- ❖ Has attended online **Workshop** on **“Academic Enhancement & Excellence in Higher Education”** on 11th – 14th July **2020** organized by IQAC, Govt. Girls College, Betul (M.P.).
- ❖ Has attended online **“SPARC-INDO-US Immunology Workshop”** on 12th – 13th June **2020** jointly organized by IIT Ropar, India and The George Washington University, USA.
- ❖ Has attended online **“National Workshop in Structural Bioinformatics – In-Silico Techniques in Drug Designing”** on 27th– 29th May **2020** jointly organized by Bioinformatics Center (SubDIC), Dept. Of Biotechnology, Barkatullah University, Bhopal and Corporate Institute of Pharmacy, Bhopal.
- ❖ Has attended post conference, hands-on **Workshops** on Bio-Plex Bead Array System and V3 Western Blot workflow on 19th and 20th December **2011** at department of Physiology, All India Institute of Medical Sciences as a part of the APPICON 2011.
- ❖ Has attended **“International Symposium on Protective Nutrients”** 23rd - 24th February **2010** at department of Pediatrics, All India Institute of Medical Sciences, New Delhi.
- ❖ Has attended **“International Symposium on Stem Cell Potentials in Renal Repair and Regeneration”** on 7th December **2009** at department of Pediatric Surgery, All India Institute of Medical Sciences, New Delhi.

- ❖ Has participated as Coordinator in “**Continuing Medical Education** Programme in Panchakarma” 25th - 27th August **2008** at Central Research Institute for Ayurveda, New Delhi, sponsored by AYUSH (Ministry of Health & Family Welfare, Govt. of India).
- ❖ Has attended “National Campaign on Ayurveda & Siddha for Geriatrics Health Care”, 23rd - 24th January **2008** at India Habitat Centre, New Delhi, conducted by CCRAS, department of AYUSH (Ministry of Health & Family Welfare, Govt. of India).

Other Achievements:

- Participated in State level Chess tournament (2022-23), conducted by Madhya Pradesh Higher Education department.
- Participated in Division level Chess tournament (2022-23), conducted by Madhya Pradesh Higher Education department.
- Qualified State Level Sir C. V. Raman Annual Science Scholarship Contest 1996-97 in senior level organised by Allied Social Welfare Foundation, under patron-ship of Council of Science & Technology, Uttar Pradesh (Department of Science & Technology, Govt. Of Uttar Pradesh).

Place: Damoh (Madhya Pradesh)

Deepak Kumar Saini