




Faculty Details proforma for Gargi College

Title	Dr.	First Name	Renu	Last Name	Soni	
Designation	Assistant Professor					
Address	Puri Anand Vilas, Sector 81 Opp Aravali International School Escorts Nagar, Faridabad 121007					
Phone No Office						
Residence*						
Mobile*	9810319898					
Email	renu_mundhara@yahoo.co.in renu.soni@gargi.du.ac.in					
Web-Page						
Educational Qualifications						
Degree	Institution				Year	
Ph.D	Botany Department, D.U				2005	
M.Phil	Botany Department, D.U				2000	
M.Sc. (Botany)	Hindu College, D.U				1999	
B.Sc. (Botany)	Gargi college, D.U				1997	
Career Profile						
Teaching experience 14 years						
Areas of Interest / Specialization						
Plant Growth Regulation, Plant Tissue culture, Plant Physiology						
Subjects Taught						
Plant systematics, Plant Physiology, Reproductive Biology, Plant Metabolism, Intellectual Property Rights						
Recent Publications						
Publications:						
1. Anamika Saini et al., 2019 Identification of Common Food Adulterants in Selected Food Items collected from Local Grocery Stores and Supermarkets. Journal of Agricultural Engineering and Food Technology (JAEFT); volume 6(1) pp 79-82						

2. **Soni, R.**, Puri, R., & Kapai, V. Y. (2020). Floristic composition and life form spectrum analysis of vascular plants growing in Gargi College campus, University of Delhi, Delhi-49. *The Journal of Plant Science Research*, 36(1/2), 167-175.
3. Bharadwaj, B., Sahu, K., Kumari, N., Sharma, S., Tamanna, Geeta, Mishra, R., & **Soni, R.** (2021). Morphological, physiological and biochemical facets of *Ricinus communis* and *Ficus racemosa* plants grown at three different sites. *HANS SHODH SUDHA*, 1, 50–63.
4. Zabin, D., Shekher, A., Yadav, M., **Soni, R.**, Singh, G., (2022). Synthesis and Characterization of Silver Nanoparticles using Leaf Extracts of Medicinal plants and its Impact on *Anabaena doliolum*. *Journal of Scientific Research*, 66(1).
5. Singh, G., Sahu, P., Sharma, A., Butool, B., Sarkar, R., Mishra, R., & **Soni, R.** (2022). Public awareness about the usage of medicinal herbs found in the kitchen and their potential against covid-19 disease. *Plant Archives (09725210)*, 22(1).
6. Agrawal, H., Vashishtha, H., Debnath, I., Agarwal, P., **Soni, R.**, & Mishra, R. (2022). Public perceptions and experiences with the on-going COVID-19 immunisation programme in India: A survey based study. *Journal of Scientific Temper (JST)*, 10(3).
7. Agarwal, P., **Soni, R.**, Kaur, P., Madan, A., Mishra, R., Pandey, J., Singh, S & Singh, G. (2022). Cyanobacteria as a promising alternative for sustainable environment: Synthesis of biofuel and biodegradable plastics. *Frontiers in Microbiology*, 13.
8. **Soni, R.**, Prakash, G., Sharma, S., Sinha, D., & Mishra, R. (2023). Role of microbes in alleviating abiotic stress in plants. *Plant Science Today*.
9. **Soni, R.**, Singh, N., Singh, G., & Raj, S. (2023). Significance of Plants in Vedic Astrology, their Socio-Religious Beliefs, Conservational and Therapeutic Aspects. *Ecology, Environment and Conservation*, 29(1).
10. Mendiratta, A., Mendiratta, S., Sharma, A., Agarwal, P., Mishra, R., **Soni, R.**, (2023). Myths and Misinformation on Social Media: Insights int. *Journal of Scientific Research*, 67(2).

Book chapters:

1. **Renu Mundhara Soni** and Aparna Nautiyal 2016 Role of Medicinal Plants in Women Health care, Medicinal plants edited by Suresh Kumar, pg. 213-229, Campus Books International
2. Garima Malik and **Renu Soni**, 2016. Rhizofiltration: Plant Based Technology to clean

- polluted water. In: Proceedings of National Seminar on Water and Air Quality in Urban Ecosystem. Shiva College, University of Delhi.
3. **Renu Mundhara Soni** and Aparna Nautiyal 2016. *Calotropis procera*: A magical wild plant with blessings in Human Biological system. In: Vandana (Ed.) Biomedical and Environment, Campus Books International, New Delhi pp. 180-202
 4. Renu Soni 2016. Foliage House Plants as Nature's Indoor Air Purifier. In: CPDHE (Ed.) Evolution of Education System in Bharat. New Delhi Publishers pp 97-102.
 5. Aparna Nautiyal and **Renu Mundhara Soni** 2016. Exploring the medical potential of a commonly occurring weed plant- *Euphorbia hirta* weed. In: Vandana (Ed.) Biomedical and Environment, Campus Books International, New Delhi pp. 180-202.
 6. **Renu Soni**, Ruchitra Gupta and Garvita Singh 2017 Some traditional spices with potential home remedies: A Review In: Scope of Phytochemically Unexplored Medicinal Plants (Ed.) Enriched Publications, New Delhi pp. 45.
 7. **Renu Soni** and Shachi Agrawal. 2017 *Litchi chinensis*: Taxonomy, Botany and its Cultivars. In: Kumar, M., Kumar, V., Prasad, R. and Varma, A. (Eds.) The Lychee Biotechnology, Springer Singapore eBook ISBN 978-981-10-3644-6, Hardcover ISBN 978-981-10-3643-9, DOI10.1007/978-981-10-3644-6
 8. **Renu Soni** and Shachi Agrawal **2018**. Role of ethnobotany in modern medicines with special reference to Rauvolfia serpentina, Trichopus zeylanicus, Artemisia sp. and Withania somnifera. In: Kumar S. (Ed.) Ethnobotany Volume 1, Kojo Press (ISBN-10: 8193380543 ISBN-13: 978-8193380543
 9. Geeta Prakesh, **Renu Soni**, Reema Mishra and Shweya Sharma. **2019** Role of Plant-Microbe Interaction in Phytoremediation. In: Kumar, M., Muthusamy A, Kumar V, and Bhalla Sarin N A. (Eds.) In vitro plant breeding towards Novel Agronomic Traits, Springer Singapore eBook ISBN 978-981-32-9823-8.
 10. Agarwal S and Soni R., (2022) Energy -Crises, Challenges and Solutions/Renewable energy-Sources, Importance and Prospects for Sustainable Future. In : Singh P, Singh S, Kumar G and Baweja P (Eds.) Energy -Crises, Challenges and Solutions (pp 131-145), Wiley Blackwell, ISBN 978-1-119-74144-2
 11. Mishra, R., **Soni, R.**, Agarwal, P., & Mohanty, A. (2023). Utility of Probiotics in Aquaculture. In : [Singh M.](#), [Singh G.P.](#), and [Tyagi S](#) (Eds.) Microbial Products: Applications and Translational products pp. 249-271. CRC Press. ISBN 9781003306931.

Popular Articles:

Renu Mundhara Soni and Shashi Tyagi (October 11, 2015) **Kuttu and Singhada: India's magical fasting food. Published in The Free Press Journal, Mumbai Edition**

Renu Mundhara Soni, Garima Malik and Geeta Mehta (March 7, 2016) Mahashivaratri: Favorite Plants of Lord Shiva by FPJ Bureau, (www.Freepressjournal.in)

Renu Soni, Garima Malik and Usha Prasad (March 12, 2017) **Go Herbal this Holi and how to make natural colours** in <http://epaper.freeprejournal.in/m/1133762/The-Free-press-journal-Mumbai-Edition/12-March-2017#issue/17/1>

Conference Organization/ Presentations

- Organized **National webinar** “Virtual classes Tools: Google classroom, Google meet and you tube” (11.5.20)
- Organized the **National level virtual one week short term course** on the topic “Plant Systematics-Classical to Molecular Approach” held from 20th -25th July, 2020 at Department of Botany, Gargi College, University of Delhi.
- Organized **National virtual three day Workshop** on the topic “Create Your Own Garden” organized by Garden Committee, Gargi College, University of Delhi, New Delhi (5-7th November, 2020).
- Organized **Alumni Interaction** with Batch 2020 for Botany and Life Sciences students (24.04.21)
- Organized **webinar** “Floral Gardening Skills- Bring Home Nature and Get Soulfully Connected”. 19.7.21
- Organized Botany Alumni meet (14.8.21)
- Organized Alumni lecture series (July 21-April 22)
- Convener and organizer of the Flower show- “Gargi Blooms.” From 2020 onwards
- Organised saplings distribution in college campus every year
- Convener cum organizer of the Alumni Interaction Session (4.2.23)
- Convener for an Add-on Course on the topic “Advances in Plant Sciences: 2022-2023
- Convener and organizer of the Flower show- “Gargi Blooms (15.03.23)

- Convener of training session “My Waste My Responsibility (5.06.23)
- **Presented poster** in **International Conference** by IQAC and Department of Food technology, Shyama Prasad Mukherji College For Women entitled “Contemporary Issues in Integrating Health and Nutrition with the emerging Areas of Food Technology, Agriculture, Environment and Allied Sciences” held on 6th April, 2019 at , Shyama Prasad Mukherji College, University of Delhi.
- **Presented poster** entitled ‘Role of TKDL in protecting India Traditional Knowledge’ at National Conference on “Challenges and Strategies to improve crop productivity in changing Environment: An Integrated Approach” organised by Zakir Husain college, D.U on 12th January 2018.
- **Presented poster** in One Day Seminar on “Intellectual Property Rights” organized by Shivaji College, University of Delhi, held on 6th November, 2019.
- **Presented poster** in **Interdisciplinary National Conference** on “Intellectual Property Rights (IPR): Challenges and Prospects” organized by Department of Botany , Maitreyi College, University of Delhi, held on 22nd- 23rd October, 2019.
- **Poster presentation** on the topic “Polyhydroxy alkonates: A substitute for conventional petro-based plastics” in International conference on Genetics and genomics Technologies for crop improvement :GGTCI-2021 organised by department of Botany Hansraj College, D.U in association with CIMMYT-Mexico 1-3 August ,2021
- **Poster presentation** on the topic “ Genome editing techniques: Applications, Advantages and disadvantages ” in International conference on Genetics and genomics Technologies for crop improvement :GGTCI-2021 organised by department of Botany Hansraj College, D.U in association with CIMMYT-Mexico 1-3 August ,2021
- **Oral paper presentation** entitled “Role of plants as Natural Indoor Air Cleaner” In three days National seminar by Commission of Scientific and Technical Terminology (CSTT), MHRD, Govt. of India entitled “Use of scientific & technical terminologies in sustainable environment development, its challenges, computational analysis and opportunities” held on 14-16 March, 2019 at Gargi College, University of Delhi.
- **Oral presentation** on the topic Effect of COVID 19 Pandemic on Biotic and Abiotic Factors of Environment in the International Interdisciplinary e-Conference on

“Sustainable Future for Humanity: The New Learning Curve” held on February 24, 2021 organized by Maitreyi College, University of Delhi, India under the aegis of Avgaahan

- **Oral presentation** on the topic “Significance of Kitchen Pharmacy during Covid-19 pandemic National conference on Realms of plant diversity: explorations with novel perspective” held on August 24, 2021 organized by Maitreyi College, University of Delhi

Professional Training:

- Attended five days FDP entitled “Recent Updates on Nutrition : Focus on metabolic disorders” organized by Centre for Nanoscience and Nanotechnology, Sathyabama Institute and technology, Chennai, from 03.01.22 to 07.01.22.
- Attended Webinar on “ Free Scopus Indexed Journal for newcomer researchers” held on 30, July 2021 organized by Progress with Prof. Mahamani, Youtube channel.
- Attended National Webinar on “ Immunity and natural immunity booster: A scientific overview ” held on 31, July 2021 organized by the Department of Botany, Maitreyi College, University of Delhi.
- Attended National Webinar on “Intellectual Property of Right” held on 3, August 2021 organized by the Akkamahadevi women’s Arts, Science and commerce college, Bagalkot, Karnataka.
- Completed two-week interdisciplinary refresher course/faculty development programme for “ADVANCED RESEARCH METHODOLOGY Tools and Techniques” from 30 January, 2021 - 14 February, 2021 organized by Teaching Learning Centre, Ramanujan College University of Delhi
- Completed One Week Online Faculty Development Programme on "ICT ENABLED TEACHING LEARNING" September 7 - September 13, 2020 organized by Teaching Learning Centre Ramanujan College University of Delhi and Janki Devi Memorial College University of Delhi
- Completed online certification course on Digital Teaching Techniques organized by ICT Academy from 07 Dec 2020 to 12 Dec 2020.
- Attended Five Days Online International Workshop on Intellectual Property Right

(Equivalent to Faculty Development Program) held during February 09-13, 2021 organized by DDU college, University of Delhi

- Attended one week FDP on “Stress and Anger Management” held from 15-19.12.20 organized by Jaipur Engineering College and Research Centre, Jaipur
- Completed online FDP on ‘Innovation in Scientific Research Methods held from 14-18th October,20 organized by Kirori Mal college, University of Delhi
- Completed two-week interdisciplinary refresher course/faculty development programme for “ADVANCED RESEARCH METHODOLOGY Tools and Techniques” from 30 January, 2021 - 14 February, 2021 organized by Teaching Learning Centre, Ramanujan College University of Delhi
- Attended International Conference on “Revisiting wellbeing: Perspectives, Challenges and the Road A head” held on 1 and 2, February 2023 organized by Gargi College.
- Attended workshop on “ Hydroponics- Smart Urban Farming” held on 11 March,23 organized by Kirori Mal college,D.U
- Attended workshop on “Role of mushroom cultivation in women Empowerment : An Indian Perspective” held on 1 April ,23 organized by Kirori Mal college, D.U

Awards, Prizes and Distinctions

1. Secured first Position in the University in M.Sc. Botany.
2. Recipient of Panchanan Maheshwari Memorial Prize for best student in M.Sc.
3. Merit certificate and Prize from Hindu College for standing first in M.Sc in college and in University.
4. Merit certificate in B.Sc. first year for securing fourth position in University.
5. **Secured 1st position** in poster presented in One Day Seminar on “Intellectual Property Rights” organized by Shivaji College, University of Delhi, held on 6th November, 2019.
6. **Secured 2nd position** in poster presented in **Interdisciplinary National Conference** on “Intellectual Property Rights (IPR): Challenges and Prospects” organized by Department of Botany , Maitreyi College, University of Delhi, held on 22nd- 23rd October, 2019.
7. Secured second position in paper presentation in the National Webinar on “Realms of Plant Diversity: Explorations with Novel Perspective” held on 24, August 2021

organized by the Department of Botany, Maitreyi College, University of Delhi

8. Received the National Environmental Education and Awareness Award from the Indian Institute of Ecology and Environment, New Delhi on 5.06.23

Association With Professional Bodies

Supported **Centre for Science (CSE)** in coordinating a user perception survey of city bus passengers in Delhi between 24th to 31st July, 2019 as a part of CSE's initiative on Air pollution and public transport reforms in Delhi.

Administrative Activities

S.No.	Nature of Activity	Designation	Institution/Department
2.	Courses committee	Member	Botany Department
3	Member of Governing Body	Member	Gargi College
4.	Garden Committee	Convener	Gargi College
5.	Alumni Committee	Member	Gargi College
6.	Prize Committee	Member	Gargi College
8.	NAAC Team –Botany Department	Member	Botany Department