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## Editor's Biography



**Prof. (Dr.) Rajesh Singh**

Prof.(Dr.) Rajesh Singh, is currently associated with Uttarakhand University as Professor and Director (Research & Innovation) with more than seventeen years of experience in academics. He has been featured among top ten inventors for ten years 2010-2020, by Clarivate Analytics in “India’s Innovation Synopsis” in March 2021. He has more than five hundred patents in his account, including Sixty Seven patents grant, 5 PCT and published more than two hundred and eighty research papers in SCI/Scopus journals.

He has published forty two books in the area of Embedded Systems and Internet of Things with reputed international publishers. He has been awarded with “Gandhian Young Technological Innovation (GYTI) Award”, as Mentor to “On Board Diagnostic Data Analysis System-OB DAS”, Appreciated under “Cutting Edge Innovation” during Festival of Innovation and Entrepreneurship at Rashtrapati Bahawan, India in 2018. He has been honored with “Certificate of Excellence” from 3rd faculty branding awards-15, Organized by EET CRS research wing for excellence in professional education and Industry, for the category “Award for Excellence in Research”, 2015 and young investigator award at the International Conference on Science and Information in 2012.

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**Prof. (Dr.) Anita Gehlot**

Prof. (Dr.) Anita Gehlot is currently associated with Uttarakhand University as Professor & Head (Research & Innovation) with more than fifteen years of experience in academics. She has been featured among the top ten inventors for ten years 2010-2020, by Clarivate Analytics in “India’s Innovation Synopsis” in March 2021. She has more than four hundred patents in her account with sixty-seven patent grants, 5 PCT, and has published more than two hundred research papers in SCI/Scopus journals.

She has published forty books on Embedded Systems and the Internet of Things with reputed international publishers. She was awarded “Gandhian Young Technological Innovation (GYTI) Award”, as a Mentor to “On Board Diagnostic Data Analysis System-OBIDAS”, Appreciated under “Cutting Edge Innovation” during the Festival of Innovation and Entrepreneurship at Rashtrapati Bahawan, India in 2018. She has been honored with a “Certificate of Excellence” from the 3rd Faculty Branding awards-15, Organized by the EET CRS research wing for excellence in professional education and Industry, for the category “Young Researcher”, 2015.

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### **Dr. Anurag Malik**

Dr. Anurag Malik is a distinguished scholar in agricultural science, with a strong research portfolio that includes 27 research papers, 15 review papers, 2 edited books, 6 chapters in volumes published by international publishers, and 10 popular articles. His academic journey has been deeply influenced by his commitment to addressing some of the most critical challenges of the 21st century: global climate change, population growth, and food insecurity. He focused on identifying the optimal maturity stages for hybrid seed production of bottle gourd through extensive field and laboratory studies over two years. This work highlighted the importance of quality seeds in ensuring high crop productivity and sustainability. Currently serving as an Assistant Professor at Uttarakhand University, Dr. Malik continues to contribute to the field with his research and expertise, making significant strides in the pursuit of agricultural innovation and food security.

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**Atreyi Pramanik**

Atreyi Pramanik is a PhD student at Uttaranchal University, Dehradun, with experience in managing lab facilities, securing large donations for research projects, and collaborating with professionals. She has worked at House of Diagnostics, SpiceHealth Pvt. Ltd, and Genestore India, where she managed COVID-19 and HLA-B27 diagnoses. She has also worked at All India Institute of Medical Sciences, where she studied infection biology using clinical data to study parasite infection biology of *P.falciparum*, *P.vivax*, and *P.knowlesi*. She has also trained in *Plasmodium* and *Leishmania* cultivation, microscopy imaging, parasitemia count, and inhibitor assays. She is interested in finding a new biomarker for enteropathy for patients with gluten challenges, also known as Celiac disease. She has also worked at the CSIR-Institute of genomics and Integrative, where she developed a database for Type 2 diabetes and associated disorders using data mining on the R platform. She has also edited papers for submission to prestigious academic and industry journals, published research in peer-reviewed journals, and presented scientific articles in journal clubs.

She has a background in biophysical assays and has worked at the Rajendra Memorial Research Institute (RMRI) in Patna, India. She have studied the role of Peroxiredoxin, an antioxidant molecule, in detoxifying oxidative stress produced by macrophages after infection. She also used molecular techniques like overexpression, restriction digestion, and leishmania culturing. She have a strong IELTS General Training Score and have gained experience in using Microsoft Excel for inventory tracking spreadsheets. She pursued vocational training in quality control and have participated in various conferences and seminars. Her publications include research on the impact of the COVID-19 pandemic on adherence to gluten-free diets in Indian patients with celiac disease, the association of dengue virus and leptospira co-infections with malaria severity, and the development of non-invasive biomarkers for celiac disease. She have also contributed to the development of second-generation biofuels and the elimination of lymphatic filariasis.

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**Aashna Sinha**

Miss. Aashna Sinha is an accomplished researcher and academic currently serving at Uttarakhand University. With a robust academic background and significant contributions to her field, she has established herself as a leading expert in biomedical sciences.

Her academic journey is marked by an impressive list of publications, having authored 32 papers in SCI/Scopus journals. Her research focuses on cutting-edge topics within her field, showcasing her commitment to advancing scientific knowledge and understanding.

She brings valuable practical experience to her role. She has previously served as a Junior Scientific Officer at a renowned diagnostic centre, where she gained hands-on experience and insight into the application of scientific principles in clinical settings. She has also pursued specialized training, holding a certificate in Biomedical Nanotechnology and Stem Cell Technology. This additional qualification underscores her dedication to staying at the forefront of technological advancements in her field.

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