



75
Azadi Ka
Amrit Mahotsav

VIGYAN VIDUSHI

75 WOMEN TRAILBLAZERS OF SCIENCE



विज्ञान प्रसार
VIGYAN PRASAR

An autonomous organisation of
Department of Science & Technology, Govt. of India



Future Hopes

Young women in science are leaving no stone unturned in carrying forward the legacy of our “Vidushis” and are striving high in their respective fields. Be it Biotechnology, Astrophysics, Life Sciences, Mathematics, Chemical Sciences, Food Technology, Bioinformatics, or any emerging stream like Artificial Intelligence, young women scientists are contributing in every field and are setting new milestones with each passing day. As the nation rests its hope on the strong and young shoulders, we all must take pride in reading about what these “Young Vidushis” are doing, their achievements, and what more they tend to achieve in the future for they are the ones, who will shape the course of science in India and would help to formulate or shape its policy. This book covers a list of a few of young Vidushis besides the 75 women stalwarts in science.



Dr DEVAPRIYA CHATTOPADHYAY
Earth and Climate Science

She is an eminent Geologist and Associate Professor and Chair, Earth and Climate Science at IISER, Pune. She tries to understand how marine organisms respond to their physical and biological environment in the ecological and evolutionary time scales. She uses shelled molluscs as a model system because of its impressive fossil record, ubiquitous presence and carbonate shells. In addition, the members of her research group also work on modern organisms using underwater observations. Dr Devapriya received Staff Exchange Award, UKIERI, British Council in 2012, Ernst Mach Scholar, University of Vienna, Austria (2011, 2014).



Dr DHANASHREE ASHOK PARANJPE
Animal Behaviour

She is DBT Ramalingaswami Fellow and Dept of Biodiversity, Abasaheb Garware College, Pune. Her area of research is Animal Behavior, Ecology and Evolution. Currently she is studying the impact of human vicinity on Indian Peafowl (*Pavo cristatus*) populations in terms of feeding habits, reproductive behaviors, communication and demographics across India. She obtained her doctorate in Circadian Biology and life history evolution from Jawaharlal Nehru Center for Advanced Scientific Research, Bangalore. She received NSF Post-doctoral Research Fellowship at the University of California (2010).



Dr FARAH ISHTIAQ
Vector Ecology and Genomics Surveillance

She is a Principal Scientist at Tata Institute of Genetics and Society, Bengaluru. At TIGS she studies the field ecology and population genomics of mosquito species involved in malaria, dengue and Wastewater-based Epidemiology of SARS-CoV-2. She had also studied critically endangered and threatened birds and used genetic markers and their applications to address scientific questions of interest. She has many honours to her credit, such as Wellcome Trust/DBT India Alliance Intermediate Fellowship (2013), International Marie Curie Fellowship (2006), Leica Award by the Oriental Bird Club, UK (2000) and many more.



Dr GITANJALI YADAV
Genomics and Structural Bioinformatics

She is a Scientist at the CSIR-National Institute of Plant Genome Research and is the recipient of many prestigious awards like the Hamied Fellowship Award (2019) by the University of Cambridge, UK, SERB 'Women Excellence Award' (2013), INSA Medal for Young Scientists (2011), Young Scientist Platinum Jubilee Award (2009) by NASI, Innovative Young Biotechnologist Award (2005) and many more. She is a specialist in genomics and structural bioinformatics, with specific applications in food security and ecosystem conservation. Her work involves data science at the interface of Botany, Chemistry and Geography.



Dr LIPIKA SAHOO
Intellectual Property Rights

She is a Founder & CEO, Lifeintellect Consultancy Pvt Ltd, a Bangalore-based technology and intellectual property consulting firm. She is a registered Indian Patent and Trademarks Agent with rich experience in academia and industry in the areas of technology, innovation & intellectual property. She holds a PhD from Indian Institute of Science, Bangalore. She has expertise in patent drafting, IP office actions, IP analytics, training and developing teams, project development/management. Associated as a reviewer/expert/mentor with many well-known Startup ecosystems and innovation programs. She is the recipient of Great Companies women entrepreneur of the year award 2020.