

CURRICULUM VITAE

Present position:

Dr Ajit Kumar Shasany, FNAAS, FNASc
Director, CSIR- National Botanical Research Institute, Lucknow 226001

Earlier:

Director, ICAR-National Institute for Plant Biotechnology, New Delhi-110012
Chief Scientist, Biotechnology Division, CSIR-Central Institute of Medicinal and Aromatic Plants,

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Scientific

- **Total Publication: 146 (International: 104); Citations: 5437; h-index 38**
- **Cumulative Impact factor: More than 400**
- **Granted Patents: Total 101; US Patents: 51 (DNA sequences 3, Plants 23, 10 processes, 15 compositions). Indian: 16; Other countries: 34; Filed: 2**
- **Variety Development: 46.**
- **PhD Students Guided: 17 awarded; 4 Continuing; M.Sc. students guided: 62**
- **Involved in 30 Projects from which led 16 projects as Principal Investigator/Co-PI.**
- **Research interest includes**, plant diversity, metabolic engineering in Medicinal and Aromatic Plants and bioprospection for human health. Novel genes for phenylpropanoid, Terpenoid pathways for Aroma. Plant Immunity for crop production
- **Complete genome and transcriptome sequencing of “Holy basil” *Ocimum sanctum*: (First medicinal plant Genome and first genome solely from India).**

Societal

- Being a graduate in Agriculture, also engaged in **dissemination of technology to farmers for income enhancement and livelihood upliftment;**
 - **Mint technology (Uttar Pradesh),**
 - **Geranium technology in (Uttarakhand),**
 - **Artemisia technology (Uttar Pradesh),**
 - **Aromatic plant technology (Odisha) for rural economic upliftment and livelihood.**
- **Leading in the development of 39 clusters of Aromatic Plants in 22 districts of Odisha under “Aroma Mission”. Developing start-up Entrepreneurs.**

Awards and Recognisations

- **Fellow, National Academy of Sciences (India), Allahabad. From 2018**
- **Fellow, National Academy of Agricultural Sciences, New Delhi. From 2017**
- **Samanta Chandra Sekhara Award 2012, Odisha Bigyan Academy, Govt of Odisha**
- **CSIR Technology prize for Biological sciences and Technology (1999)** for development of early maturing disease and pest resistant menthol mint.
- **CSIR-Technology Awards 2012 in Biological sciences**, Development and commercialization of anti-malarial drug plant *Artemisia annua* technology package facilitating industrial growth, societal health and rural prosperity.
- **CSIR Technology Award 2018 (Certificate of Merit) in Biological sciences on *Ocimum*.** Team Leader
- **CSIR young scientist award in biological sciences (2000)** for mint research.
- **Prof. Umakant Sinha Memorial award (Indian Science Congress Association) 2003**, for genome analysis and IPR protection.
- **Recognition for Indian Drug Manufacturers’ Association for Best Patent-2004**-Member of the team
- **Som award for developing high yielding *Mentha arvensis*, Kosi by Essential oil Association of India- (2005).**
- **Recognition for FICCI award 2005 for Rural Development to CSIR-CIMAP.** Team Member
- **Recognition for Nina Saxena Technology award by IIT Kharagpur, 2007.** Team Member
- **CIM-Fellow, 2007**
- **DBT Associateship** and visiting scholar to Purdue University, USA **2007-2008**
- **Dr.Kumud Chandra Bora Memorial award** for securing highest Overall Grade Point Average in M.Sc. (Agricultural Biotechnology).

- **Prof. Deveswar Pathak Memorial award** for securing highest Overall Grade Point Average in M.Sc. (Agriculture).
- **IARI Merit medal for outstanding Academic performance** during Ph.D Molecular Biology and Biotechnology (1996).
- **Member**, Review Committee on Genetic Manipulation (RCGM), DBT
- **Member**, Board of Management of CSAUK, Kanpur
- **Member**, Board of Research, Siksha `O` Anusandhan, Bhubaneswar
- **Member**, Research Advisory Committee Siksha `O` Anusandhan, Bhubaneswar
- **Member**, Advisory Committee of Biotechnology at CSTUP, Lucknow
- **Chairman**, FAD-23 of BIS, New Delhi