



Dr. C. S. Nautiyal

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Educational Qualifications

Doctor of Philosophy, Microbiology from M. S. University of Baroda in 1982
Master of Science, Botany from Lucknow University in 1977

Academic Positions held in India

J.C. Bose National Fellow, CSIR-NBRI, Lucknow
Director/Outstanding Professor, CSIR-NBRI, Lucknow (2010-2016)
Director/Outstanding Professor (Additional Charge), CSIR- CIMAP, Lucknow (2012-2014)
Director/Outstanding Professor (Additional Charge), CSIR- IITR, Lucknow(2014-2015)
Chief Scientist, Senior Principal Scientist/Professor, CSIR-NBRI, Lucknow (2004-2010)
Principal Scientist, CSIR-NBRI, Lucknow (1999-2004)
Senior Scientist, CSIR-CDRI, Lucknow (1994-1999)
Res. Associate, CSIR-NBRI, Lucknow (1982-1985)

POST DOC AND WORK EXPERIENCE ABROAD

***Production Manager**, American Biotech. Inc., Boston, U.S.A. (1991-93).*
***Faculty Research Associate**, Novartis Biotech Corp., North Carolina; Laval University, Quebec, Canada, and North Carolina State University, NC, USA (1988-1991).*

Presidential Indo-US Post Doctoral Fellowship, United States Department of Agriculture, Maryland, USA. (1985-1988).

ACADEMY FELLOWSHIPS

Fellow of **Indian National Science Academy (FNA)**, New Delhi

Fellow of **The National Academy of Sciences, India (FNASc.)**, Allahabad, India.

Fellow of **National Academy of Agricultural Sciences, (NAAS)**, New Delhi, India.

NATIONAL AWARDS FOR RECOGNITION of R&D ACHIEVEMENTS

2017: Science and Technology Excellence Award: For successful translational research on Life Sciences discipline by His Excellency the Governor of Uttarakhand.

2016: CSIR Technology Award: For successful translational research on scientifically validated herbal formulation NBRMAP-DB, for the management of diabetes by Hon'ble Union Minister for Science & Technology.

2015- JC Bose National Fellowship: Science and Engineering Research Board, Department of Science and Technology, Government of India: Awarded to study the role of plant microbe interaction for development of new technologies for sustainable food production.

2011- Life-Time Achievement Award: Biotech Research Society of India: Awarded for outstanding contributions in Agriculture Biotechnology.

2011- CSIR Award for S&T Innovations for Rural Development: Awarded by Hon'ble Prime Minister jointly to Directorate of Agriculture, U. P. Government, Lucknow & CSIR-National Botanical Research Institute, for successful translational research on bioinoculants, to benefit millions of farmers, by Hon'ble Prime Minister of India.

2011- Vigyan Gaurav Samman, Council of Science & Technology, UP, Department of Science and Technology, Government of Uttar Pradesh by Hon'ble State Minister for Science & Technology.

2009-2015 - TATA Innovation Fellowship, Department of Biotechnology, Government of India: Awarded for outstanding track record in biological sciences and innovative solutions to major problems in agriculture, environment, and biotechnology.

2007- Industrial Medal Award, Biotech Research Society of India: Awarded for outstanding contributions in biotechnology and commercialization of product/process.

2004- The Biotech Product and Process Development and Commercialization Award, Department of Biotechnology, Government of India: Awarded for outstanding contributions in the field of biotechnology by Hon'ble Union Minister for Science & Technology.

2001- Vigyan Bharati Rashtriya Puraskar, Awarded for significant contributions in Science by Hon'ble Union Minister for Science & Technology.

2001- All India Biotech Association (AIBA) Award, Excellent achievements in promotion of biotechnology by Hon'ble Union Minister for Science & Technology.

RESEARCH PUBLICATIONS & PATENTS on R&D WORK

Peer-reviewed publications – 103, Reviews / chapters in Book – 14, Books edited – 2, Patents granted – 40, Patents filed – 18.

TECHNOLOGY TRANSFERS, COMMERCIALIZATION OF PRODUCTS AND ITS SOCIETAL IMPACT

Bio-inoculants: *For successful translational research on bioinoculants, to benefit millions of farmers, 2011-CSIR Award for S&T Innovations for Rural Development was conferred to Directorate of Agriculture, Govt. of Uttar Pradesh and CSIR-NBRI, in New Delhi at Vigyan Bhawan on September 26, 2012 by Hon'ble Prime Minister of India.*

Herbal colour technology (strawberry colour): *It has been transferred to Himalaya Drug Company, Bangalore*

Herbal colour technology (strawberry colour) LIP BALM: *Jointly developed by CSIR-NBRI and CSIR-CIMAP transferred to Chiarra herbals Pvt. Ltd. New Delhi and Amor Herbals Pvt. Ltd. Lucknow.*

NBRMAP-DB, a safe hypoglycaemic herbal formulation: *For successful translational research on scientifically validated herbal formulation NBRMAP-DB, for the management of diabetes, 2016-CSIR Technology Award was conferred to CSIR-CIMAP and CSIR-NBRI, in New Delhi at Vigyan Bhawan on September 26, 2016.*

Low Grain Arsenic (As) Rice Cultivar: *The variety has been given the name 'Muktashri' by the Hon'ble Chief Minister of West Bengal, as it accumulates less arsenic compared to recommended permissible limit. This variety has been released by State Variety Release Committee (SVRC) in January 15, 2016.*

FORMER VICE-CHANCELLORS