

**SUMMARY OF CAREER PROFILE:**  
**Academic, Administrative, Research, Innovation,**  
**Professional Leadership & Industrial Connectivity**



**Professor Ganapati D. Yadav**

*B. Chem. Eng. Ph.D. (Tech.), D.Sc. (Hon. Causa, DYPU), D. Eng. (Hon. Causa, NIT-Agartala),  
USNAE, FTWAS, FNA, FASc, FNASc, FNAE, FRSC (UK), FIE (India), FISTE, FICHEM (UK),  
FIChE, FICS*

**NATIONAL SCIENCE CHAIR (SERB/DST/GOI)**  
**EMERITUS PROFESSOR OF EMINENCE**

Former J.C. Bose National Fellow (Govt. of India)

Former Vice Chancellor and R.T. Mody Distinguished Professor and  
Tata Chemicals Darbari Seth Distinguished Professor of Innovation and Leadership

**INSTITUTE OF CHEMICAL TECHNOLOGY MUMBAI**

**Padmashri Awardee (2016)**

Conjoint Professor, University of New Castle, Australia

Adjunct Professor, University of Saskatchewan, Saskatoon, Canada

Former Adjunct Professor, RMIT University, Melbourne, Australia

Distinguished Adjunct Professor, Indian Institute of Technology, Guwahati

Distinguished Visiting Professor, Siksha 'O' Anusandhan (SOA) University, Bhubaneswar

Founding Chair, ACS India International Chemical Sciences Chapter

President, Maharashtra Academy of Sciences

President, India Chemical Society

Chairman, Research Council, DRDO Defence Institute for Bio-Energy Research

Chairman, Research Council, CIPET, Ministry of Chemicals & Fertiliser

Chairman, Expert Advisory Committee, Innovation, Incubation, & Technology Enterprise, DST,

Former President, Catalysis Society of India

Former President, Indian Institute of Chemical Engineers

Council Member, Indian National Science Academy (2019-21)

Elected to the US National Academy of Engineering (2022)

In top 0.2% of researchers in Physical Chemistry in the World, No. 1 in India & at No. 66 in the world  
during both years (Stanford Uni Surveys of Nov. 2020 and 2021)

509 peer reviewed papers, 116 granted patents, 875+ Lectures/seminars/orations

Over 125 honours, accolades, distinctions, fellowships, editorships

Guidance of 107 Ph Ds, 135 Masters and 48 Post-docs as a single supervisor

(National record for any engineering professor)

h index of 65, i10 index of 324, 16000+ citations

2 Honorary Doctorates: NIT Agartala and DYPU Kolhapur

Independent Director 5 public limited companies and consultant to industry for past 42 years

Metamorphosed ICT Mumbai as VC for 10.5 years

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Professor Ganapati D. Yadav is one of the topmost, highly prolific, and accomplished engineering-scientists in India. He is now selected as the National Science Chair (Mode I) by the Science & Engineering Research Board (SERB) of the Department of Science & Technology, Govt. of India, which is a very prestigious national honour. He also holds the titles of Emeritus Professor of Eminence and was bestowed with J.C. Bose National Fellowship by DST since 2010 until recently.

He is internationally recognized by many prestigious and rare awards as an academician, researcher and innovator, including his seminal contributions to education, research and innovation in Green Chemistry and Engineering, Catalysis, Chemical Engineering, Energy Engineering, Biotechnology,

Nanotechnology, and Development of Clean and Green Technologies. For 10.5 years, he served as the Founding Vice Chancellor and R.T. Mody Distinguished Professor, and Tata Chemicals Darbari Seth Distinguished Professor of Leadership and Innovation at the Institute of Chemical Technology (ICT), Mumbai, which is a Deemed-to-be-University having Elite Status and Centre of Excellence given by State Assembly on par with IITs/IISc/IISERs. He serves as the Adjunct Professor at University of Saskatchewan, Canada, RMIT University, Melbourne, Australia and Conjoint Professor, University of New Castle, Australia. He was conferred Padma Shri, the fourth highest civilian honour, by the President of India in 2016 for his outstanding contributions to Science and Engineering. He has been recipient of two honorary doctorates: D. Sc. (Hon. Causa, DYPU) and D. Eng. (Hon. Causa, NIT Agartala). As the Vice Chancellor he created many records.

He was elected to the US National Academy of Engineering on Feb. 9, 2022, which is a rare honour. Only 18 living Indians are elected to this Academy and include others like Ratan Tata, Mukesh Ambani N. Chandrasekaran, Kiran Mazumdar-Shaw, and Narayan Murthy. The Americans who are elected with him this year are Elon Musk and Satya Nadella. In the November 2020 and 2021 surveys of Stanford University, where Indian scientists in top 2% of those in the World are honoured, Professor Yadav is number one in India in Physical Chemistry which is within 0.2% of the world scientists and is ranked at 66, for both years which is remarkable. He is a chemical engineer, but his research is in the field of catalysis science and engineering which is counted as part of physical chemistry.

His research productivity is phenomenal with supervision of 107 Doctoral and 135 Masters Theses, which is the first record in ICT and for any Engineering Professor in India. Besides, he has supervised 47 post-doctoral fellows, several summer fellows and research staff. He has published 509 original research papers, 116 granted national and PCT patents, 8 new patent applications; 3 books; h-index of 65, i10 index of 324; 16,000+ citations in journals, patents, books, and monographs, and 890+ specials lectures/orations/seminars over the years. He is still actively involved in guiding doctoral students, patenting, publishing, consulting, and transferring technologies to industry.

Under his dynamic leadership, ICT made phenomenal progress having been declared as Category I institute, having started 23 new academic programmes, 5 new Departments and several Centres of Excellence, and establishment of two off-campuses in Bhubaneswar with total support of IOCL and Marathwada with total support of Govt. of Maharashtra, and collected phenomenal funds. The ICT is listed in top 100 institutes in the Developing World by Times Higher Education Ranking in 2019. The Atal Innovation Ranking of MHRD has placed ICT as number 1 among Govt. funded Universities. He has personally won over 125 national and international honours, awards, fellowships, editorships, and several Life Time Achievement Awards by prestigious industrial organizations; For instance, Zaheer Husain Medal of the Indian National Science Academy, Jai Krishna Memorial Award of the Indian National Academy of Engineering among many others. He is an elected Fellow of Indian National Science Academy, Indian Academy of Sciences, National Academy of Sciences, India, Indian National Academy of Engineering as well as The World Academy of Sciences, Trieste (TWAS). He is a Fellow of Royal Society of Chemistry, UK, Institution of Chemical Engineers, UK, Indian Institute of Chemical Engineers, Indian Chemical Society, and Indian Society for Technical Education, among others. He is currently the President of the Indian Chemical Society and Editor-in-Chief, Journal of the ICS being published by Elsevier.

The American Chemical Society (ACS) published a Festschrift (special issue) of Industrial and Engineering Chemistry Research (2014) in his honour. He is the Founder President ACS India International Chapter. He is on editorial boards of prestigious journals like: ACS Sustainable Chemistry

& Engineering, Green Chemistry, Applied Catalysis A: Gen, Journal of Molecular Catalysis A: Chem., Catalysis Communications, International Journal of Chemical Reactor Engineering, Clean Technologies and Environmental Policy, Current Catalysis, etc. He is the Founding Editor-in-Chief of Catalysis in Green Chemistry & Engineering (2017, Begell House, USA). He has been a member or has chaired several national and international committees of MHRD, DST, DBT, UGC, AICTE, CSIR, the PSA's on Green Chemistry, the Planning Commission's Pan India S&T Committee, and the Government of Maharashtra's Rajiv Gandhi S&T Commission Peers Group. He was Chairman, Research Council, CSIR-CSMCRI, member of RC of IICT Hyderabad and NIIST Trivandrum. He has served as a Chairman/member of Selection Committees of directors of many CSIR labs. He has live connection with industry all these years as a consultant (both ad hoc and retainer) having done over 75 assignments, technology developer, and is connected with many industries associations like FICCI, ASSOCHAM, CII, ICMA (now ICC) and others in advisory capacities. He serves as an Independent Director, on five renowned limited companies: Aarti Industries Ltd, Godrej Industries Ltd, Meghmani Organics Ltd, and Bhageria Chemicals Ltd, and Clean Science and Technology Ltd.

He is also a member of Apex Council of Indian Oil R&D; Expert Advisory Committee, ONGC Energy Centre (OEC); Glexcon India Advisory Board on Process Safety and the Governing Council DBT-IndianOil Energy Centre, and member of the DBT-Pan IIT Centre for Bioenergy. He is Chairman of DST's National Expert Advisory Committee on Innovation, Incubation and Technology Enterprise, member of Advisory and Screening Committee of the Common Research and Technology Development Hubs of DSIR, Chairman, PAC of International Programmes in Chemical Sciences and Engineering, DST and Chairman, Expert Committee, Waste Management Technology, DST. He is a member of the Maharashtra Govt's Expert Committee on implementation of the National Education Policy (NEP 2020). He is a member of three Working Groups of the Ministry of Petroleum and Natural Gas on "Biofuels," "Hydrogen", and "To look into the whole gamut of safety framework and suggest necessary changes for petroleum sector in the country." Recently he was appointed as Chairman, Research Council, DRDO Defence Institute of Bio-Energy Energy Research (DIBER), and CIPET, Ministry of Chemicals & Fertilizers.

He had the honour of addressing 3 Convocations of renowned universities in India. He is fond of literature (Marathi and English), etymology, Sanskrit and Vedas. The ICT's University song is written by him. There are over 75 video clips covering his biography (both English & Marathi), orations, lectures, panel discussions, interviews, etc. on YouTube which can all be accessed at:

<https://www.youtube.com/playlist?list=PLclyJH91-TwvTScCVrcih3nrrPGgf8U8R>