

Dr. N. B. Prakash

Vice-Chancellor

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Google scholar: hiindex-29 Citations: 3137

Specialization and Research Areas

Soil Fertility | Plant Nutrition | Silicon in Agriculture | Nutrient Recycling | Watershed Management

Awards and Honours

- **Fellow of National Academy of Agricultural Sciences** from 01st January, 2026
- **Fellow of Indian Society of Soil Science** (2022)
- Recipient of **51st Dr. R. V. Tamhane Memorial Lecture Award** by Indian Society of Soil Science at 89th Annual Convention of ISSS during (2025)
- Recipient of **20th Prof. R. R. Agarwal Memorial Lecture Award** by Indian Society of Soil Science at 87th Annual Convention of ISSS during (2023)
- Recipient of **FAI award of Excellence** for the best work done in the field of **Plant Nutrition** during 2021 by Fertilizer Association of India, New Delhi
- **Dr. Kalayya Krishnamurthy National Award** for the **Best Agricultural Research** 2017-18 by UAS, Bangalore
- **Professor Sant Singh Memorial Award for Excellence in Education and Research in Soil Science**, by Indian Society of Soil Science (ISSS), New Delhi (2016)
- **ICAR Best Teacher Award 2011-2012** by ICAR-UAS, Bangalore
- **Indo-US Science and Technology Forum Award** for organizing workshop on Silicon in Agriculture during 2010
- **Best Poster Presentation Award** for poster presented at 81st Annual Convention of Indian Society of Soil Science (ISSS), New Delhi in 2016 at Gwalior
- **Best Poster Presentation Award** at National symposium on "Sustainable Rice Production System Under Changed Climate" held at Central Rice Research Institute, ICAR, Cuttack in 2010
- **Best Poster Presentation Award** at 7th International Conference on Silicon in Agriculture, ISSAG-2017 in Bengaluru, India.

Educational Background

- **B.Sc. (Agri.)** from University of Agricultural Sciences, Bangalore (UASB)
- **M.Sc. (Agri.)** and **Ph.D.** in Soil Science and Agricultural Chemistry from UASB with gold medal
- **JSPS Post-Doctoral Research Fellow** from National Agricultural Research Center, Tsukuba, Japan in 2003.

Research Projects

- The Main theme of research work has been on the use of **Silicon, Biochar and Slag based gypsum** in Agriculture
- Operated many research projects as Principal Investigator funded by **The World Bank, ICAR, DST-AIRTF, DBT, Agripower, Tata Steel Ltd., JSW Steel Ltd., Rexil, Elkem South Asia Pvt. Ltd** and **DST- CEFIPRA**, with a total outlay of Rs. 2903.41 lakhs

Patents and Technology Developed

- A **Japanese patent on “manufacturing highly soluble siliceous fertilizer from husk incineration ash”** during 2012 for the research work carried out at NARC, Tsukuba, Japan as JSPS Post Doc Fellow
- A **patent on “A Soil Conditioner and Its Applications Related Thereto” Patent no. 450892** during **2023** was granted jointly to University of Agricultural Sciences, Bangalore and Tata Steel Limited, Jamshedpur under the project entitled Slag-based gypsum as a source of sulphur, silicon and other micronutrients in agriculture
- A **patent “A Slag and Feldspar Based Fertilizer Corresponding Method and Applications Thereof” (Patent Application No. 202431017416, filed on March 11, 2024)** has been registered jointly by University of Agricultural Sciences, Bangalore and Tata Steel Limited, Jamshedpur, as an outcome of the CII-PM Fellowship for PhD student work
- Contributed to the inclusion of **Diatomite and Ortho-Silicic Acid** as recognized silicon fertilizer sources under the **Fertilizer Control Order (FCO), 1985**, New Delhi

International conference/symposium/workshops organized

- **7th International Conference on Silicon in Agriculture**, 2017 with 69 international participants
- The **8th International Symposium on Plant–Soil Interactions at Low pH** (8th PSILPH), 2012, had about 250 participants representing 19 countries
- **Indo-US Workshop on Silicon in Agriculture-2010**, jointly by UAS, Bengaluru and LSU, Louisiana, USA with 11 scientists from USA
- **International Conference on Watershed Resilience: Integrating Science, Sustainability, and Society** jointly organized by CoE-WM, WDD and DoLR, November 26-28, 2025 with 225 delegates.

National workshops/conference organized

- National Workshop on **“Agripower Silica in Different Crops of India”**, 2014.
- National Workshop on **“Diatomite as Silicon Source in Indian Agriculture”**, 2012.
- National Conference on **Land Resource Inventory for Sustainable Watershed Management**, held at UASB from June 3-5, 2025 with 316 delegates.

Scientific Publications

- Published more than **50 research papers** in peer-reviewed **international** journals, out of which 40 papers with **NAAS score >8**
- Published 60 research papers in peer-reviewed **national** journals
- Published **seven books** and 30 other publications
- Served as **Scientific reviewer** for reputed journals like **Plant and Soil, Soil Biology and Biochemistry, Communication in soil science and Plant Analysis, Journal of Plant Nutrition, Journal of Soil Science and Plant Nutrition, Silicon.**

International Exposure

- **Visited 15 countries**, Japan, USA, China, Scotland, Thailand, Korea, Brazil, Switzerland, Sweden, France, Netherland, South Africa, Scotland, Serbia and Malaysia on invitation as expert member in international meetings, to present key note presentation in symposium / conference, to discuss on student exchange programme and collaborative research work.
- Involved in establishing MOU/ co-operative agreement with foreign University and UASB to develop academic and cultural exchange through mutual assistance in the areas of teaching and research.
- Involved in collaborative research programme with **LSU-Ag-Tech USA, Chiba University Japan, CEREGE- France, University of Zurich, Switzerland and UPM of Malaysia**

Professional Experience: Administrative, Teaching, Research & Extension

- **Vice-Chancellor**, University of Agricultural Sciences, Dharwad, from 09.07.2026 to till date.
- **Dean (Agri.)**, College of Agriculture, GKVK, Bangalore (2021 to 2026), with additional charge of **Dean Student Welfare** (2022 to 2024) and **Special Officer**, Center of Excellence on Watershed Management (2024 to 2026).
- **Professor** (2010 to 2021), Dept. of Soil Science and Agricultural Chemistry, UASB
- **Associate Professor** (2003-2010), Dept. of Soil Science and Agricultural Chemistry, UASB
- **Assistant Professor** (1996-2003), Dept. of Soil Science and Agricultural Chemistry, UASB
- **Scientist** (1994-1996), Indian Institute of Horticultural Research, Bengaluru

Teaching and student Guidance

- Offered **14 UG Courses and 13 PG courses** during 25 years of teaching
- Guided **12 Ph.D. and 19 Master Degree students** in the Department of Soil Science and Agril. Chemistry, UASB.
- One doctoral student was conferred with **Jawaharlal Nehru Award** by ICAR, New Delhi and two students were conferred with Best **Doctoral Research Award** by the Indian Society of Soil Science (ISSS), New Delhi
- **11 M.Sc. and Ph.D. students** guided by me have received national awards and honors like **ISSS best research presentation award, Prime Minister Fellowship for doctoral research, INSPIRE fellowship, ISSS zonal awards and best poster presentation awards**
- Served as student exchange coordinator/co-supervisor for 7 students/ faculty from foreign universities.

Involvement in Professional Bodies

International

- **International Steering Committee Member**, Plant-Soil Interactions at Low pH (PSILPH), 2010 – to date
- **Founder President**, International Society for Silicon in Agriculture and Related Disciplines (ISSAG), 2014–2017
- **Member of the Board** of The International Society for Silicon in Agriculture and Related Disciplines (ISSAG) 2014–2021

National

- **Member**, National Level Technical Committee, National Rainfed Area Authority, GoI, New Delhi (2025 to date)
- **Member**, Soil Testing Accreditation Advisory Committee, NABL, New Delhi, 2023 – to date
- **Member-Convener**, Executive Committee (State Level) for monitoring functioning of CoE-WM, UAS, GKVK, 2024 to 2026.
- **Member**, Peer Review Team, National Agricultural Education Accreditation Board (NAEAB), CAU, Imphal, 2021
- **Member**, Peer Review Team – NAEAB, PAU, Ludhiana, 2024
- **Member**, Peer Review Team – ITM, Gwalior, 2025
- **Member of the Board of Studies** in Soil Science and Agriculture Chemistry at Annamalai University, Chidambaram, Tamil Nadu, 2017-2020
- **International Panel Member**, Malaysian Journal of Soil Science, 2020–2023
- **Member**, Academic Council, UASB, 2022 to 2026
- **Member Secretary**, Board of Studies, UASB, 2022 to 2026
- **Member**, Extension Education Council, UASB, 2022 to 2026
- **Member**, Research Council, UASB, 2022 – 2026
- **Chairman**, Technical Expert Committee on Pilot Studies of Watershed Management
- **Member**, National Level Technical Committee for Finalization of Resilient Agricultural Technologies
- **Member**, Committee for Refinement of Existing DSS and Development of New DSS on Watershed Management
- **Councilor**, Indian Society of Soil Science (ISSS), 2016–2017
- **Editorial Board Member**, Journal of the Indian Society of Soil Science, 2023–2024
- **Life Member**, Indian Society of Soil Science, New Delhi
- **Member**, Society for Advancement of Rice Research, Hyderabad
- **Member**, Institution of Agricultural Technologists, Bengaluru.

ICAR-BEST TEACHER AWARD



Dr. N.B. Prakash receiving the ICAR- Best Teacher Award 2012, from Dr. K. Narayana Gowda, Vice Chancellor, UASB, and Dr. Gurbachan Singh, Chairman, ASRB, during the Foundation Day function of UAS, Bangalore held on 5th October 2012

PROFESSOR SANT SINGH MEMORIAL AWARD



Dr. N.B. Prakash receiving Professor Sant Singh Memorial Award from Shri Radha Mohan Singh, Agricultural Minister, for his dedicated and excellence in teaching soil science and pioneering research work on silicon in Indian agriculture, by Indian Society of Soil Science, during the 81st Annual Convention of Soil Science on 20th October 2016 at Gwalior, M.P.

FAI AWARD FOR EXCELLENCE IN THE FIELD OF PLANT NUTRITION



Dr. N.B. Prakash receiving the FAI Award for Excellence in the field of Plant Nutrition from Dr. Trilochan Mohapatra, DG, ICAR and Secretary, DARE and Dr. K.S. Raju, Chairman, Fertilizer Association of India, New Delhi on 1st December 2021

KALAYYA KRISHNAMURTHY NATIONAL RESEARCH AWARD 2017-18



Dr. N.B. Prakash receiving the Kalayya Krishnamurthy National Research Award 2017-18 from Shri N.H. Shivashankar Reddy, Agricultural Minister, GoK and Dr. S. Rajendra Prasad, VC, UASB, for his outstanding research contribution in the field of Silicon in Indian Agriculture at UAS, Bangalore on 4th October 2018

INDO-US SCIENCE AND TECHNOLOGY FORUM (IUSSTF) AWARD



Dr. N.B. Prakash bestowed with Indo-US Science and Technology Forum (IUSSTF) Award for organizing Indo-US Workshop on 'Silicon in Agriculture' by University of Agricultural Sciences, Bangalore, India during 25-27, February 2010, jointly by UAS, Bangalore and LSU, Louisiana, USA funded by IUSSTF, New Delhi

8TH INTERNATIONAL SYMPOSIUM ON PLANT SOIL INTERACTIONS AT LOW PH



Dr. N.B. Prakash Organized the 8th International symposium on plant soil interactions at low pH (8th PSILPH) during 18-22, October 2012 at UAS, Bangalore (www.8thpsilph.org.in)

7TH INTERNATIONAL CONFERENCE ON SILICON IN AGRICULTURE



Dr. N.B. Prakash Organized the 7th International conference on silicon in agriculture during 24-28, October 2017 at UASB (www.silicon2017.com)

20TH PROF. R. R. AGARWAL MEMORIAL LECTURE AWARD



Dr. N.B. Prakash received the 20th Prof. R.R. Agarwal Memorial Lecture Award from the Indian Society of Soil Science at the 87th Annual Convention of ISSS (2023)

NATIONAL CONFERENCE ON LAND RESOURCE INVENTORY FOR SUSTAINABLE WATERSHED MANAGEMENT



Dr. N.B. Prakash organized the National Conference on Land Resource Inventory for Sustainable Watershed Management, at UAS, GKV, Bengaluru, during June 3-5, 2025

INTERNATIONAL CONFERENCE ON WATERSHED RESILIENCE: INTEGRATING SCIENCE, SUSTAINABILITY AND SOCIETY



Dr. N.B. Prakash organized the International Conference on Watershed Resilience: Integrating Science, Sustainability and Society, at Bengaluru, during November 26-28, 2025

FELLOW OF NAAS-2026



Dr. N.B. Prakash received Fellow of NAAS 2026 Award from Dr. Mangi Lal Jat, President of NAAS at New Dehli on 5th June 2026

