

# Dr Jagdish Rai

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## Present Position

President, Stem Institute, Varanasi  
President, Divi Welfare Society, Varanasi

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## Experience

### Former Vice Chancellor / Invertis University, Bareilly, UP

JULY, 2013 – OCTOBER 2018

- Established collaborations with the following institutions:
  - University of South Carolina, Spartanburg, SC, USA
  - Livingston College, Salisbury, NC, USA
  - Howard University, Washington DC, USA
  - Advanced College of Engineering and Management, Kathmandu, Nepal
  - Alexander Von Humbolt Foundation, Germany
  - Regensys Business School, Johannesburg, South Africa
- Started the following new courses:
  - B.Sc. Agriculture, B.Sc. Computer Sciences, B.Sc. Fashion Design, B.Sc. Physics, Chemistry, Mathematics, and B.Sc. Zoology, Botany, Chemistry
  - Integrated B.A and B.Ed., and Integrated B.Sc. and B.Ed.
  - M.Sc. Physics, M.Sc. Chemistry, M.Sc. Mathematics, M.Sc. Microbiology, M.Sc. Food Technology
- Strengthened and streamlined the following:
  - Ph.D. programs
  - Science and Engineering laboratories

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## Other Experiences

**Research Associate / Banaras Hindu University, Varanasi, U.P**

**Alexander Von Humboldt Fellow / Radio Astronomical Institute, Bonn, Germany**

**Professor and Head of Physics / I.I.T. Roorkee, Roorkee, U.K for 35 years**

**Visiting Professor / New Mexico Institute of Mining and Technology, NM, USA**

**Visiting Scientist / University of Toronto, Toronto, Canada**

**Visiting Professor / Clemson University, Clemson, SC, USA**

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## Education

**B.Sc., Physics, Chemistry, and Mathematics / Allahabad University**

**M.Sc., Physics / Agra University**

**Ph.D., Atmospheric and Space Physics / Banaras Hindu University**

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## Awards & Honors

- Bharatmata Award for Academic Excellence by Indian Institute of Oriental Heritage
- Global Award for Outstanding Contribution to Education by World Education Congress
- U.P. Government's National Uttar Pradesh Education Award for Excellent Contribution to Higher Education
- Member of Board of Trustees of Innovation University of Silicon Valley, San Jose, California, USA
- Member of Board of Trustees of Technological University of the Americas, Paramaribo, Suriname

- Distinguished Fellow of the International Educators Group Award, Washington DC, USA
  - Elected President of the Physical Sciences Section of Indian Science Congress Association, 2015-16
  - Ukiyoto Award for Best Science Fiction, Martian Settlers 2, 2022
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## Research Interests

Supervised and guided 21 Ph.D. students

Published approximately 200 research papers

- Lightning Discharge Phenomena
  - Cloud formation and precipitation
  - Thunder Cloud electrification
  - Radio emission from lightning
  - Ionosphere and troposphere interaction
  - Application of atmospheric in geophysical exploration
  - Global Electric Circuit
  - Solar Energy
  - Instrumentation
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## Professional Organization Memberships

- Life Member, Indian Science Congress Association
  - Life Member, Indian Physics Association
  - Life Member, International Academy of Physical Sciences
  - Life member, Bag Energy Research Society
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## Social Work

- President and Founder, International Forum for Social Equality
  - Former President, Faculty Forum, I.I.T. Roorkee
  - Former Vice President, Faculty Forum, I.I.T. Roorkee
  - Former President, Rotary Club of Roorkee
  - Former President, Rotary Club of Roorkee
  - Distribution of food during Covid 19 through Divi Welfare Society
  - Education for financially poor students through Divi Welfare Society
  - Member, Rotary Club of Varanasi North, Varanasi
  - President, Divi Welfare Society, Varanasi
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## Other Supporting Roles

- President and Founder, STEM Institute, Varanasi, UP
  - Advisor, Jayni Instruments, Roorkee, UK
  - Chief Editor, Invertis Journal of Science and Technology
  - Member, Editorial Board, Invertis Journal of Management
  - Member, Governing Body of Govind Inter College, Sadat Ghazipur, UP
  - Member, Bag Energy Research Society, Mahamana Nagar, Varanasi, UP
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## Literature

Martian Settlers I & Martian Settlers II, 2021, Wisdom Words Publisher, Jaipur (Science fiction)

Mangal Prawas I & Mangal Prawas II, 2021, Wisdom Words Publisher, Jaipur (Science fiction novel in Hindi)

Sabke Data Ram, 2023, Wisdom Words Publisher, Jaipur (social novel in Hindi)