


## Brief CV

Name	Dr. I P Jain	Gender	Male	
Title (Prof./Dr.)	Prof (Dr)	Country	India	
University/Department	Centre for Non Conventional Energy Resources, University of Rajasthan,Jaipur-302004.India			
Research Area	Hydrogen Storage Materials and Applications, Thin Films, Surface and Interfaces, Ion Beam Mixing at Metal/Silicon Surfaces and Interfaces, and Amorphous Semiconductors.			

**Professor I. P. Jain** was born in Lahore (then India) on October , 1945, and has had a brilliant academic career with M.Sc. Physics obtained in 1969 (first position Gold Medalist) and Ph.D. in Physics in 1976 in the field of thin film technology from the University of Rajasthan in Jaipur, India. He worked for more than a year during 1983-84 with Nobel Laureate for Physics for 1981 Prof. Kai Siegbahn in the field of Surface Science, University of Uppsala, Sweden and awarded SIDA (Swedish Institute & Development Agency) Diploma.

**Professor Jain** worked in various academic positions at the University of Rajasthan and served as an Assistant Professor of Physics 1975-1980, Associate Professor Physics 1980- 2000 and Professor and Director, Centre for Non Conventional Energy Resources, which was created by him because he saw the importance of Renewable Energy for Sustainable Development in the Present World.

He was awarded CSIR (Scientific and Industrial Research) Fellowships in 1969-1972 and DAE (Department of Atomic Energy) Fellowships in 1973-1975. In May 2008 he was awarded the Emeritus Scientist position by the Council of Scientific and Industrial Research, Government of India, and he was among 20 such scientists in the country (2008-2011). In Nov 2011 he was awarded the Emeritus Fellow position by the University Grants Commission, Government of India, and was among 8 such Professors in scientists in the country for Physics Subject.(2011-2013) He received the SIDA (Sweden) Fellowship in 1983-84, with Nobel Laureate Prof. Kai. Siegbahn; and the Commonwealth UK Fellowship in 1997 for helping universities in South Africa, Zimbabwe and Kenya for research work of these instate.

**Professor Jain's** fields of research interest are Hydrogen Storage Materials and Applications, Thin Films, Surface and Interfaces, Ion Beam Mixing at Metal/Silicon Surfaces and Interfaces, and Amorphous Semiconductors. Prof. Jain has written 170 research publications during 1973 – 2018, out of which 130 appeared in International Journals and 40 in National Journals.

He assisted Nobel Laureate Prof. Kai Siegbahn in building the World's best High Resolution ESCA Machine and used it for his research; he developed the Ultra High Vacuum Depth Selective Conversion Electron Mossbauer Spectroscopy (DSCEMS) machine, a unique machine of its kind in India for research in surface science.

**Prof. Jain** has established various research facilities in his laboratory, e.g. Sivert-Type Instrument for Hydrogen Storage, UHV eE-Gun evaporation, DSCEMS technique, High Vacuum Thermal and E-gun Thin Film Deposition Techniques, low temperature 10k to 300k UV-Vis Spectrometer, Mossbauer Spectroscopy, Ball Milling Machine and Glove Box. Prof. Jain was instrumental in establishing various facilities at the University of Rajasthan, e. g Transmission Electron Microscope (TEM) Laboratory in Zoology Department, Thin Film and Material Science Labs in the Physics Department, X-ray Diffract Meter and Liquid Nitrogen Labs in the University Scientific Instrumentation Centre (USIC).

During last 20 years he has been involved in setting up a Centre for Non-Conventional Energy Resources, which is a new Center for Research, R&D and Teaching in the field of Renewable Energy, which includes Solar, Hydrogen, Wind, Bio-energy, Bio-gas and other sources of energy. In the year 2007 he had initiated the M. Phil in Energy program for students so that these students can develop careers in academics, research and industry.

**Ph.D Supervision:** 25 Students completed Ph.D+ Three working for Ph.D

**Countries Visited:** 21- USA (9 times), Sweden (2 Times), Spain, Italy (3 Times), England, Norway, Finland, Denmark, China (3 times), Germany, France, Austria, Switzerland, Yugoslavia, Singapore, South Africa, Argentina, Malaysia, Zimbabwe Kenya and Turkey (2 times)

**Conference Attended:**63 (1970-2019): International- 45 National- 18

**Conference Organised:** International Conference, National Symposium, Seminar Workshop, Summer School and Refresher Courses.

**Members of Societies:** 8 - National and International Scientific Societies.

**Research Publications** Total 175 ( 1973-2020): International Journals 135 National Journals 40, National and International Conference Papers 50.

**Examiner Experience:**

**PhD:** More than 50 National & International, **MTech:** More than 30, **MPhil:** More than 70, **MSc:** more than 50

**Guest Editor:** International Journal of Hydrogen Energy 2008 & 2011, Frontiers in Energy Research 2020-21

**International Conferences Activities:**

More than 50 Keynote/ Plenary Speechs, Invited Talks, Charing Sessions, Organising Sessions in developed Countries Conferences.

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