



BIOSKETCH OF PROF. DR. ALOK SRIVASTAVA

Alok Srivastava is a Physical Chemist with specialization in Nuclear and Radiation Chemistry. He is presently working as Professor and was Chairman (HOD) of the Department of Chemistry and Centre for Advance Studies, Panjab University, Chandigarh, India. He also held position of Adjunct Professor in the Centre for Nanoscience and Nanotechnology of Panjab University, Chandigarh, India.

He did his B.Sc (Hons) /M.Sc from the Institute of Science, Mumbai (1976-1980) with Distinction and later doctorate from Bhabha Atomic Research Centre, Mumbai (1980-1985) in the field of Nuclear Chemistry. His thesis work was designed to understand the role of structural and pairing effects in low energy nuclear fission of ^{235}U , ^{239}Pu , ^{252}Cf besides ^{232}Th which has strong relevance to the future nuclear energy program of the country. After completing his Ph.D he moved to Physical Research Laboratory, Ahmedabad to carry out post-doctoral research in its Geocosmophysics Group.

He worked as a Humboldt Fellow with Prof. H.O.Denschlag in the Institute of Nuclear Chemistry, University of Mainz, Germany (1986-88) in the laboratory of Prof. F. Strassmann the co-discoverer of Nuclear Fission.

He then moved to European Community as a Consultant and worked in the Institute for Reference Materials previously known as Central Bureau for Nuclear Measurements in Geel, Belgium (1989-1990) where he made significant contribution in the area of radiometrology and nuclear safety and safeguards.

He later moved to USA to work with Prof. W.D. Loveland in Oregon State University, USA and with his collaborator Nobel Laureate Prof. G.T. Seaborg in Lawrence Berkeley Laboratory, University of California, Berkeley in the period 1991-1993.

After his return from USA he has worked on short term positions in North Eastern Hill University, Shillong (1994-1995) and Allahabad University, Allahabad (1995-1997) besides Mahindra United World College of India in Pune (1997-1999), subsequent to that he has been working as regular faculty in Panjab University from 1999 till date.

He was invited to work as DAAD Professor of Nuclear Chemistry in Aachen University of Applied Sciences; Juelich, Germany in the period 2002-2004 to establish an International Postgraduate Program entitled **“European Master of Science in Nuclear Applications”** which exposes students to application of nuclear science in the subject area of environment, energy, material science, waste management and medicine.

He has also been involved with academic programs of Kings College London as well as Pan African University Water and Energy Studies (PAUWES) Institute of Excellence established in Tlemcen, Algeria founded by African Union of States with assistance from German Academic Exchange Service (DAAD). He has served as expert on national as well as international committees of academic/research/government organizations like BRNS, DAE, UGC, CSIR, DAAD, AvH, DRDO and ITBP etc.

Prof. Srivastava has been carrying out research since last 35 years in the area of Public Health, Nano Science, Material Science, Environmental and Geo Science besides Nuclear Safeguards, Radiation Biology and Nuclear Reactions. He has published 85 papers in International Journals and has presented around 140 papers in different National and International Conferences. **He has given more than 100 extension lectures and seminars in Academic Institutions around the world.**

He has Language Proficiency in **ENGLISH, HINDI, BENGALI AND GERMAN**

He has edited a book **BIO-NANO-GEO SCIENCE: THE FUTURE CHALLENGE** published by Ane Books, New Delhi.

He has been Visiting Scientist/Guest Lecturer in different laboratories/academic institutions in **Germany, France, Japan, Spain, Netherland, Austria, Brazil, Italy, Algeria, Czech Republic, Hungary, Nepal, Bangladesh and USA.** He has been referee of manuscripts being published in International Journals from Wiley, Elsevier, Springer and Taylor and Francis.

He has been involved in science popularization program of National Academy of Sciences India besides Society for Promotion of Science and Technolgy in India. He is President of Humboldt Academy of Chandigarh which has close to 120 members who have had close association with German Academic and Research Institutions.

He is Founder Fellow of a nongovernmental organization (NGO) which is involved in providing awareness about **Water and Health in Rural Areas.**

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Membership/Fellowship of Learned Societies:

- (i) Vice President: Indian Association of Nuclear Chemists and Allied Scientists (IANCAS)
- (ii) Founder Fellow of Institute of Applied Sciences, Allahabad
- (iii) President of Humboldt Academy- Chandigarh Chapter
- (iv) UP Association of Scientists for Science and Technology Advancement
- (v) Fellow of Alexander von Humboldt Foundation Germany (F.AvH)
- (vi) High Energy Material Society of India
- (vii) Fellow of Indian Chemical Society (FICS)
- (viii) DAAD Professorship , Government of Germany

