

(March 2024)

Brief CV of Dr. A. K. Tyagi

Full name	Dr. AVESH KUMAR TYAGI
Date of birth	25 th June, 1964
Educational qualification	PhD (Chemistry), 1992 BARC / University of Mumbai
Date of joining BARC	August 1, 1986
Postdoctoral research	Max-Planck Institute, Stuttgart, Germany (1995-1996)
Designation and affiliation	Distinguished Scientist (DS), DAE Director, Chemistry Group Director, Bioscience Group Bhabha Atomic Research Centre Trombay, Mumbai, India Senior Professor (Chemistry) Homi Bhabha National Institute, Mumbai, India Email: aktyagi@barc.gov.in aktyagi.barc@gmail.com
Other affiliation	Honorary Professor Jawaharlal Nehru Centre for Advanced Scientific Research Bengaluru
Major Research Interests	Functional Materials (<i>Electro-ceramics, Optical materials, Magnetic materials</i>)
	Nanomaterials (<i>For Energy and Environmental Applications</i>)
	Hybrid Materials
	Metastable Materials

Dr. A. K. Tyagi's scientific profile at a glance

Papers in journals	671
Book chapters and review articles	26
Books	13
Conference proceedings	368
Invited talks, keynote lectures	470 [India: 431; Abroad: 39]
PhD students	45 [Completed: 35; Submitted: 02 Working: 8]
MSc students	05 [All completed]
Patents	1
Organization of conferences, workshops and theme meetings	22
H-Index / Citations (Google Scholar)	69 / More than 20,000

Awards:

- Max-Planck Fellowship, Germany (1995-1996)
- Dr. Laxmi Award by Indian Association of Solid State Chemists (2001)
- Rheometric Scientific-ITAS award by Indian Thermal Analysis Society (2002)
- Gold Medal of Indian Nuclear Society (2003)
- MRSI Medal (2005)
- CRSI Bronze Medal (2006)
- DAE-Homi Bhabha Science and Technology Award (2006)
- Dr. Tarun Datta Memorial Award from IANCAS (2007)
- Indian Chemical Society's RD Desai Memorial Award (2009)
- DAE-SRC Outstanding Researcher Award (2010)
- Rajib Goyal Prize in Chemical Sciences (2010)
- DAE Group Achievement Award (2012 and 2018)
- CRSI - Prof. CNR Rao National Prize in Chemical Sciences (2012)
- ISCB Award for excellence in Chemical Sciences (2013)
- MRSI-ICSC Materials Science Senior Award (2014)
- Coastal Chemical Research Society Award (2014)
- ISCA-Platinum Jubilee Lecture Award (2015)
- Metallurgist of the Year Award (2017)
- CRSI-Silver Medal (2018)
- MRSI-CNR Rao Prize in Advanced Materials (2018)
- National Prize in Solid State and Materials Chemistry (2018)
- Acharya PC Ray Memorial Prize from Indian Science Congress (2020)
- NASI – Prof. NR Dhar Memorial Award (2021)
- JNCASR-Prof. AV Rama Rao Foundation Lecture Award (2022)
- NETZSCH – ITAS Award by Indian Thermal Analysis Society (2022)
- MRSI Distinguished Materials Scientist of the year award (2023)
- DN Agarwal Memorial Award from Indian Ceramics Society (2023)
- Gold medal from Chirantan Rasayan Sanstha (2024)

Fellow of the National Science Academies

- Fellow, Maharashtra Academy of Sciences (2003)
- Fellow, National Academy of Sciences, India (2004)
- Fellow, Indian Academy of Sciences (2013)
- Fellow, Indian National Academy of Engineering (2022)
- Fellow, Indian National Science Academy (2024)

Fellow of the International Science Academies

- Fellow, Royal Society of Chemistry (2011)
- Academician, Asia Pacific Academy of Materials (2013)
- Academician, World Academy of Ceramics (2021)
- Fellow, African Academy of Sciences (2021)
- Fellow, The World Academy of Sciences (2024)
-

President, Society for Materials Chemistry (2022-2025)

Visiting scientist: Germany, USA, France, Sweden, UK, Italy, Spain, Portugal, Canada, Japan, Russia, China, Singapore, Australia, Israel, Malaysia, South Africa