

(Sept. 1, 2026)

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	Dean and Senior Professor Homi Bhabha National Institute Mumbai, India Email: aktyagi@barc.gov.in aktyagi.barc@gmail.com
Other affiliations	J C Bose National Fellow, BARC, Mumbai Adjunct Professor, Institute of Chemical Technology Mumbai
Recent past designations	Distinguished Scientist, DAE, Government of India Director, Chemistry Group, BARC, Mumbai Director, Bioscience Group, BARC, Mumbai Director (Officiating), UM-DAE-CEBS, Mumbai
Major Research Interests	Functional Materials (<i>Electro-ceramics, Optical materials, Magnetic materials</i>)
	Nanomaterials (<i>For Energy and Environmental Applications</i>)
	Hybrid Materials
	Nuclear Materials and Processes

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

Papers in journals	706
Book chapters and review articles	28
Conference Proceedings	368
Books	19
Invited talks, keynote lectures	535 [India: 495; Abroad: 40]
PhD students	47 [Completed: 42, Working: 5]
MSc students	05 [All completed]
Patents	1
H-Index and Citations	77 and 24145
(Google Scholar, as on 1-09-2026)	

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)
- J C Bose National Fellowship (2024)
- Gold Medal from Chirantan Rasayan Sanstha (2024)
- **Vigyan Shri from Government of India (2024)**
- Sastra Tejas Award from Indian Society of Analytical Scientist (2025)
- Lifetime Achievement Award from Rare Earth Association of India (2025)
- Lifetime Achievement Award from Luminescence Society of India (2025)
- M. G. Bhagat Memorial Lecture Award from Indian Ceramics Society (2025)
- N. R. Dhar Memorial Lecture Award of Indian Photobiology Society (2025)
- Distinguished Lecture Fellowship from Indian National Science Academy (2026)

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-Cont.)

(A pan India Scientific Society)

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