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### Dr. TULSI MUKHERJEE

**M.Sc. (Chemistry) Calcutta University;**

**Ph.D., Mumbai University**

* **Scientific Career:** Bhabha Atomic Research Centre (1st August, 1972 to 31st December, 2012)

(Retired as Director, Chemistry group; Distinguished Scientist, DAE and Senior

Professor, Homi Bhabha National Institute)

* **Visiting Scientist :**

**UK:** Paterson Institute for Cancer Research, Christie Hospital, Manchester (3 times) Manchester, Strathclyde, Glasgow, Edinburgh and Swansea Universities, Harwell Nuclear Center

**Germany:** Universities of Leipzig and Heidelberg, and Jacob University, Bremen, Hahn-Meitner Institute, Berlin

**France:** University of Paris Sud, Orsay (2 times); Saclay, CEA France

**China:** Shanghai Institute of Applied Physics (3 times) & Peking Univ., Beijing

**Japan:** Osaka Univ. (3 times),Tokyo Univ. & Waseda Univ (2 times), Chiba University

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| Osaka Prefecture Univ., RIKEN, National Institute of Materials Science and |
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| Advanced Institute of Science and Technology, Tsukuba (2 times) |

**Poland:** Institute of Nuclear Chemistry and Technology, Warsaw, and Institute of Applied Radiation Research, Lodz

**Sweden :** University of Maryland, Baltimore, Brookhaven National Laboratory, Duke University, NorthCarolina; Radiation Laboratory, University of Notre Dame; National Institute of Science and Technology, Gaithersburg.

**Namibia:** University of Namibia; Institute of Applied Technology.

* **Awards / Honours:**

National Scholarship (1965-1968) of the Govt of India

Atomic Energy Scholarship (1968-1970)

Homi Bhabha Gold Medal (1972)

Medical Research Council (UK) Fellowship (1980-81)

British Cancer Research Campaign Fellowship (1981-82, 1986, 1987)

Dr P.K. Bose Memorial Award, 1998

Indian Nuclear Society Award, 2004, from hon’ble PM of India

Indian Chemical Society Acharya Prafulla C Ray Memorial Award (2009)

Society for Free Radical Research Lifetime Achievement Award (2011)

Indian Society for Radiation & Photochemical Sciences Lifetime Achievement Award, 2012

Chemical Research Society of India silver medal for research contribution (2011)

Fellow, National Academy of Sciences, India

Council Member & Fellow, Maharashtra Academy of Sciences

Member, Editorial Board, Research on Chemical Intermediates

Member, Editorial Board, Indian Journal of Radiation Research

Member, Editorial Board, International Journal of Chemistry

Da-Iichi Endowment lecturer, Institute of Chemical Technology, Mumbai

DAE Special Contribution Award (2011)

Professor S.R. Mohanty Endowment Lecture Award, Orissa Science Academy (2012)

Chairman, Speaker & Session Organiser in Gordon (2012) & Miller (2003, 2005,

& 2011) Conferences and International Radiation Research Congress (2011)

IAEA Expert Mission at Namibia (2013)

Member, DST Project Appraisal Committee (Physical Chemistry)

Member, Board of Studies, School of Chemistry & Pharmacy, Central University of Rajasthan

Chairman, Ethics Committee, D Y Patil University, Mumbai

* **General Experience**: Research, Teaching, Project Management, Mentoring, Counselling,

Human ResourceDevelopment, General Scientific Administration

* **No. of Journal Publications**: 400 plus

* **Research interest:** Physical Chemistry, Physical Organic Chemistry, Analytical Chemistry, Nuclear

Chemistry, Radiation & Photochemistry, Laser-based Chemistry

Time-resolved fluorescence spectroscopy, Ultrafast Dynamics,

Pulse Radiolysis, Nanoparticles, Drugs, Antioxidants and Radioprotectors,

De-toxication of drinking water, Forensic Science

* **Other positions held:** Ex-Chairman, HBNI Standing Committee (Chemical Sciences)

Ex-Chairman, Chemistry Committee, BARC Training School;

Ex-President, Society for Material Chemistry, India;

Ex-President, Indian Society for Radiation and Photochemical Sciences;

President, Association of Indian Environmental Analytical Chemistry;

Vice-President, Indian Society of Applied Geochemists;

Ex-President, Indian Chemical Society (Mumbai Branch)

Ex- President, Kendriya Sachivalaya Hindi Parishad

Ex-President, BARC NewsLetter Committee

Ex-Chairman, Committee to Monitor Functions of Departmental Canteens, BARC

Life Member / Fellow of 11 Scientific Societies