



Prof. (Dr) Prashant S. Kulkarni, FICS, FMASc
Professor, Department of Applied Chemistry

Academic Background:

Ph.D. Institute of Chemical Technology (ICT/UDCT), Bombay

Post-doctoral researcher at Energy & Sustainable Development (ENEA), Rome, Italy

Scientist at Institute of Superior Technology & Centre for Green Chemical Processes, Lisbon, Portugal

Research Description:

Ionic Liquids, Advanced Reduction/Oxidation Processes, Hydrogen storage and applications, CO₂ Capture, High Energy Materials, Membrane Processes, Molecularly Imprinted Polymers, Heavy Metal Removal.

Honors and Awards:

- 1) More than 23 years (post-PhD) of **interdisciplinary research experience** (incl. 6 years abroad, EU) mainly in the area of Industrial Chemistry and Engineering.
- 2) **Chemical Technologies** Developed – 8.
- 3) Principal Investigator of DRDO Sponsored “**Safe Hydrogen Project**” (**Funding: 7.4 Crores**) (2021).
- 4) Top 2% Scientist in **World: Ranked by Stanford University**, USA (from 2020).
- 5) **DRDO - National Science Day Award** for contribution in hypergolic, bipropellant research (2019).
- 6) Invited by Elsevier to write Chapter in **Encyclopedia of Environmental Health** (2010, 2018).
- 7) Worked on a prestigious project of DIAT-DRDO, **ERIPR Nano-project (Funding: 42 Crores)** (2017).
- 8) **Outstanding Reviewer** award from Elsevier publishers (2014).
- 9) Invited by Wiley for writing a Chapter in the **Handbook of Combustion** (2014).
- 10) Given a talk in **Confederation of Indian Industry (CII)** – Green Technology, Mumbai (2013).
- 11) Awarded scientist-ship by **Fundação para Ciência e Tecnologia (FCT)**, Gov. of Portugal (2004 & 2007).
- 12) Achieved **single-author publication** in the field of membrane process (Chem. Eng. Journal 2003).
- 13) Awarded post-doctoral fellowship by **ENEA-RES**, Gov. of Italy (2003).
- 14) Recipient of prestigious, **Krishnan Fellow award** from Dept. of Atomic Energy, Gov. of India (2001).

Total No. of Patents Filed	Book Chapters	Total No. of Journal Publications
8	4	81

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