

	Dr. Premnath Venugopalan <i>Technologist, Inventor, Innovation Manager, Business Incubation Manager, Startup Mentor, Entrepreneur</i> 100, NCL Innovation Park Dr Homi Bhabha Road, Pune – 411008 Email: v.premnath@ncl.res.in Phone: +91-20-2590-2986 Web: www.premnath.org
Current status/ position/ designation	• Head of NCL Innovations (the department within CSIR-National Chemical Laboratory (NCL) charged with the responsibility of championing the cause of technology innovation within NCL) • Head, Intellectual Property Group, CSIR-National Chemical Laboratory (India's leading IP management group in the non-profit sector) • Chief Scientist, Polymer Science and Engineering, CSIR-NCL • Director, Venture Center (India's largest science business incubator)
Educational qualifications	• PhD, MIT, Cambridge, USA, 1997 • B. Tech, IIT- Bombay, 1992 • Chevening Technology Enterprise Scholar with Centre for Scientific Enterprise Ltd, London Business School and Dept of Material Science, University of Cambridge, UK (2004-2005)
Professional Experience	TECHNOLOGY DEVELOPMENT & COMMERCIALIZATION Inventor/ technology developer for following commercialized technologies: • High crosslinked UHMWPE materials for joint replacement produced by Zimmer-Biomet • Porous polyethylene implants produced by Biopore Surgicals Inventor/ technology developer for following technologies under development: • Silk based biomedical implants • PLLA based medical products • Specialty security fibre technology Founder: • Orthocrafts Innovations Pvt Ltd (degradable synthetic polymer based biomed products start-up) • BiolMed Innovations Pvt Ltd (silk based biomaterials start-up). Recognitions/Notable: • NCL RF-Cipla Hamied Award for the Best Process/ Product Development, 2006. • Member of High Level Committee on Indigenization of Security Features, RBI, 2016

INNOVATION MANAGEMENT & IP MANAGEMENT

Key contributions:

- Set up and provided leadership to India's leading innovation management group at CSIR-NCL. CSIR-NCL is India's largest patent filing non-profit. CSIR-NCL has one of the best track records in India in technology transfer.
- Set-up and mentored Intellectual Property Facilitation Center in Pune. This is the best performing IPFC of MoMSME in the country.

Founder Director:

- CSIR-Tech Pvt Ltd (a technology commercialization company)

Recognitions/ Notable:

- CSIR Technology Award for Technology Marketing and Business Development, 2013 (Received from Minister of Science and Technology, GoI)
- Member of the National Panel for Technology-Led Innovation Policy, Government of India, 2017. Have been member for High-Powered Committee for CSIR. Member of TAG at ARCI (DST, GoI) , Hyderabad
- CSIR-NCL is the only Indian organization to be mentioned in the WIPO report of World's top 100 Inventive Clusters of the World released in 2017. CSIR-NCL's efforts helped Pune to be listed as 1 out of 3 Indian cities in the top 100 inventive clusters of the world.

BUSINESS INCUBATION & VENTURE FUNDING

Key contributions:

- Set up and provided leadership to India's largest science-based and inventive enterprises incubator. Developed a self-sustaining model for incubation of knowledge intensive startups. Developed a rich innovation ecosystem including mentors, infrastructure, advanced scientific facilities, grant and seed funding, networks, events etc.

Recognitions/ Notable:

- National Entrepreneurship Award, 2019 under Ecosystem Builder Category
- AABI (Asian) Incubator of the Year, 2018
- National Award for Technology Business Incubator, 2015 (received from President of India)
- Member of panels for BIRAC (DBT, GoI), TIFAC (DST, GoI), NSTEDB (DST, GoI), GSBTM (GoG), PMC (GoM).

CONSULTING PROJECTS

Consulting projects have been focused on

- Polymer science and technology
- Technology landscaping, opportunity identification and technology

	strategy • Technology due diligence • Strategy and planning Notable clients: • General Electric • Reliance Industries • Cosmo Films • Bharatiya Reserve Bank Note Mudran Press • Mott MacDonald
Current Research Interests	• Biomed products development with a materials science focus • Novel technology for security documents