

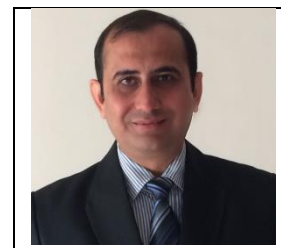
**Name** Dr Pujan B Vaishnav

**Designation** Adjunct Associate Professor-  
Chemistry & Chief (R&D), GSFC Ltd

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School: School of Science



**Research Interest:**

- **General Chemistry, Analytical Chemistry, Phytochemistry, Marine & Environment Science**

**Academic Background:**

Degree	Subject	University	Year
<b><u>Ph D</u></b>	<b><u>Studies of naturally occurring compounds for antimicrobial activities</u></b>	<b><u>MK Bhavnagar University, Bhavnagar</u></b>	<b><u>2001-2005</u></b>
<b><u>M Sc</u></b>	<b><u>Analytical Chemistry</u></b>	<b><u>MK Bhavnagar University, Bhavnagar</u></b>	<b><u>1999-2001</u></b>
<b><u>B Sc</u></b>	<b><u>Chemistry</u></b>	<b><u>MK Bhavnagar University, Bhavnagar</u></b>	<b><u>1996-1999</u></b>

**Professional Experience:**

From	To	Position	Organisation
<b><u>2001</u></b>	<b><u>2005</u></b>	<b><u>Junior Research Fellow (JRF)</u></b>	<b><u>Department of Ocean Development (DOD), OSTC sponsored project at Department of Chemistry, MKBU</u></b>

<u>2005</u>	<u>2006</u>	<u>Research Associate (RA)</u>	<u>Central Salt and Marine Chemicals Research Institute (CSMCRI – CSIR), Bhavnagar</u>
<u>2006</u>	<u>2010</u>	<u>Asst Manager (R&amp;D)</u>	<u>R&amp;D Centre, United Phosphorus Limited, Thane</u>
<u>2010</u>	<u>2011</u>	<u>Manager (DS)</u>	<u>Cadila Pharmaceuticals Limited, Bhat, Ahmedabad</u>
<u>2011</u>	<u>2018</u>	<u>Regional Head (AP) QC&amp;CP South Asia Head (MT)</u>	<u>E I DuPont India Pvt Limited, Savli, Vadodara</u>
<u>2018</u>	<u>On-going</u>	<u>Chief (R&amp;D) R&amp;D, QC, AD&amp;AS</u>	<u>Gujarat State Fertilizers and Chemicals Limited, Vadodara</u>

### Teaching Engagements:

<u>Title</u>	<u>Course Code</u>	<u>Class Name</u>	<u>School Name</u>
<u>Instructor 2001-2005</u>	<u>M Sc Organic Chemistry and Inorganic Chemistry</u>	<u>Part I and II</u>	<u>Department of Chemistry, MKBU</u>

### Patents as Inventor:

- 1) A Process for Preparation of Granulated Ammonium Sulphate  
(Indian Patent No: 369798, Granted in 2021)
- 2) Process for Preparing Granulated Phosphogypsum Fertilizer Composition  
(Indian Patent No. 375109, Granted in 2021)

### Research Projects:

- 1) Studies on groundwater pollution at Alang and Sosiya shipbreaking yards and surrounding villages. Department of Ocean Development, Govt of India. Year 2001 – 2004. JRF – Pujan Vaishnav, Principal Investigator – Dr N C Desai
- 2) Bioremediation of soda ash industry effluent by aquaculture of marine algae. Year 2005-2006. Research Associate – Pujan Vaishnav, Principal Investigator – A Tewari, Emeritus Scientist
- 3) Crop Protection Six Sigma Green Belt Project. Year 2011-2012. SS Champion – Pujan Vaishnav, Instructor – Dipak Vyas

### **Publications:**

*(With GSFC Team)*

Bhatt MD, Vaishnav Pujan (2021) Exploring the Potential of Below Ground Microbiome: Mechanism of Action, Applications, and Commercial Challenges, In *Microbial Metatranscriptomics Belowground 2021* (pp. 615-630). *Springer, Singapore*.

A. K. Mishra, M C Valodkar, P B Vaishnav, “Preparation of complex polyol ester base oil for lubricant from cyclohexane oxidation waste water”. *Indian Journal of Chemical Technology* 27 (2020) 521-524.

P. O. Suresh and P. B. Vaishnav, From Waste to Best: A Novel Fertilize Composition from Waste Phosphogypsum. International Conference on Ecohealth and Environmental Sustainability, Navarachna University, Vadodara, India, 2020

Swati Jain, Priyadarshini Lenka, Pujan Vaishnav, Jinali Shah, Ajay Joshi “Color Removal and COD Reduction of Organic Effluent Stream from a Petrochemical Plant” *International Journal of Recent Technology and Engineering (IJRTE)*, 2019, 8(4) pp. 1786-1792, DOI 10.35940/ijrte.C6118.118419 (I.F.5.92) ISSN: 2277-3878.

Swati Jain, Jinali Shah, Nirmitt Sanchapara, Mukesh Panchal, Bhavika Patel, H.M. Popat, Ajay Joshi, Pujan Vaishnav “Simulation Experiments on Lumping Issues in APS Granules A Case Study” *Indian Journal of Fertilisers*, 2021, 17 (6) pp. 594-598 ISSN: 0973-1822 (I.F.- 3.78, NAAS - 2.80).

P.P. Lenka, S.K. Jain, A.B. Joshi, P.B. Vaishnav “A Review on Treatment Processes of Organic Effluent Stream from a Petrochemical Plant,” One Day Seminar On Environmental Impact Assessment organized by Department of Environmental Studies, Faculty of Science, The Maharaja Sayajirao University Of Baroda on 22<sup>nd</sup> March 2019.

### **Training/Membership/Credentials:**

- 1) Industrial Care Alliance Training, Vadodara (Approved by Directorate of Industrial Safety & Health, Gujarat) – General Safety Awareness as per section 111 A.
- 2) World Intellectual Property Organisation (WIPO worldwide academy) – General Course on Intellectual Property
- 3) Process Safety and Risk Management – Foundation Training Course – Mfg. SHE-PSM Resource – Asia Pacific

- 4) Life Member – India Chemical Society
- 5) Independent Director – GSFC Agrotech Limited (GATL)
- 6) Member Secretary (I) – GSFC Science Foundation
- 7) Competent Trainer and Auditor – 5 S, NABL, Contamination Prevention, PSM