

# CURRICULUM VITAE

## Dr. Shailesh Kumar Prasad

Associate Professor

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### Personal Details

**Date of Birth:** 06<sup>th</sup> Dec 1968

**Sex:** Male

**Father's Name:** (Late) Sri Bindeshwari Prasad

**Marital Status:** Married

**Nationality:** India

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### Corresponding Address:

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NIT Jamshedpur-831014, Jharkhand

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### Education

**Doctor of Philosophy (Ph. D.); 2010** Ranchi University, Ranchi

**Thesis Title:** Inorganic Ion Exchangers In The Removal of <sup>(85+89)</sup>Sr And <sup>134</sup>Cs From Aqueous Solution (Radiotracer Study)

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### Research Interest

- Material chemistry,
- Surface Chemistry
- Environmental Chemistry
- Radioactive waste management

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### Teaching Experience: 21 Yrs

- **Associate Professor (2007-Till Date)**  
Department of Chemistry, National Institute of Technology, Jamshedpur
- **Assistant Professor/Lecturer (1996-2007)**  
Department of Chemistry, National Institute of Technology, Jamshedpur

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### Administrative Experience

- Head, Department of Chemistry, National Institute of Technology, Jamshedpur
- Chairman, Board of Studies, Dept. of Chemistry, NIT, Jamshedpur
- Chairman, PhD Admission Committee, NIT, Jamshedpur

### **Seminar/Symposia/Workshop Attended**

1. Safety and risk assessment in process industries, dept. of chemical engg, University of Roorkee, 6-25 Dec 1999.
2. Staff Induction Training Programme, S V Regional College of Engineering And Technology, Surat, Gujarat, 17 July-4<sup>th</sup> Aug 2000
3. Teacher's role in engineering education, dept. Of mechanical engineering, RIT Jamshedpur, 25 Dec 2000 to 13 Jan 2001
4. Some aspects of modelling and simulation of electrical system, dept. Of electrical engineering, RIT Jamshedpur, 24<sup>th</sup> Dec 2001 to 6<sup>th</sup> Jan 2002
5. Numerical methods, dept. of mathematics NIT Jamshedpur, 26 to 31 Dec 2006
6. Programming and data structure, dept. Of computer applications, NIT Jamshedpur, 02-08 Jan 2007
7. Hazadous waste management, dept. Of chemical engineering, IIT Roorkee, 9<sup>th</sup> July to 13<sup>th</sup> July 2007
8. Ion Exchangers in radioactive waste management: Part-XIII, removal behavior of hydrous manganese oxide for Cs(I). Nuclear And Radio Chemistry Symposium, BARC, Mumbai, 10<sup>th</sup>-13<sup>th</sup> Feb 2003
9. Biosorptive behavior of Mango (*Mangifera Indica*) and Neem (*Azadirachta Indica*) barks for <sup>134</sup>Cs from aqueous solution: A radiotracer study, Proc. APSORC, S4-O-13, APSORC-2005, Beijing, China.
10. Inorganic particulates in removal of toxic heavy metal ions: Part-X. Removal behavior of aluminium hydroxide for Hg (II)- A radiotracer study. Proc. Of ARCEBS-06, CHEM 42, ARCEBS-06, Saha Institute of Nuclear Physics (SINP), Kolkata, India
11. Biosorptive behavior of rice hulls for <sup>134</sup>Cs from aqueous solution: A radiotracer study, ISEAC34 Conference, Hamburg, Germany, 2006.
12. Human resource training: challenges and opportunities, dept. of humanities, NIT Jamshedpur, 9<sup>th</sup> to 10<sup>th</sup> Feb, 2008
13. Teaching learning process, dept. of mechanical engineering, NIT Jamshedpur, 10<sup>th</sup> to 14<sup>th</sup> April 2008
14. National Conference on GEPSID-2014 at GNDEC, Ludhiana, Punjab during 10<sup>th</sup> to 12<sup>th</sup> Oct, 2014
15. National Workshop on Green Chemistry and Sustainable Development, 17-18<sup>th</sup> Mar, 2017, Dept. of Chemistry, NIT, Jamshedpur.

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### **List of Journal Publications**

1. Shuddhodan P. Mishra, & Diwakar Tiwari, **S.K. Prasad**, R. S. Dubey & M.Mishra, Inorganic ion exchangers in radioactive waste management. Part-XVI. Uptake behavior of some metal phosphates (stannic and zirconium) for Cs(I), *J.Radioanal.Nucl.Chem.*, 268, 191-199, 2005.
2. Diwakar Tiwari, **S. K. Prasad**, J. K. Yang, B. J. Choi & S. M. Lee., Inorganic and Biomaterials in the Removal/Speciation of Radiocesium and Radiostrontium: An Overview., *Environ. Eng. Res.*, 11, 106-125, 2006
3. Shuddhodan P. Mishra, & Diwakar Tiwari, **S.K. Prasad**, R. S. Dubey & M.Mishra, Inorganic particulates in removal of toxic heavy metal ions: Part-X. Removal behavior of aluminum hydroxide for Hg(II) – A radiotracer study, *J. Radioanal. Nucl. Chem.*, 274, 257, 2007
4. Shuddhodan P. Mishra, **S.K. Prasad**, R. S. Dubey & M.Mishra Diwakar Tiwari, & S. M. Lee, Biosorptive behavior of rice hulls for Cs-134 from aqueous solutions: A radiotracer study, *Appl. Radiat. Isot.*, 65, 280-286, 2007
5. Shuddhodan P. Mishra, & Diwakar Tiwari, **S.K. Prasad**, R. S. Dubey & M.Mishra, Biosorptive behavior of Mango (*Mangifera indica*) and Neem (*Azadirachta indica*) barks for Cs-134 from aqueous solutions: A radiotracer study, 272, 371-379, 2007
6. Sampad Ghosh, Balram Ambade, **Shailesh Kumar Prasad**, Anand K. Choudhary, Simultaneous Extraction of Copper and Iron from Chalcopyrite Concentrates in Hydrochloric Acid Media: Effect of Additives and Temperature, *Inter. J. Eng. Sci*, 1, 8-13, 2012
7. Thanhmingliana, Seung Mok Lee, Diwakar Tiwari, **Shailesh K. Prasad**, Efficient attenuation of 17 $\alpha$ -ethynylestradiol (EE2) and tetracycline using novel hybrid materials: batch and column reactor studies., *RSC Adv.*, 5, 46834-46842, 2015
8. Diwakar Tiwari, W. Kim, M. Kim, **S.K. Prasad**, S. M. Lee, Organo-sericite in the remediation of phenol contaminated waters, *Desalination & Water Treatment*, 53, 446-451, 2015
9. Monalisa Kundu, **Shailesh Kumar Prasad** and Virender Kumar, A Review Article on Green Inhibitors of Reinforcement Concrete Corrosion, *International Journal of Emerging Research in Management and Technology*, 5, 42, 2016
10. **Shailesh Kumar Prasad**, Monalisa Kundu, Virendra Kumar, Effectiveness of Inhibitors on Rebar Corrosion in Simulated Concrete, *International Journal for Scientific Research & Development*, 4, 165, 2016
11. Santosh K. Verma, Kallol K. Ghosh, Rameshwari Verma, **Shailesh K. Prasad**, Shekhar Verma, Effect of pH, Hydrophilicity, Hydrophobicity and Inorganic Salts on the Enzymatic Activity of *Mucor javanicus* Lipase, *Tenside Surfactants Detergents*, 2017 (Under Review)
12. Han-Seung Lee, Hyun-Min Yang, Jitendra Kumar Singh and **Shailesh Kumar Prasad**, Corrosion Mitigation of Steel Rebars in Simulated Concrete Pore Solution with Newly Synthesized Inhibitor: An Electrochemical Investigation, *Construction & Building Materials*, 2017 (Under Review)

13. Han-Seung Lee, Jitendra Kumar Singh, Mohamed A. Ismail, Chinmoy Bhattacharya, **Shailesh Kumar Prasad**, Corrosion characteristics and mechanism of Al-Zn coating deposited by arc thermal spraying process in saline solution with exposure periods, Arabian Journal of Chemistry, 2017 (Under Review)
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### List of Conference Proceedings

1. Monalisa Kundu, **S K Prasad** and Virender Kumar, Protective coating of Zn-Al Alloy on TMT Rebar for Concrete Application, GEPSID, 11-12 Oct 2014.
  2. Virender Kumar, **Shailesh Kumar Prasad** and Monalisa Kundu, Corrosion Inhibitors for Rebar in Concrete: An Overview, UKIERI concrete congress, 2015
  3. Monalisa Kundu, **Shailesh Kumar Prasad** and Virender Kumar, Corrosion Protection of Steel Reinforcement in Simulated Concrete Solutions in the Presence of Inhibitors: An Overview, International Conference on Nanoscience and Nanotechnology for Energy Applications EApp 2016, Sathyabama University, Workshop, Chennai, Tamil Nadu, 27-29th June 2016
  4. **S.K. Prasad** , H.S.Lee , Jitendra Kumar Singh, R. S Pathania, D.D.N. Singh, Role of Corrosion Behaviour of Reinforcement bars exposed in SCP solution, Dura BI, 2018
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