

# Curriculum Vitae

Name **Dr. Ashish Kumar Singh**  
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## **Research Highlights**

**Listed as top 2% researcher of India** (Under Energy Sector) provided by Stanford University (Nov 2022)

**Listed as top 2% researcher of India** (Under Energy Sector) provided by Stanford University (Nov 2021)

**Listed as top 2% researcher of India** (Global Rank 895 under Energy Sector) provided by Stanford University (Nov 2020)

My research work “A Review on Synthesis, Properties, and Applications of Polylactic Acid/Silica Composites” Polymers 2021, 13, 3036. <https://doi.org/10.3390/polym13183036> has been highlighted in Encyclopedia on 24 Sep 2021

My research work (Mat. Lett. 2009; 63:819-822) has been highlighted in **Nature India** Research Highlight as **Antibiotic shield against corrosion, doi:10.1038/nindia.2009.113**; Published online 29 April 2009

## **Research Experience/Educational Qualifications**

**Postdoctoral Research Fellow**, North-West University, South Africa (May, 2010 – Sep, 2013) Advisor: Prof. Eno E. Ebenso

During postdoctoral my research had been focused on the development of different smart materials to mitigate the damage caused by corrosion. We have also developed some nano-container loaded with corrosion inhibitor to control the damage of monuments caused by corrosion. We have also developed some promising materials to increase the efficiency of solar cells.

**Ph.D.** Indian Institute of Technology (Banaras Hindu University), Varanasi, India

(Aug, 2006 – May, 2010)

**Senior Research Fellow**

(Aug, 2008 – May, 2010)

**Junior Research Fellow**

(Aug, 2006 – Aug, 2008)

**Advisor: Prof M. A. Quraishi**

**Thesis: Study of some Heterocyclic compounds as Potential Corrosion Inhibitors**

**M.Sc. (Chemistry)**

**CSIR NET- 2004, 2005**

**GATE- 2005 with all India rank 369**

### **Membership in Professional Bodies**

- **Lifetime member of Indian Science Congress**
- **Member of National Association of Corrosion Engineers (NACE)**

### **AREA OF INTEREST**

- Corrosion Control
- Surface Treatment
- Green Chemistry
- Solar cells
- Co-ordination Chemistry
- Theoretical and Computational Chemistry

### **Academic Recognition**

Listed as top 2% researcher of India (Under Energy Sector) provided by Stanford University- **Nov 2022**

Listed as top 2% researcher of India (Under Energy Sector) provided by Stanford University- **Nov 2021**

Listed as top 2% researcher of India (Global Rank 895 under Energy Sector) provided by Stanford University- **Nov 2020**

Best Researcher Award from North-west University, South Africa- **2013, 2012**

Highest Citation Award from North-West University, South Africa- **2013, 2012**

Best Poster Presentation Award at BARC, Mumbai- **2018**

Best Poster Presentation Award at CORCON, Mumbai- **2018, 2021**

Global Alumni Award from Global Alumni Association of IITBHU for best publication- **2011**

### **RESEARCH PROFILE**

Total Citation - > **5300**

H-index – **39**

No of Research articles in Journals = **74**

No of Papers presented in Conferences = **20**

No of Invited Book Chapter Published = **15**

No. of Ph.D. Students Supervised = **04**