

Dr. Mohanakrishna Gunda

Marie Curie Fellow

Department of Civil and Architectural Engineering

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Professional Experience

Visiting Researcher	Mar, 2017 to Till date
Institute	: Qatar University, Doha, Qatar
Research Topic	: Bioenergy generation from petroleum based wastewater treatment
Project Coordinators	: Prof. Ibrahim M. Abu-Reesh and Dr. Riyadh I. Al-Raoush, Qatar University, Qatar
Lead Research Scientist	Nov, 2016 to Feb, 2017
Company	: Innotech Interventions, IKP Knowledge Park, Hyderabad
Position	: Research Scientist
Marie Curie Postdoc Fellow	May, 2014 to May, 2016
Institute	: VITO NV, Belgium
Research Topic	: Bio-Electrochemical Production of Ethylene through CO ₂ Sequestration
Project Coordinators	: Dr. Deepak Pant, VITO NV, Mol, Belgium
Post-doc Researcher	Feb, 2012 to Sept, 2013
Institute	: INRA-LBE, France
Research Topic	: Biofuels generation from CO ₂ sequestration through Microbial Electrosynthesis
Project Coordinators	: Dr. Nicolas Bernet and Dr. Eric Trably, INRA-LBE, Narbonne, France
Project Assistant	Feb, 2006 to Mar, 2008
Institute	: Indian Institute of Chemical Technology (CSIR-IICT), India
Research Topic	: Carrying capacity studies for Visakhapatnam region
Research Supervisor	: Dr. S. Venkata Mohan and Dr. P.N. Sarma, CSIR-IICT, Hyderabad, India
Environmental Engineer	Sept, 2004 to Sept, 2005
Organization	: Pantheon Technologies, Hyderabad, India
Research Topic	: Designing and performance evaluation of commercial scale wastewater treatment plants
Managing Director	: Mr. Umesh Viru, Pantheon Technologies, Hyderabad, India

Educational Qualifications

Ph.D (Environmental Biotechnology)	Mar, 2012
Institute	: Jawaharlal Nehru Technological University Hyderabad (JNTUH) and Indian Institute of Chemical Technology (CSIR-IICT), India
Research Topic	: Integrated bioprocess for renewable and sustainable energy generation through waste remediation: biohydrogen and bioelectricity
Research Supervisor	: Dr. S. Venkata Mohan, Principal Scientist, BEES, CSIR-IICT, India
M.Sc in Environmental Biotechnology (Marks, 70.18%)	Sept, 2004
University	: Jawaharlal Nehru Technological University Hyderabad (JNTUH)
Dissertation Topic	: Marine sponges as biological indicators for the heavy metal pollution in Gulf of Mannar
Research Supervisor	: Dr. J. Venkateswara Rao, Principal Scientist, Toxicology, CSIR-IICT, India
B.Sc (Marks, 70.44%)	Apr, 2001
University	: Kakatiya University, Warangal, India
Major Subjects	: Microbiology, Botany and Chemistry

Publications

Total SCI Publications	49
Book Chapters	11
Conference/Workshop Proceedings	38
Average Impact Factor	5.10
Total Citations (Google Scholar)	2688 (Average- 50+ per publication)
H-Index	31
i10 Index	43
Invited talks/Conference Chair	05

Scientific Management

Involved Projects	
R& D Projects	: 09
Consultancy Projects	: 05
Supervised Academic Internships	
M. Tech. Students	: 14
M. Sc. Students	: 27
B. Tech. Students	: 13

Fellowships and Grants

1. **Qatar National Research Fund (QNRF) Grant** on “Evaluation of biostimulation to improve microbial electroremediation of petroleum hydrocarbon contaminated soils in bioelectrochemical systems”. Role- Research Mentor. (Grant no. UREP24-135-2-038)
2. **Marie Curie Post-Doc Research Fellowship Grant** under Intra European Fellowship (IEF, Score - 97% http://cordis.europa.eu/project/rcn/191384_en.html (Grant no. 626959; Value - 1,77,000/- €).
3. **Post-Doctoral Fellowship** from INRA-LBE, France, Feb-2012
4. **Senior Research Fellowship (SRF)** from **Council of Scientific and Industrial Research (CSIR)**, India. April 2008 to April 2011.
5. Elsevier - **International Advisory Member** (2014-2016)
6. **The Biotech Research Society of India (BRSI)** – Life Member (LM 874)

Awards and Honors

1. **Sentinel of Science Award - 2016** in the field of Environmental Science as one of the Top 10 percent peer-reviewers by **Publons**.
2. Certificate of **Outstanding Contribution in Reviewing** from **Bioresource Technology** (Year-2016).
3. **1st Prize Winner in the ‘Energy and Environment Research’ Category** in Qatar Foundation Annual Research Conference 2014 (**ARC’14**), Qatar, 18-19th November 2014.
4. **AU-CBT Excellence Award - 2009** for doctoral studies from The Biotech Research Society of India (BRSI) on VII Convention of BRSI. (<http://www.brsi.in/awardees.html>).
5. **Gold Medal for Director’s Special Appreciation Award for Best SRF-2008**, Indian Institute of Chemical Technology (CSIR-IICT), Hyderabad. On Foundation Day, 5th August 2009.
6. **Best Paper presentation (2nd prize)** in 1st AP Science Congress 2008, AP Akademi of Sciences and Osmania University, India.
7. Qualified for **Graduate Aptitude Test in Engineering (GATE-2006)**, Specialization-Biotechnology.
8. **2nd rank in JNTU, Hyderabad full-time Ph.D.** entrance in **Environmental Science and Technology** year 2005 (not utilized due to available alternate funding).
9. **4th Rank in JNTU, Hyderabad Entrance Test for M.Sc. in Environmental Biotechnology**, Year 2001.
10. **Invited Peer Reviewer – 30+ SCI Journals**