

RAJEEV GANDHI MEMORIAL COLLEGE OF ENGINEERING & TECHNOLOGY,
NANDYAL (AUTONOMOUS)

Department of chemistry

LIST OF ARTICLES IN WEB OF SCIENCE JOURNALS

2017-2018

1. Solar and visible active amino porphyrin/SiO₂-ZnO for the degradation of naphthol blue black.
Krishnakumar Balu, **Avula Balakrishna**, V Pandiyan, António Aguiara, Abilio Sobral, Journal of Physics and Chemistry of Solids, 111, 2017, 364-371. Impact factor: 2.048
2. Removal of hydrogen sulfide generated during anaerobic treatment of sulfate-laden wastewater using biochar: Evaluation of efficiency and mechanisms.
J. Kanjanarong, B. S. Giri, D. P. Jaisi, F. Oliveira, P. Boonsawang, S. Chaiprapat, R. S. Singh, **Avula Balakrishna**, Samir Kumar Khanal, Bioresource Technology 234, 115-121, (2017) Impact factor: 4.915
3. Chemically modified amino porphyrin/TiO₂ for the degradation of Acid Black 1 under day light illumination.
B.Krishna Kumar, **Avula Balakrishna**, Cláudia T. Arranja, Carlos M. F. Dias, Abilio J. F. N. Sobral, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 176, 134-141 (2017) Impact factor: 2.15
4. Arun Babu Birusanti, Umamahesh Mallavarapu, Devanna Nayakanti, Chandra Sekhar Espenti, Sreenivasulu Mala, "Sustainable Green Synthesis of Silver Nanoparticles by using Rangoon Creeper leaves Extract and Their Spectral Analysis and Anti-Bacterial Studies" IET Nanobiotechnology, IET Nanobiotechnology, Volume 13, Issue 1, 2019, p. 71 – 76DOI: 10.1049/iet-nbt.2018.5117