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.Civil and Environmental Engineering..

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المؤهلات الأكاديمية

Ph.D, Jamia University, 2002, Physico-chemical and toxicological studies and treatment of industrial effluents

أنشطة التدريس

Water treatment principle and Design, wastewater treatment aerobic and anaerobic, 2009-2020

Green Engineering, environmental issues and risk concepts, air pollution from industrial operations and its control, air pollution due to automobiles, green chemistry, flow sheet analysis for pollution control, environmental cost accounting, life cycle concepts and green engineering and industrial ecology., 2017-2020

Water and Wastewater treatment, Wastewater for sustainable energy through microbial electrolysis reactor technology for GHG and CO2 reduction and energy. Innovation industrial design, sustainable development, creation of research center, guidance research international collaboration, Remediation applications for phyto/bioremediation of metals, TPH and nutrients, Wetlands technology application for environmental restoration, , 2017-2020

Wastewater treatment principle design, Microbial electrolysis cell develop from dual waste degradation-hydrogen and energy production, Established industrial high demand research center (national innovation center, sustainable design and renewable sources energy, develop stronger links with industry, Energy & Environment, Environmental sustainability, , 2017-2020

- Anwar Ahmad, S. Al Dawery, SS. Reddy, 2020. Anaerobic degradation of palm oil mill effluent .1 with aluminum bauxite residue for methane production. Energy and Environment. (ISI) .doi.org/10.1177/0958305X20923120 I. Factor-1.79
- Anwar Ahmad, Sultan Ghadeer, Talal A-Hosini, 2020. Study on Grey water treatment using cement kiln dust and chemical coagulants. Journal of Applied Water Engineering and Research. .DOI 10.1080/23249676.2020.1761900 (ISI) I. Factor-1.98
- Anwar Ahmad, R. Ghufuran, Talal A-Hosini, 2020. Bioavailability of zinc oxide nano particle with fly ash soil for the remediation of metals by Parthenium hysterophorus. J. Environmental Health Science and Engineering. DOI: 10.1007/s40201-019-00434-2. (ISI) I. Factor-3.69
- Al Dawery S. Anwar Ahmad, SS. Reddy, 2020. Cost effective treatment of sludge conditioning using supernatant fluid polyelectrolyte. Environmental Science and Pollution Research. DOI: .10,1007/s11356-020-07694-8. (ISI) I. Factor-3.55
- Anwar Ahmad., 2019. Process evaluation of petroleum wastewater treatment with zinc oxide nano particle for the production of methane gas. Applied Biochemistry and Biotechnology. Springer .DOI: 10.1007/s12010-019-03137-4 (ISI) I. Factor-3.99
- Anwar Ahmad, S. S. Reddy., 2019. Performance evaluation of upflow anaerobic sludge blanket reactor using immobilized ZnO nanoparticle enhanced continuous biogas production. Energy and Environment. DOI: 10.1177/1367549417708437 I. Factor-1.79
- Anwar Ahmad, S. S. Reddy, R. Ghufuran., 2019. Model for bioavailability and metal reduction from soil amended with petroleum wastewater by rye-grass L. International J. of Phytoremediation. .(DOI:10.1080/15226514.2018.1537243) (ISI) I. Factor-2.99
- Anwar Ahmad, 2019. Effect of ozonation on biodegradation and methanogenesis of palm oil mill effluent treatment for the production of biogas, Ozone Science & Engineering - ISI I. Factor-1.893. ,doi.org/10.1080/01919512.2019.1565987
- Anwar Ahmad., 2018. Bioprocess evaluation of co-digestion petroleum wastewater with rye grass for the performance of methane production. Wastes and Biomass Valorization. Springer .DOI:10.1007/s12649-018-0473-9 (ISI) I. Factor-2.95
- Anwar Ahmad, Rumana Ghufuran 2018. Review on industrial wastewater energy sources and carbon emission reduction: Towards a clean production. International J. Sustainable Engineering. .doi.org/10.1080/19397038.2018.1423647. (ISI) I. Factor-4.93
- Anwar Ahmad, Rumana Ghufuran 2018. Review on industrial wastewater energy sources and carbon emission reduction: Towards a clean production. International J. Sustainable Engineering. .doi.org/10.1080/19397038.2018.1423647. (ISI) I. Factor-4.93
- Anwar Ahmad, Zularisam A. Wahid, 2017, Immobilized Cement Kiln Dust Enhances Biomass and Neutralizing of Palm Oil Mill Effluent for Biogas Production. Environmental Progress (DOI: .10.1002/ep.12057). (ISI) I. Factor-1.89
- Anwar Ahmad, R. Ghufuran, 2015. Evaluation of the bio-kinetics of cement kiln dust in an upflow anaerobic sludge blanket reactor for treatment of palm oil mill effluent as a function of hydraulic retention time. Separation and Purification Technology 133 (pp 29-137 (ISI) I. Factor-5.9

Anwar Ahmad, 2015, A novel application of red mud-iron on granulation and treatment of 2011 .1 palm oil mill effluent using upflow sludge blanket reactor. Environmental Technology (DOI:10.1080/09593330.2014.919034). (ISI) I. Factor-1.99., details

الخبرة الإدارية

Quality Control and Management Officer - University of Nizwa :2020 - 2017
OAAA, SM, ADRI, Documentation

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