

DR ANTENEH MESFIN YENENEH
 ASSOCIATE PROFESSOR
 CHEMICAL ENGINEERING
 INTERNATIONAL MARITIME COLLEGE OMAN



- A comprehensive review on rheological studies of sludge from various sections of municipal wastewater treatment plants for enhancement of process performance** 59 2018
 E Hong, AM Yeneneh, TK Sen, HM Ang, A Kayaalp
 Advances in Colloid and Interface Science 257, 19-30
- Study on biosorption of heavy metals by modified lignocellulosic waste.** 51 2011
 AM Yeneneh, S Maitra, E Usama
 Journal of applied sciences 11 (21), 3555-3562
- Effect of ultrasonic, microwave and combined microwave–ultrasonic pretreatment of municipal sludge on anaerobic digester performance** 47 2013
 AM Yeneneh, S Chong, TK Sen, HM Ang, A Kayaalp
 Water, Air, & Soil Pollution 224, 1-9
- Effect of microwave and combined microwave-ultrasonic pretreatment on anaerobic digestion of mixed real sludge** 46 2015
 AM Yeneneh, A Kayaalp, TK Sen, HM Ang
 Journal of Environmental Chemical Engineering 3 (4), 2514-2521
- Synthesis and characterization of a novel Ca-alginate-biochar composite as efficient zinc (Zn^{2+}) adsorbent: Thermodynamics, process design, mass transfer and ...** 40 2019
 S Biswas, TK Sen, AM Yeneneh, BC Meikap
 Separation Science and Technology 54 (7), 1106-1124
- ANFIS based Modelling of dewatering performance and polymer dose optimization in a wastewater treatment plant** 23 2018
 E Hong, AM Yeneneh, TK Sen, HM Ang, A Kayaalp
 Journal of Environmental Chemical Engineering 6 (2), 1957-1968
- Effect of combined microwave-ultrasonic pretreatment on anaerobic biodegradability of primary, excess activated and mixed sludge** 23 2013
 A Yeneneh, T Sen, S Chong, HM Ang, A Kayaalp
 Computational Water, Energy, and Environmental Engineering 2, 7-11
- Effects of temperature, polymer dose, and solid concentration on the rheological characteristics and dewaterability of digested sludge of wastewater treatment plant (WWTP)** 22 2016
 AM Yeneneh, E Hong, TK Sen, A Kayaalp, HM Ang
 Water, Air, & Soil Pollution 227, 1-14
- Rheological characteristics of municipal thickened excess activated sludge (TEAS): impacts of pH, temperature, solid concentration and polymer dose** 22 2016
 E Hong, AM Yeneneh, A Kayaalp, TK Sen, HM Ang, M Kayaalp
 Research on Chemical Intermediates, 1-19
- Air, gas, and water pollution control using industrial and agricultural solid wastes adsorbents** 18 2017
 TK Sen
 CRC Press
- Effect of combined microwave-ultrasonic pretreatment of real mixed sludge on the enhancement of anaerobic digester performance** 18 2015
 AM Yeneneh, A Kayaalp, TK Sen, HM Ang
 Water, Air, & Soil Pollution 226, 1-14

Solvent dewaxing of heavy crude oil with methyl ethyl ketone AM As'Ad, AM Yeneneh, EO Obanjiesu J. Pet. Environ. Biotechnol 6 (2), 2-5	15	2015
Rheological characteristics of mixed kaolin–sand slurry, impacts of pH, temperature, solid concentration and kaolin–sand mixing ratio E Hong, CM Herbert, AM Yeneneh, TK Sen International Journal of Environmental Science and Technology, 1-10	13	2016
Review on waste biomass valorization and power management systems for microbial fuel cell application M Ahanchi, T Jafary, AM Yeneneh, PF Rupani, A Shafizadeh, H Shahbeik, ... Journal of Cleaner Production, 134994	12	2022
Study on performance enhancement of anaerobic digestion of municipal sewage sludge AM Yeneneh Curtin University	10	2014
Optimisation of Microwave, Ultrasonic and Combined Microwave-Ultrasonic Pretreatment Conditions for Enhanced Anaerobic Digestion AM Yeneneh, TK Sen, HM Ang, A Kayaalp Water, Air, & Soil Pollution 228 (1), 1-13	9	2016
The relationship between physico-chemical and rheological characteristics of digested sludge, biosolid, centrate and the effects on dewatering performance (A case study) E Hong, AM Yeneneh, TK Sen, HM Ang, A Kayaalp Journal of Water Process Engineering 19, 193-204	8	2017
Corrosion mitigation in oil reservoirs during CO2 injection using nanomaterials AS Bhadouria, A Kumar, D Raja, A Verma, S Singh, P Tripathi, Y Kumar, ... Nanotechnology for CO2 Utilization in Oilfield Applications, 127-146	5	2022
Taxonomic classification of sulphate-reducing bacteria communities attached to biocathode in hydrogen-producing microbial electrolysis cell T Jafary, AM Yeneneh, WRW Daud, MSS Al Attar, RKM Al Masani, ... International Journal of Environmental Science and Technology, 1-10	5	2021
Clay Minerals: Properties, Occurrence and Uses T Sen	5	2017
Rheological characteristics of mixture of raw primary and thickened excess activated sludge: impact of mixing ratio, solid concentration, temperature and sludge age E Hong, AM Yeneneh, TK Sen, HM Ang, A Kayaalp, M Kayaalp Desalination and Water Treatment 57 (44), 20726-20737	5	2016
The Role of Sludge Pretreatment on the Enhancement of Anaerobic Digester Performance in Wastewater Treatment Plants AM Yeneneh, T Sen, A Kayaalp, M Ang Physical, Chemical and Biological Treatment Processes for Water and ...	5	2015
Biosorption of heavy metals by potassium hydrogen phosphate and sodium oxalate modified lignocellulosic waste AM Yeneneh, M Thanabalan, UMN El Demerdash 2011 National Postgraduate Conference, 1-6	4	2011
Effect of External Load and Salt Concentration on the Performance of Microbial Desalination Cell A Al Balushi, F Al Maqbali, H Al Saidi, I Al Maaini, AY Mesfin, ... International Journal of Integrated Engineering 14 (2), 106-114	2	2022
Corrosion mitigation in oil reservoirs during CO injection AS Bhadouria, A Kumar, D Raj, A Verma, S Singh, P Tripathi, Y Kumar, ...	1	2022
Study on rheological properties of kaolin and bentonite slurry solutions E Hong, AM Yeneneh, TK Sen, J Shah Clay Minerals: Properties, Occurrence and Uses; Nova Science: New York, NY, USA	1	2017
Functional Materials for the Oil and Gas Industry: Characterization and Applications D Dwivedi, A Ranjan, JS Sangwai CRC Press		2023
Application of Self-Cleaning Materials in the Oil and Gas Industries P Tripathi, Y Yadawa, A Verma, P Kumar, ASK Sinha, D Dwivedi, ... Functional Materials for the Oil and Gas Industry, 87-108		2023
Opportunities and Challenges in Climate-Friendly Clean Water and Energy Technologies JS Basha, JK Adewole, AM Yeneneh, LK Abidoye DOI: 10.4018/978-1-6684-7303-0		2023

Biological Fuel Cells: Fundamental to Applications M Rahimnejad Elsevier	2023
Future Applications of Biological Fuel Cells T Jafary, AM Yeneneh, AH Muna, MH Abu Bakar, M Rahimnejad Biological Fuel Cells, Fundamental to Applications 1, 463-485	2023
Metal Cation and Surfactant-Assisted Flocculation for Enhanced Dewatering of Anaerobically Digested Sludge S Shinde, AM Yeneneh*, T Jafary, KA Balushi, E Hong, ... Sustainability 15 (4), 3448	2023
Application of Functional Materials and Corrosion Inhibitors for Downstream Offshore Oil and Gas Industry AM Yeneneh, T Jafary, A Al Kharousi, M Al-Ajmi, H Oladipo, T Kumar, ... Functional Materials for the Oil and Gas Industry, 23-37	2023
Functional Clay Minerals Application in Oil and Gas Industries T Jafary, AM Yeneneh, L Abidoye, T Kumar, A Khalifullah, J Adewole, ... Functional Materials for the Oil and Gas Industry, 207-220	2023
Biosorption of Pb (II) And Ni (II) By Protonated Industrial Waste Yeast Biomass AM Yeneneh, T Kaba, T Jafary, K Al Balushi, F Al Mahrouqi, J Adewole, ...	2022
Current advances, challenges, and prospects of CO2 capture, storage, and utilization T Jafary, AM Yeneneh, J Adewole, AA Kharousi, T Kumar, D Raj, A Kumar, ... Nanotechnology for CO2 Utilization in Oilfield Applications, 184-210	2022
Removal of Oil from Contaminated Wastewater Using Thermo-Chemically Modified Lignocellulosic Biomass M AL-AJMI, A AL-HAMDANI, AM YENENEH, T JAFARY Materials Science Forum 1059, 157-170	2022
Removal Of Lead Using Chemically Modified Lignocellulosic Biomass A Yeneneh, AD Nawaz, J Adewole, A Firouzi, M Al-Balushi, H Al-Jabri the 17th IWA Leading Edge Technology Conference on Water and Wastewater ...	2021
Investigation On Biosorption Of Lead By Acid And Surfactant Modified Rice Husk And Sugarcane Bagasse A Yeneneh, J Adewole, H Eugene, A Firouzi, MZ Khan 17th Leading Edge Technology Conference 2021, Reno, USA	2021
Anaerobic Biodegradation of Used Motor Oil for Safe Disposal TMA Al Maqbali, K Alessai, AHS Al hinai, AM Al Maktoumi, A Yeneneh, ... AiChE Annual Meeting 2020, USA	2020
Application of Innovative Low-Cost Bio-Flocculants for Enhanced Wastewater Treatment A Yeneneh, D Al-Aamri, J Adewole, A Firouzi, M Al Ajmi, A Noor Alam AiChE Annual Meeting 2020, USA	2020
Application of statistical Data Analysis Software (R) for Active in Class Learning MZ Khan, J Adewole, A Yeneneh, A Firouzi 1st International Conference on Teaching and Learning. Sultan Qaboos ...	2020
Rheology as a tool for polymer dose and dewatering optimization in wastewater treatment plants AM Yeneneh Omani Desalination Researchers Network 4th Meeting	2018
BIOSORPTION OF DIVALENT HEAVY METAL IONS BY RICE HUSK: A REVIEW AM Yeneneh, TK Sen, M Thanabalan, H Eugene Air, Gas, and Water Pollution Control Using Industrial and Agricultural ...	2017
Air, Gas, and Water Pollution Control Using Industrial and Agricultural Solid Wastes Adsorbents AM Yeneneh, TK Sen, M Thanabalan, H Eugene Taylor & Francis Group	2017
Effect of primary sludge to waste activated sludge mixing ratio on anaerobic digester performance Yeneneh, A Mesfin, TK Sen, A Kayaalp, HM Ang Desalination and Water Treatment 71, 79-84	2017
Studies on Rheological Characteristic of Wastewater Treatment Plant (WWTP) Sludge and Process Optimization EEJ Hong Curtin University	2017
Review on rheological studies of sludge from different sections of municipal wastewater treatment plants for improved process performance.	2016

- AM Yeneneh, E Hong, TK Sen, HM Ang, A Kayaalp
American Institute of Chemical Engineers (AIChE) 2016 annual meeting San ...
- Application of adaptive neuro-fuzzy logic inference system (ANFIS) for the enhancement of dewatering performance and polymer dose optimization.** 2016
Anteneh Mesfin Yeneneh, Eugene Hong, Tushar Kanti Sen, Ha Ming Ang, Ahmet ...
5TH INTERNATIONAL CONFERENCE ON INDUSTRIAL AND HAZARDOUS WASTE MANAGEMENT
- Impact of Ultrasonic, Microwave and Combined microwave-ultrasonic Pretreatment on Rheology biodegradability, Particle size distribution and Dewaterability of digested Sludge** 2015
AK Anteneh Mesfin Yeneneh, Emmanuel Obanijesu, Eugene Hong, Tushar Kanti ...
8th Korean-Australian Rheology Conference, 5 - 7 November 2015, Seoul, South ...
- Microwave Irradiation Technique for Wax Treatment along Heavy Oil Transmission Pipelines** 2015
AMY Ang, N.C.,Obanijesu, E.O.
Asia Pacific Confederation of Chemical Engineering, Melbourne, Australia, 27 ...
- Rheological Dynamics of Mixed Digester Feed Sludge** 2015
MK • Hong, Eugene, Anteneh Mesfin Yeneneh, Tushar Kanti Sen, Ha Ming Ang ...
APCCChE & Chemeca 2015, Melbourne Australia
- Rheological characteristics of digested sludge: impacts of polymer dose, temperature and total solid concentration** 2015
Anteneh Mesfin Yeneneh, Eugene Hong, Tushar Kanti Sen, Ha Ming Ang, Ahmet ...
YWP BENELUX 2015 – 4th regional conference, Leeuwarden, Netherlands
- Optimization of Anaerobic Digester Performance Using Adaptive Fuzzy Logic Inference System (ANFIS): A Case Study** 2015
AM Yeneneh, T Sen, M Ang, A Kayaalp
Physical, Chemical and Biological Treatment Processes for Water and ...
- Application of adaptive fuzzy network inference system for anaerobic digester optimization** 2014
AM Yeneneh, TK Sen, HM Ang, A Kayaalp
Chemeca 2014 - Processing Excellence; Powering Our Future, Perth, Western ...
- Rheological Properties of Pre-treated Wastewater Treatment Plant Sludge** 2014
AM Yeneneh, T Sen, HM Ang, A Kayaalp, NM Kayaalp
Proceedings of the 6th Pacific Rim Conference on Rheology, 134-134
- Study on effect of combined microwave-ultrasonic pretreatment on anaerobic digestion of Thickened excess activated sludge** 2013
AM Yeneneh, T Sen, S Chong, HM Ang, A Kayaalp
Challenging tomorrow, CHEMECA, Brisbane, Australia
- Characterization of ultrasonic and microwave pretreated municipal mixed sludge and its anaerobic biodegradability** 2012
AM Yeneneh, S Chong, T Sen, HM Ang, A Kayaalp
the 4th IWA Asia-Pacific young water professionals Conference, Tokyo, Japan.
- Biosorption of heavy metals by tartaric acid and oxalic acid modified lignocellulosic waste** 2012
AM Yeneneh, M Thanabalan, U Demerdash
International conference on Process Engineering and advanced Materials ...