

Name: Meriem BOUTERAA

Rank: Maitre de Conference B

Department: Preparatory class in science and technology

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Educational Profile:

- Doctorat in Process Engineering, University Constantine 3, Algeria
- Master in science and technology, environmental engineering option ,University Constantine 3, Algeria
- License in science and technology, University Constantine 3, Algeria

Honors and Distinctions

- ✓ *I participated in 4 days of the national conference of the best project available in the domain of resources in the water 'innovation in the service of the water' 2023 'AGIR ana ANVREDET' , I got **second** place out of 50 participants*
- ✓ *Our research group participates in 3 days of the national conference of the best project available in the domain of resources in the water 'innovation in the service of the water' 2022 , we got **first** place .*

List of Current Research Projects

List of Journal Publications

1. M Bouteraa, A Panico, R Zamouche-Zerdazi, M Bencheikh-Lehocine, K Derbal, G Crispino, C Gisonni, A Ferraro, F Pirozzi, 2023, Moving bed biofilm reactor combined with an activated carbon filter for biological nitrate removal, International Journal of Chemical Reactor Engineering Vol : 21 ,Page : 1241-1253, ISSN: 1542-6580
2. M Bouteraa, R Zamouche-Zerdazi, M Bahita, M Bencheikh-lehocine,2022, Experimental study and modeling of denitrification in an MBBR reactor, International Journal of Chemical Reactor Engineering Vol : 21 ,Page : 577-589, ISSN: 1542-6580

3. M Bouteraa, R Zamouche-Zerdazi, MB Lehocine, AH Meniai,2021, Investigation of hydrodynamic behavior of the moving bed biofilm reactor packed with Kaldnes K1 Algerian Journal of Environmental Science and Technology , Vol :7 , ISSN :2437-1114
4. R Zamouche-Zerdazi, M Bouteraa, S Hallel, M E A Bouhamla, M Bencheikh Lehocine, A H Meniai,2021, Impact of clear waters parasites on the biological wastewater treatment, Desalination and Water Treatment 213, 106-116, Vol :2013 ,Page : 106-116, ISSN: 1944-3986
5. O Achouri, A Panico, M Bencheikh-Lehocine, K Derbal, DArias, F Iasimone, R Padulano, M Bouteraa, A Rebahi, F Pirozzi,2021, Role of H₂O₂ dosage on methane production from tannery wastewater: experimental and kinetic study, Journal of Water Process Engineering , Vol :43,Page : 102-313, ISSN: 2214-7144
6. M Bouteraa, A Panico, M Bencheikh-Lehocine, K Derbal, F Pirozzi, 2017 ,Biological denitrification of nitrate contaminated groundwater with moving bed biofilm reactor, Algerian Journal of Environmental Science and Technology ,Vol :3 , ISSN :2437-1114
7. R.Zerdazi , M.Bouteraa , A.Melizi , M .Bencheikh lehocine , A- H. Meniai.2012, Application of respirometry in the assessment of chromium contaminated waste waters treatment, Energy Procedia , Vol :18 , Pge : 438 – 448, ISSN: 1542-6580, ISSN: 1876-6102
8. R Zerdazi , M Bouteraa, A Melizi, M Bencheikh Lehocine,, A H Meniai. 2012. Use of Continuous Aeration Respirometry Method for the Prediction of Slightly Saline Waste Water Biodegradation, Energie Procédia , ISSN: 1876-6102

National Publication

1. M Bouteraa, R Zamouche-Zerdazi, M Bencheikh Lehocine, A Hassen Meniai,2021, Investigation of hydrodynamic behavior of the moving bed biofilm reactor packed with kldnes K1, Algerian Journal of Environnemental Science and Technology.
2. M Bencheikh Lehocine, R Zamouche-Zerdazi, O Achouri , M Bouteraa , A HMeniai , 2021, The best process from energy recovery of the Waste Kitchen university restaurants, *Algerian Journal of Engineering & Research.*

List of Conference Papers

1. M Bouteraa, R Zamouche-Zerdazi, M Bencheikh Lehocine, A Hassen Meniai, The Hybrid 9th Jordan International Chemical Engineering Conference JICECO9, Octobre 2021, Amman –Jordan.
2. M Bouteraa, R Zamouche-Zerdazi, M Bencheikh Lehocine, Le IV^{ème} colloque international ‘Eau et Climat, Nord-Sud ‘« Effet du rapport S/X et du pH lors de l’enlèvement de nitrate dans les eaux usées ». Constantine, Algérie.
3. M Bouteraa, R Zamouche-Zerdazi, M Bencheikh Lehocine, A Hassen Meniai, The 10th international renewable energy congress ‘IREC 2019’, March 2019. Sousse- Tunisia.
4. M Bouteraa, R Zamouche-Zerdazi, M Bencheikh Lehocine, A Hassen Meniai, International Conference on Sustainable Water Treatment Technologies and Environment, October 2019, UDES, Bou Ismail Tipazza, Algeria.
5. M Bouteraa, R Zamouche-Zerdazi, M Bencheikh Lehocine, International Conference on waste treatment and valorization ICWTV2019, “HYDRODYNAMIC BEHAVIOR STUDY OF MBBR”, November 2019, Constantine, Algeria
6. Participation à l’atelier : Conception de logo, affiche, dessin, brochure, emballage ; Thème : affiche recyclage déchets de cuisine, Avril 2018 . Université Salah Boubnider de Constantine 3, Algérie.
7. Participation à La 4^{ème} journée des jeunes chercheurs, présentation d’une communication orales, Mai 2017, Université Salah Boubnider de Constantine 3, Algérie.
8. M Bouteraa, R Zamouche-Zerdazi, M Bencheikh Lehocine, A Hassen Meniai, The seventh international renewable energy congress ‘IREC 2016’“Effect of oxygen and temperature on biological denitrification”. March 2016. Hammamet- Tunisia.
9. M Bouteraa, R Zamouche-Zerdazi, M Bencheikh Lehocine, Third International Conference on Energy, Materials, Applied Energetics and Pollution. ICEMAEP 2016. October 2016, Constantine, Algeria.
10. M Bouteraa, R Zamouche-Zerdazi, M Bencheikh Lehocine, La 4^{ème} Conference International des Energies Renouvelable ‘CIER2016’ . December 2016, Hammamet- Tunisia.
11. M Bouteraa, R Zamouche-Zerdazi, M Bencheikh Lehocine , Participation à La 3^{ème} journée des jeunes chercheurs, présentation d’une

communication poster, Mai 2016, Université Salah Bounider de Constantine 3, Algérie.

12. M Bouteraa, R Zamouche-Zerdazi, M Bencheikh Lehocine , Participation à La conférence nationale sur la science et la technologie de l'environnement « CNSTE », 2015, université de Skikda, Algérie.
13. M Bouteraa, R Zamouche-Zerdazi, M Bencheikh Lehocine , Participation à La 1^{ère} journée de l'hygiène et de la sécurité au sein des laboratoires (JHS), Mai 2014, Université Salah Bounider de Constantine 3,Algérie