

- optimization using factorial design*. The Egyptian Journal of Aquatic Research, 2018. **44**(3): p. 179-186, ISSN:1687-4285.
<https://doi.org/10.1016/j.ejar.2018.09.001>
- [15] Sabre, W., Mohammed, S.A., and Ali, A.H., *Effect of Operating Parameters on Degradation of Eriochrome black T Dye*. Engineering and Technology Journal, 2019. **37**(1C): p. 163-167.
<https://doi.org/10.30684/etj.37.1C.26>
- [16] Najjar, M., et al., *Green chemical approach for the synthesis of SnO₂ nanoparticles and its application in photocatalytic degradation of Eriochrome Black T dye*. Optik, 2021. **242**: p. 167152, ISSN:0030-4026.
<https://doi.org/10.1016/j.ijleo.2021.167152>
- [17] Sumadevi, K.R., et al., *Photocatalytic degradation of Eriochrome black-T and Evan's blue dyes under the visible light using PVA capped and uncapped Ag doped ZnS nanoparticles*. Emergent Materials, 2021. **4**(2): p. 447-456, ISSN:2522-574X.
<https://doi.org/10.1007/s42247-020-00153-7>
- [18] Kansal, S.K., et al., *Photocatalytic degradation of Eriochrome Black T dye using well-crystalline anatase TiO₂ nanoparticles*. Journal of Alloys and Compounds, 2013. **581**: p. 392-397, ISSN:0925-8388.
<https://doi.org/10.1016/j.jallcom.2013.07.069>
- [19] Zhu, J. and Jiang, Z., *Electrochemical Photocatalytic Degradation of Eriochrome Black T Dye Using Synthesized TiO₂@ CNTs Nanofibers*. Int. J. Electrochem. Sci, 2021. **16**: p. 210318.
<https://doi.org/10.20964/2021.03.55>
- [20] Kaur, J., et al., *Spherical MoO₃ Nanoparticles for Photocatalytic Removal of Eriochrome Black T*. ACS Applied Nano Materials, 2021. **4**(11): p. 12766-12778.
<https://doi.org/10.1021/acsnm.1c03433>
- [21] Lee, K.M., Abdul Hamid, S.B., and Lai, C.W., *Multivariate analysis of photocatalytic-mineralization of Eriochrome Black T dye using ZnO catalyst and UV irradiation*. Materials Science in Semiconductor Processing, 2015. **39**: p. 40-48, ISSN:1369-8001.
<https://doi.org/10.1016/j.mssp.2015.03.056>
- [22] Grassi, P., et al., *Water treatment plant sludge as iron source to catalyze a heterogeneous photo-Fenton reaction*. Environmental Technology & Innovation, 2020. **17**: p. 100544, ISSN:2352-1864.
<https://doi.org/10.1016/j.eti.2019.100544>
- [23] Box, G.E. and Hunter, J.S., *Multi-factor experimental designs for exploring response surfaces*. The Annals of Mathematical Statistics, 1957: p. 195-241, ISSN:0003-4851.
<https://doi.org/10.1214/aoms/1177707047>
- [24] Mayam, *Mayam organic & pure cosmetic ingredients*, <http://www.mayam.eu>, 2021.
- [25] Atomi, A.I., et al., *Experimental study on TiO₂ promoted photo-degradation of methylene blue*. Bulletin of Romanian Chemical Engineering Society, 2018. **5**(1): p. 68-74, ISSN:2360-4697.
- [26] Nechita, M.T., et al., *Differential evolution-based optimization of corn stalks black liquor decolorization using active carbon and TiO₂/UV*. Scientific Reports, 2021. **11**(1): p. 1-12, ISSN:2045-2322.
<https://doi.org/10.1038/s41598-021-98006-8>
- [27] Feoktistov, V., *Differential evolution: in search of solutions*. 2006, Berlin: Springer.
- [28] Van Thieu, N. *The state-of-the-art MEta-heuristics ALgorithms in PYthon (MEALPY)*. 2021 [cited 2021 08.02.2021]; Available from: <https://pypi.org/project/mealpy/>