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Educations:

MSc degree from Metallurgical and Materials Engineering Department / University of Karabük, Turkey in 2021

BSc. degree from Production Engineering and Metallurgy Department / University of Technology, Iraq in 2011.

Current research interests

material engineering

nanotechnology

solar cell technology

Publications:

- Performance evaluation of solar photovoltaic/thermal system performance: An experimental and artificial neural network approach, Kazem, H.A., Chaichan, M.T., Abd, H.S., ... Mohd, I.I., Khadom, A.A., Case Studies in Thermal Engineering, 2024, 61, 104860
- Modified Nano-Fe₂O₃-Paraffin Wax for Efficient Photovoltaic/Thermal System in Severe Weather Conditions Chaichan, M.T., Mahdi, M.T., Kazem, H.A., ... Kadhum, A.A.H., Takriff, M.S., Sustainability (Switzerland), 2022, 14(19), 12015
Thermophysical characteristic of nano-TiO₂ paraffin wax composite material, Mahdi, M.T., Kara, I.H., Journal of Mechanical Engineering Research and Developments, 2021, 44(6), pp. 48–58
- N-(3-nitrobenzylidene)-2-aminobenzothiazole as new locally available corrosion inhibitor for iraqi oil industry, Sheet, E.A.E., Yamin, J.A.A., Al-Salihi, H.A., ... Mahdi, M.T., Al-Amiery, A.A., Journal of the Balkan Tribological Association, 2020, 26(2), pp. 194–203