

## Materials Engineering Faculty Publications

Publication Year	Research Title	KFU Author	Journal Name
2021	Synthesis and Characterization of Silver–Strontium (Ag-Sr)-Doped Mesoporous Bioactive Glass Nanoparticles	Akbar Niaz	GELS
2020	Corrosion and passive film study of cermet-coatings deposited by high-velocity oxygen fuel method in an acidic environment	Akbar Niaz	IJSE
2018	Influence of Ageing time and Stress on Corrosion behavior of AA2024-T6 in saturated NaCl Solution	Akbar Niaz	JST
	Laboratory Evaluation of Biobased Epoxy Asphalt Binder (BEAB) for Asphalt Pavement	Abdulrahman Al Fuhaid	ASCE's Journal of Materials in Civil Engineering
	Assessment of the Predictive Capabilities of Existing Models for Physical Properties of Pure Ionic Liquids	Abdulaziz Esinawi	Journal of Molecular Liquids
	Understanding the heat capacity enhancement in ionic liquid-based nanofluids (ionanofluids)	Abdulaziz Esinawi	Journal of Molecular Liquids
	A new insight into pure and water-saturated quaternary phosphoniumbased carboxylate ionic liquids: Density, heat capacity, ionic conductivity, thermogravimetric analysis, thermal conductivity and viscosity	Abdulaziz Esinawi	J. Chem. Thermodynamics
	Further development of the predictive models for physical properties of pure ionic liquids: Thermal conductivity and heat capacity	Abdulaziz Esinawi	J. Chem. Thermodynamics
	Thermal Conductivity Enhancement Phenomena in Ionic Liquid-Based Nanofluids (Ionanofluids)	Abdulaziz Esinawi	Aust. J. Chem
2016	Production of Hydrogen from Poly Ethylene Terephthalate (PET)	Abdulaziz Esinawi	Engineering, Technology & Applied Science Research Vol. 6
	Comprehensive Pitting Study of High Velocity Oxygen Fuel Inconel 625 Coating by Using Electrochemical Testing Technique	Akbar Niaz	Materials Engineering and Performance
2015	Electrochemical corrosion testing and characterization of potential assisted passive layer on HVOF Inconel 625 coating	Akbar Niaz	Corrosion Reviews