Indian Journal of Engineering & Materials Sciences

http://www.niscair.res.in; http://nopr.niscair.res.in; Impact Factor: 0.881 (JCR 2020)

AUGUST 2021 NUMBER 4 VOLUME 28 ISSN: 0971-4588 (Print); 0975-1017 (Online) CODEN: IEMSEW 28(4) 311-426 CONTENTS **Review Article** Assessment of geotechnical properties of lunar soil simulant's for lunar missions 317 Prabu Thannasi, Kasinathan Muthukkumaran & Venugopal Indaram 330 Additive manufacturing: The significant role in biomedical and aerospace applications Meena Pant, Pritam Pidge, Harish Kumar, Leeladhar Nagdeve & Girija Moona Research Article 343 Designed and fabricated a low-cost E-Spun experimental tool for polymer processing Chetan Chavan, Rajashekhar Fakeerappa Bhajantri, Soumya Siddalingappa Bulla & Kathiresan Sakthipandi Ground granulated blast furnace slag based geopolymer mortar activated with low concentration alkali 350 Ashita Singh, Sudhir Singh Bhadauria, Manish Mudgal & Avanish Kumar Srivastava Parametric optimization of yield percent of chitosan extracted from fish scale (Labeo rohita) through central composite design 358 approach Deepshikha Datta, Sumit Mahto & Bimal Das Kinetics, absorption and diffusion mechanism of crosslinked Chitosan Hydrogels 374 Sakshi Nangia, Deeksha Katyal & Sudhir Warkar Optimization of process parameters of TIG welding of duplex stainless steel without filler rod by grey-Taguchi method 385 Sandip Mondal, Pradip Kumar Pal & Goutam Nandi Effects of iron powder on properties of geopolymers subjected to different curing regimes 393 Nihan Gulmez & Niyazi Ugur Kockal 409 Accurate localization technique for stamping sheet metal parts with complex surfaces Emre Esener 420

Power system stability investigation through smart control of micro grid and GUPFC

Abinash Singh & Balwinder Singh Surjan