The role of calcinated sea shell particles on friction-wear behavior of electroless NiP coating: fabrication and characterization MS Jagatheeshwaran, A Elayaperumal, S Arulvel Surface and Coatings Technology 304, 492-501	<u>17</u> 2016
Wear characteristics of electroless NiP/bio-composite coatings on En8 steel MS Jagatheeshwaran, A Elayaperumal, S Arulvel Journal of Manufacturing Processes 20, 206-214	<u>17</u> 2015
Friction and wear measurements of friction stir processed aluminium alloy 6082/CaCO3 composite M Sivanesh Prabhu, A Elayaperumal, S Arulvel, RF Issac Measurement 142, 10-20	<u>16</u> 2019
Electroless nickel—phosphorus coating on crab shell particles and its characterization S Arulvel, A Elayaperumal, MS Jagatheeshwaran Journal of Solid State Chemistry 248, 87-95	<u>15</u> 2017
Controlling adhesive wear failure of nickel-phosphorus coating at high load condition using crab shell particle as reinforcement S Arulvel, A Elayaperumal, MS Jagatheeshwaran Engineering Failure Analysis 90, 310-323	<u>13</u> 2018
Discussion on the feasibility of using proteinized/deproteinized crab shell particles for coating applications: synthesis and characterization S Arulvel, A Elayaperumal, MS Jagatheeshwaran Journal of Environmental Chemical Engineering 4 (4), 3891-3899	<u>12</u> 2016
Impact of nano zinc oxide on the friction—Wear property of electroless nickel- phosphorus sea shell composite coatings MS Jagatheeshwaran, A Elayaperumal, S Arulvel Materials Science and Engineering: B 225, 160-172	<u>7</u> 2017
Comparative study on the friction-wear property of As-plated, Nd-YAG laser treated, and heat treated electroless Nickel-Phosphorus/Crab shell particle composite coatings on S Arulvel, A Elayaperumal, MS Jagatheeshwaran Surface and Coatings Technology 357, 543-558	<u>6</u> 2019
Friction-wear behavior of shot peened aluminium 7075-T651 alloy M. Abeens, R. Muruganatham, S. Arulvel Indian Journal of Engineering & Materials Sciences 26, 20 - 26	<u>4*</u> 2019
Partial dissolution of precipitated-calcium carbonate (P-CaCO3) in electroless Nickel-phosphorus (Ni-P) coating and its surface characterization A Premkumar, A Elayaperumal, S Arulvel, MS Jagatheeshwaran Materials Research Express 6 (6), 066409	<u>3</u> 2019
A review on the steels, alloys/high entropy alloys, composites and coatings used in high temperature wear applications VM Gopinath, S Arulvel Materials Today: Proceedings	<u>1</u> 2020
Significance of tribolayer on the friction and wear resistance of FSPed AA6082/SiCp composite at various load conditions M Sivanesh Prabhu, A Elayaperumal, S Arulvel, M Wasim Khan Surface Topography: Metrology and Properties	<u>1*</u> 2020

Development of multi-pass processed AA6082/SiCp surface composite using		
friction stir processing and its mechanical and tribology characterization	1	2020
M Sivanesh Prabhu, A Elayaperumal, S Arulvel	1	2020
Surface and Coatings Technology, 125900		
Calcium hexaboride reinforced Nickel-Phosphorus composite coating for increasing		
the wear properties of low carbon steel		2020
A Premkumar, A Elayaperumal, S Arulvel, MS Jagatheeshwaran,		2020
Materials Today: Proceedings		
Numerical study of titanium oxide nanoparticle enhanced energy storage material in		
<u>solar desalination</u>		2020
DDW Rufuss, S Arulvel, S Iniyan, L Suganthi		2020
Materials Today: Proceedings		
Optimization of electroless bath process parameter for improving the tribology		
behavior of Ni-P/CaBr2 composite coating against the hardened EN-31 steel		2020
A Premkumar, A Elayaperumal, S Arulvel, MS Jagatheeshwaran,		2020
Surface Topography: Metrology and Properties		
Enhancement of the hardness and wear-resistance of aluminum-silicon alloy using		
atmospheric plasma-sprayed ZrO 2, Al 2 O 3-ZrO 2 multilayer, and Al 2 O 3/ZrO 2		
composite coatings		2020
S Mohamed Abbas, A Elayaperumal, S Arulvel		
Surface Topography: Metrology and Properties		
Structural and Mechanical Design of Solar Tracking System		
UO D. Billy, J. Paulmar Pushparaj, M. Vetrivel Sezhian, S. Arulvel		2019
International Journal of Engineering and Advanced Technology (IJEAT) 8 (6S3		
CFD Analysis of Automobile Rear Dynamic Spoiler		
MS Sivanesh Prabhu. M, Arulvel. S		2017
International Journal of Scientific & Engineering Research 8 (8), 1431-1435		