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| <b>Oxidation and Corrosion Resistance of Nanocrystalline Copper Deposit Produced by Pulse Electrodeposition</b> |      |
| M. Saremi and M. Abouie                                                                                         | 1519 |
| <b>Method, Technology and Equipment for in Depth Surface Hardening</b>                                          |      |
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| <b>Surface Modification of Polystyrene Beads by UV/Ozone Treatment</b>                                          |      |
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## **8. COMPUTER AIDED ENGINEERING**

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| <b>Effects of Powder Synthesis Method on the Sinterability of Hydroxyapatite</b>                                                       |      |
| K.L. Aw, R. Tolouei, R. Singh, C.Y. Tan, W.H. Yeo, H. Kelvin, I. Sopyan and W.D. Teng                                                  | 1538 |
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| <b>Computer Aided Process Planning for Machining the Gears</b>                                                                         |      |
| D. Byotra and R.K. Bhushan                                                                                                             | 1551 |
| <b>Modeling, Analysis and Fatigue Life Prediction of Lower Suspension Arm</b>                                                          |      |
| M.M. Rahman, M.M. Noor, K. Kadirgama, M.A. Maleque and R.A. Bakar                                                                      | 1557 |
| <b>Feasibility Study of CAD and CAM Technology in Garments Industries of Bangladesh</b>                                                |      |
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| S. Abdullah, N.B. Ismail, M.Z. Nuawi, C.K.E. Nizwan and M.F. Abdullah                                                                  | 1592 |
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| <b>A Quality Steps for a Sustainable Development: Case of Food Processing</b><br>F. Yamina, B. Nouredine and M. Djebabra                                                                                                                  | 1672 |
| <b>Reverse Engineering of Motorcycle Chain</b><br>M.A. Maleque, M.M. Rahman and M.S. Hossain                                                                                                                                              | 1678 |
| <b>Determination of Arsenic (III) and Arsenic (V) Species by Preconcentration and Inductively Coupled Plasma Mass Spectrometry (ICP-MS) in Drinking Water Samples Analysis</b><br>M.M. Rahman, A. Mohd Yusof, A.K.H. Wood and A. Shamsiah | 1684 |
| <b>Speciation of Mercury in Environmental Water Samples with Seasonal Change</b><br>M.M. Rahman and A. Mohd Yusof                                                                                                                         | 1690 |
| <b>Environmental Diagnostic for a Sustainable Development</b><br>A. Money and B. Nouredine                                                                                                                                                | 1696 |
| <b>A Fundamental Study of Vibration Assisted Machining</b><br>A. Abdur-Rasheed                                                                                                                                                            | 1702 |
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| <b>Mechanical Assessment of Dissimilar Diffusion Joints of CP-Ti to Stainless Steel</b><br>M.R. Soltan Mohammadi and S.F. Kashani-Bozorg                                                            | 1737 |
| <b>Behavior of Mortarless Wall Subjected to In-Plane Combine Loading</b><br>N.A. Safiee, M.S. Jaafar and J. Noorzaee                                                                                | 1746 |
| <b>Bistable Characteristics of Liquid Crystal Devices with Patterned Alignment Films</b><br>J. Bin Lias, M. Kimura and T. Akahane                                                                   | 1752 |
| <b>Resource Allocation, Batching and Dispatching in a Stochastic Flexible Job Shop</b><br>U.M. Al-Turki, S. Arifusalam, M. El-Seliaman and M. Khan                                                  | 1758 |
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| <b>A Study on Cooling Characteristics of Thermoelectric Cooling System Using Thermoelectric Materials</b><br>H.D. Yang, H.S. Yoon and Y.K. Oh                                                       | 1770 |

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