

Contents

SPECIAL ISSUE: SOCIO-ECONOMIC AND TECHNOLOGICAL APPROACHES TOWARDS ENVIRONMENTAL MANAGEMENT

Guest Editors: Dr. B. Deepanraj and Dr. R. Sivashankar

- 155 **Editorial**
B. Deepanraj and R. Sivashankar
- 157 **Identification of earthworm for sustainable agriculture – a review**
J. Adeline Sneha, Nor Hisham Haji Khamis and Rekha Chakravarthi
- 166 **Liver cancer detection based on various sustainable segmentation
techniques for CT images**
Reshma Jose and Shanty Chacko
- 180 **An *in-silico* approach for the identification of potential anticancer
phytochemicals from *Simarouba glauca* against the human epidermal
growth factor receptor 2 protein**
S.S. Gayathri, Shahanas Naisam and Nidhin Sreekumar
- 193 **Investigation on elevation of sloshing liquid in the square tank under
excitation using CFD and RSM**
Thirunavukkarasu Bageerathan and Thundil Karuppa Raj Rajagopal
- 210 **Development of bacteriocins from dairy wastes**
Harikrishnan Hariharan, V.B. Jyothy and Steffy P. Vinson
- 218 **Optical design of integrated line and point focus solar collector for process
heat generation**
Gunjan Kumar and Hemant Gupta
- 233 **Peptides: antimicrobial properties and applications**
Shahanas Naisam, Viji Selvaraj and Nidhin Sreekumar