



Contents

Life Science

Mirza Asadul Kibriya, Sanjoy Saha, Mohammad Raqibul Hasan Siddique and Mahmood Hossain 1-8

Nutrient dynamics in soil associated with leaf litter of *Shorea robusta* Gaertn. f. in Madhupur Sal Forest of Bangladesh

S.M. Rubaiot Abdullah, Mahmood Hossain, Basubi Binti Zhilik, Tanjit Rubaiat, Mohammad Raqibul Hasan Siddique and Sanjoy Saha 9-17

Effect of salt stress on chlorophyll and proline accumulation in leaves of *Heritiera fomes* Buch.-Ham. and *Xylocarpus moluccensis* (Lam.) M. Roem. seedlings regulating its survival and growth

Md. Sajjad Hossain Tuhin and Md. Sharif Hasan Limon 19-32

A checklist of butterflies (Lepidoptera: Rhopalocera) of Khulna district, Bangladesh

Manabika Sheel, S. M. Abdullah Al Mamun and Md. Monirul Islam 33-40

Evaluation of soilless strawberry (*Fragaria ananassa* Duch.) cultivation using alternative growing devices

Environmental Science

Khandoker Qudrata Kibria, Md. Atikul Islam, Mohammad Zaber Hossain and Shaikh Motasim Billah 41-46

Calibration of yellow colour spectroscopic method of phosphorus determination for wavelength, working range and time

Engineering & Technology

Ananda Saha and Kazi Saiful Islam 47-60

Assessing the impact of cyclone *SIDR* and *AILA* on the Bangladesh *Sundarbans* and its recovery using remotely sensed imagery

Uzzal Biswas, Md. Maniruzzaman, Biswajit Sana and Kazi Reyadul Hasan 61-73

Removing baseline wander from ECG signal using wavelet transform

Social Science

Sanjoy Kumar Chanda and Md. Hasan Howlader 75-87

Gender inequality in the labor market: A comparative analysis between Bangladesh and the Czech Republic

Kaniz Fatima Mohsin and Tarana Ferdousi 89-102

Role of floating cultivation on rural livelihood practice of coastal Bangladesh

Kaniz Fatima Mohsin and Merajus Salehin Riyad 103-111

Attitude of cigarette smoking in Khulna City Corporation area: does anti-smoking advertisement matter?

Dipika Chandra, Tuhin Roy and Babla Golder 113-124

Factors determining empowerment of aged widow in *Raingamari* village of *Batiaghata* thana in Khulna district of Bangladesh

Muniva Islam and Mohammed Ziaul Haider 125-132

Use of mosquito repellent: A comparative analysis between slum and planned residential areas of Khulna City Corporation in southwest Bangladesh