Table of Contents

- 1. Study of dopamine-diazepam biomolecular complex using IEFPCM model and spectroscopic techniques by Lamthaka Willingson and Th. Gomti Devi 07
- The interconnection of cosmological constant and Rényi entropy in Kalb-Ramond black holes: insights from thermodynamic topology by Bidyut Hazarika, Mozib Bin Awal and Prabwal Phukon
 39
- 3. Long-term trends in extreme precipitation indices over Cachar district of Assam : 1901-2021 by Abhay Bhattarai and Atri Deshamukhya 53
- Unusual Spectral Behaviour of Ethanol Using Simple Xenon Lamp Excitation Source by Raghumani Singh Ningthoujam
- 5. Circular motion in a static and stationary charged anti-de Sitter black hole in f(R) gravity by Heisnam Shanjit Singh 82
- Texture zero neutrino mass matrix in left-right symmetric model: a phenomenological study by Happy Borgohain
- Fourier analysis of firefly pulses at low temperature and under a strong static magnetic field by Angana Goswami, Mridusmita Phukan and Anurup Gohain Barua
 103