



Contents	Page No.
From the desk of the Editor-in-Chief	i
Message from the Teacher-in-Charge	ii
Synthesis of Pyridine Derivatives via Oxidative Aromatization of Hantzsch 1,4Dihydropyridines: An Undergraduate Laboratory Technique	1-9
Aniruddhya Mukherjee, Soumik Paul and Suchandra Chakraborty <i>Department of Chemistry, The Bhawanipur Education Society College, Kolkata, West Bengal</i>	
Plastic Waste Management System Using Super-Critical Water	10-23
Ankit Kumar Gupta and Samir Kr Siddhanta <i>Department of Chemistry, The Bhawanipur Education Society College, Kolkata, West Bengal</i>	
Design and Applications of Superalkali Materials in Advanced Technology	24-31
Manisha Dey <i>Indian Institute of Engineering Science and Technology, Botanical Garden Area, Howrah, West Bengal</i>	
Histone deacetylase (HDAC) inhibitors used for the treatment of cancer	32-38
Sandip Paul and Priya Saha <i>Department of Chemistry, The Bhawanipur Education Society College, Kolkata, West Bengal</i>	
Solar Cell and its Types- A Review	39-51
Sagnik Chakraborty and Sourav Dás <i>1 Department of Chemistry, Scottish Church College, Kolkata, West Bengal</i> <i>2 Department of Chemistry, The Bhawanipur Education Society College, Kolkata, West Bengal</i>	
Down a Nobel Road Uncovering the science behind the Nobel Prize in Physics in 2023	52-56
Aditi A. Sanjay <i>Department of Physics, The Bhawanipur Education Society College, Kolkata, West Bengal</i>	
Number Theory and Cryptography: Enhancing Data Security in the Digital Age	57-69
Koushik Bera <i>Department of Mathematics, The Bhawanipur Education Society College, Kolkata, West Bengal</i>	
Interaction of anti-plane wave with an edge crack in a transversely isotropic strip	70-76
Somashri Karan <i>Department of Mathematics, The Bhawanipur Education Society College, Kolkata, West Bengal</i>	
Emotion Recognition in Texts using Bidirectional Long Short-Term Memory based Neural Networks	77-85
Gungun Sharma, Shama Parween and Akash Mehta <i>1 Department of Computer Science, A.K. Choudhury School of Information Technology, West Bengal</i> <i>2 Department of Computer Science, Arka Jain University, Jamshedpur</i> <i>3 Department of Computer Science, The Bhawanipur Education Society College, Kolkata, West Bengal</i>	
Can Women Empowerment lead to Economic Development? A Critical Review on Existing Literatures	86-90
Anuradha Dutta and Ishani Dey <i>Department of Economics, The Bhawanipur Education Society College, Kolkata, West Bengal</i>	