



Editorial

Recent Advances in Material Chemistry

To keep pace with the ever-changing nature of scientific publication, we are constantly striving for bringing forth research which reflects the worldwide academic standards of quality and significance in the area of materials chemistry. Our goal is to publish work that is innovative and contemporary. Chemistry is incredibly diverse, both in terms of its practitioners and also how the discipline itself is defined and undertaken. This issue of *Mapana- Journal of Sciences* - focusses on issues pertaining to *Chemical Sciences*, specifically on material chemistry.

The first article, *Mixotrophic Growth of Chlorella Sp. using Glycerol for the Production of Biodiesel: A Review* by Sakshi addresses the implications of bio-diesel development and various organic transformations. Shashiprabha, B Shivarama Holla, Vishwanatha P and Nefisath P in the next article, *Synthesis and Characterization of Chalcones and Pyrazolines derived from Substituted Aryl Ether* provide a narrative on developing a methodology of synthesis and characterisation of Chalcones and Pyrazolines derived from substituted Aryl Ethers.

The third article, *Solid Supported Peptide Catalyst for the Synthesis of Flavanone and Azaflavanones* by Raghavendra Sakirolla, Yean Kee Lee and Venkataramana Macharla provides an account of a solid supported peptide catalyst for the synthesis of flavanones and azaflavanones. Srivani reviews multiple interdisciplinary resources for providing a backdrop to understand the consequences of Biofuel production for biodiversity in her article titled, *Biodiversity Consequences of Biofuel Production*.

The final article is authored by Anjali Sharma, Sherin Thomas, Agnes Mary Mathew and Anil K Agarwal. In their article, *Synthesis of Silver Nano-Particles from Natural Products and its Applications*, the authors provide a review that delineates the numerous ways of synthesising silver nanoparticles from natural resources that could provide alternative treatment solutions in the future.

In conclusion, this issue presents various issues in material chemistry which covers research on various organic transformations, biofuel production, silver nanoparticles from natural products and their applications. We would like to thank the authors for their contribution to make this issue a success. Finally, we are thankful to CHRIST (Deemed to be University) for giving an opportunity for exploring the issues in material chemistry to present it to the scientific community.

Krishnaji Tadiparthi

Issue Editor