



Editorial

It is indeed a great pleasure and privilege for me to introduce this issue of Mapana-Journal of Sciences which is dedicated to research articles from chemical sciences. This issue consists of articles pertaining to different areas of chemical sciences.

The first article by Jinsa Mary Jacob and M.R. Prathapachandra Kurup reported synthesis and characterization of Cadmium(II) complexes by the reaction of cadmium(II) acetate with an O,N,S donor thiosemicarbazone and heterocyclic bases like 1,10-phenanthroline, 2,2'-bipyridine as coligands. Manjula A. C *et. al.* explored the antimicrobial properties of *Morus alba* Grown on Silkworm Litter. The antimicrobial properties of aqueous, ethanolic and methanolic leaf extracts were tested against pathogenic bacteria such as E.coli and Pseudomonas and fungi such as Aspergillus niger and Penicillium notatum. The third article on Gene Therapy by Ganesh Sambasivam gives a bird eye view on the status of the new therapy worldwide with special reference to India and Bangalore.

Aatika Nizam *et. al.* have developed a new and efficient multi-component method for the synthesis of pyrazolophthalazinyl spirooxindoles through tandem Knoevenagel cyclisation from isatin, malononitrile and various phthalhydrazides in presence of readily available molecular iodine as a catalyst in ethanol solvent under ultrasonic condition.

Zeena Jayan and N Chandramohanakumar reported the seasonal variability of free and protein bound amino acids (AAs) in the sediments of mangrove ecosystem, west coast of India.

We thank all the authors and reviewers for their cooperation and support in bringing out this issue of Mapana. We look forward to receive your feedback on these articles.

The articles published in *Mapana -Journal of Sciences* are assigned the Digital Object Identifier (DOI) numbers provided by CrossRef. Every article has also been assigned Quick Response (QR) code.

The QR code is embedded with all the key details of the respective articles.

The Journal is available in both printed and electronic versions. The Journal has wide circulation across all the major research centers and universities across the country. Thanks to the authors, reviewers, and the editorial team, the scientific pursuit of *Mapana – Journal of Sciences* sees a phenomenal growth with the publication of each new issue.

Anitha Varghese
Issue Editor