



Editorial

This issue of *Mapana - Journal of Sciences* is devoted to research articles from Physical Sciences. Researchers from various institutions have contributed to the present issue. There are 5 articles, of which three articles are from Materials Science and two articles are from Astrophysics. The first article is on 'Optical properties of silver-vanadium-phosphate glasses', where the author has investigated the role of Ag₂O content on optical band gap, refractive index and polarizability of oxide ion in vanadium-phosphate glasses. The second article deals with the synthesis of polypyrrole/molybdenum trioxide composites (PPy/MoO₃) employing chemical oxidation method and characterization for different applications such as humidity sensor, dielectrics and micro power generator. The third article throws a light on NGC-low Redshift Seyfert galaxies through UV emission line studies. In the fourth article, Baraker and Lobo have studied electrical properties of cadmium chloride doped PVA-PVP blend. Finally in the last article, the use of Scipy integrators like `dopri5` and others in accurately solving the Lane-Emden equation of a polytrope as a two-point BVP with fitting is investigated by comparing the Emden radius with the extended precision reference value obtained by Boyd's Chebyshev spectral method.

All the articles were peer reviewed by experts in the respective fields and accepted for publication after incorporation of the suggestions made by the experts. We thank all the authors for their valuable contributions. We also take this opportunity to thank all the reviewers for spending their precious time in reviewing the articles and giving valuable suggestions. We expect the cooperation and expert guidance of all the researchers for further improvement of the quality of the Journal in the coming years. We have been continually striving to meet the global standards for journal publication.

Shivappa B Gudennavar

Issue Editor

