



Editorial

It is with great pleasure we bring out this issue of *Mapana Journal of Sciences*. This issue on Biological Sciences consists of five articles from different fields. The first article of this issue focusses on the assessment of DNA damage in peripheral blood of tobacco users. The authors analyse the genotoxic effect of chewing tobacco and assess its health risks. The study reports that there is significant DNA damage in the experimental subjects compared to the controls.

The second article analyses the cytotoxicity activity of crude extract produced by marine isolate (MS19) from seawater collected from Bay of Bengal, India. The paper focusses on the innate potential of microbes to produce diverse compounds that attract biological properties such as anticancer, anti-inflammatory, antimicrobial and antioxidant properties. The results revealed the ability of the crude extract to induce marked apoptotic morphology in A549 cells. The third article elucidates the impact of pesticide (Chlorpyrifos) on soil microbial diversity.

The fourth article focusses on the sustainable production of algal biodiesel using *Chlorella Pyrenoidosa*. The paper reports that the extracted oil from *Chlorella Pyrenoidosa* is efficient for biodiesel production. The authors have also shown the presence of major fatty acids viz., Palmitic (42.61%) and Stearic Acids (50.18%) from the samples which could be considered as biodiesel. The paper discusses the microalgae-based biodiesel as a potentially renewable resource for displacement of liquid transport fuels derived from petroleum.

The fifth article of this issue, "Isolation and Characterisation of Alkalophilic Xylanase Producing Bacteria MS-2-1 from Marine Water Sample", presents the significance of Xylanolytic bacteria isolated from the coastal soil sediment samples collected from the Bay of Bengal.

We are glad to present you this issue of *Mapana* with unique information on diverse research studies. We would like to extend our heartfelt thanks to all the authors and reviewers for their

contribution and the readers for their support and constructive criticism. We request your continuous support and coordination and also invite you to publish your original research reports in the various issues of *Mapana*-Journal of Sciences.

Paari KA
Issue Editor