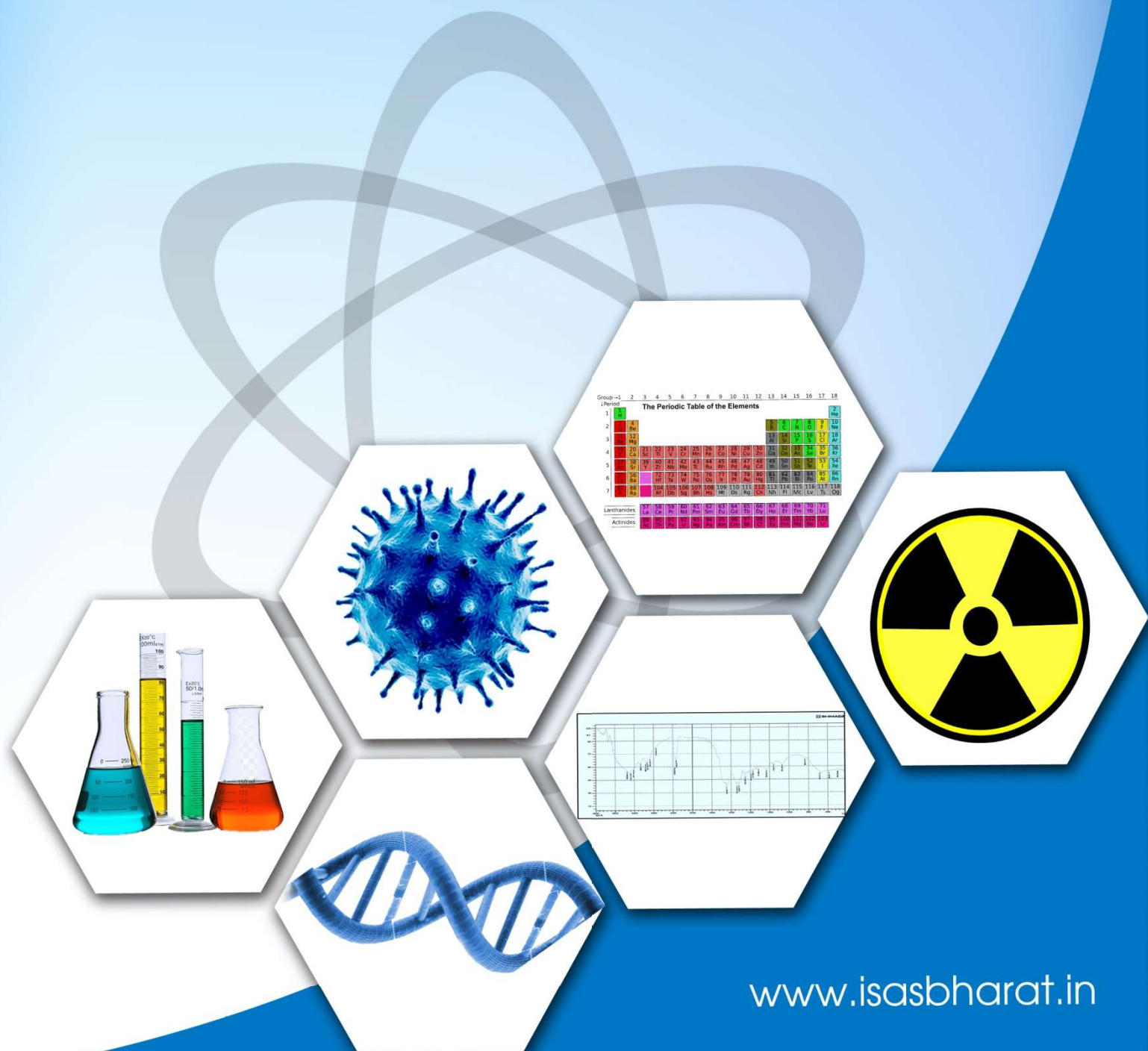




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Indian Society of Analytical Scientists





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- The **title** of the paper should be clear and concise(**font size 14 and bold**), the first letter of each noun and adjective in the title must be in capital letter. It will be followed by names of authors(initials followed by surname) with their affiliation (**font size 12**)
- Corresponding author should be indicated by \* with email ID
- The text should be divided into following sections:
  - **Abstract : up to 300 words**
  - **Key words: 5-6**
  - **Introduction**
  - **Experimental**
  - **Results and Discussion**
  - **Conclusions**
  - **Acknowledgement**
- Figures and Tables should be before references with a caption **Figures:** Followed by **Tables:**
- **References**
  - Divisions within the section should be indicated as subheadings
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Indian Society of Analytical Scientists.

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### **Editorial**

Welcome to the seventh issue of the Journal of Indian Society of Analytical Scientists [J.ISAS,2(3)] which is quarterly open access e-journal with ISSN and Doi number. In this edition, we are pleased to present a diverse array of articles that delve into cutting-edge research and advancements in the field of analytical science. Our aim with this issue is to foster a deeper understanding of analytical methodologies and their applications across various domains.

Nanoparticles play a crucial role in targeted drug delivery, improving treatment efficacy while minimizing adverse effects. They drive advancements in materials science, electronics, and environmental remediation, shaping various fields with their distinctive attributes. The research papers featured in this edition delve into photocatalytic nanoparticle studies, fundamental material transformation under controlled conditions, providing insights into transition metal dichalcogenides' synthesis and structural properties, and a comprehensive review of biogenic nanoparticles. Molecular docking aids in understanding crucial molecular interactions for drug design and development. One of the articles in this issue evaluates the effectiveness of essential oil components against water-borne multi-virulent bacteria and viruses. Through computational modelling, researchers shed light on essential oil constituents' potential antimicrobial properties. Erbium, a rare earth element, finds application in diverse high-tech industries, with its extraction from mineral sources involving intricate processes. The researchers introduce a novel synergistic extraction process for Erbium(III) in their article in this issue. Additionally, a review of a recently published book on aquatic pollution provides further insights into the subject. The articles featured in this issue underscore the dynamic nature of analytical science and its pivotal role in addressing

contemporary challenges across various disciplines. We hope that this issue serves as a catalyst for further exploration and innovation in the field of analytical science.

I extend my heartfelt appreciation to the authors, reviewers, and the editorial team for their dedication and hard work in bringing this issue to fruition. I am sincerely grateful to ISAS president and J.ISAS Advisor, Dr. Raghav Saran, as well as the committed individuals on the editorial board, Dr. Vijayalaxmi Adya, Dr. Vinay Bhandari, and Dr. Sridhar T.M., for their ongoing cooperation. Technical support from Shivani Katak and Vaibhav Parse is highly appreciated.



Dr. Nilima Rajurkar  
Editor in Chief  
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