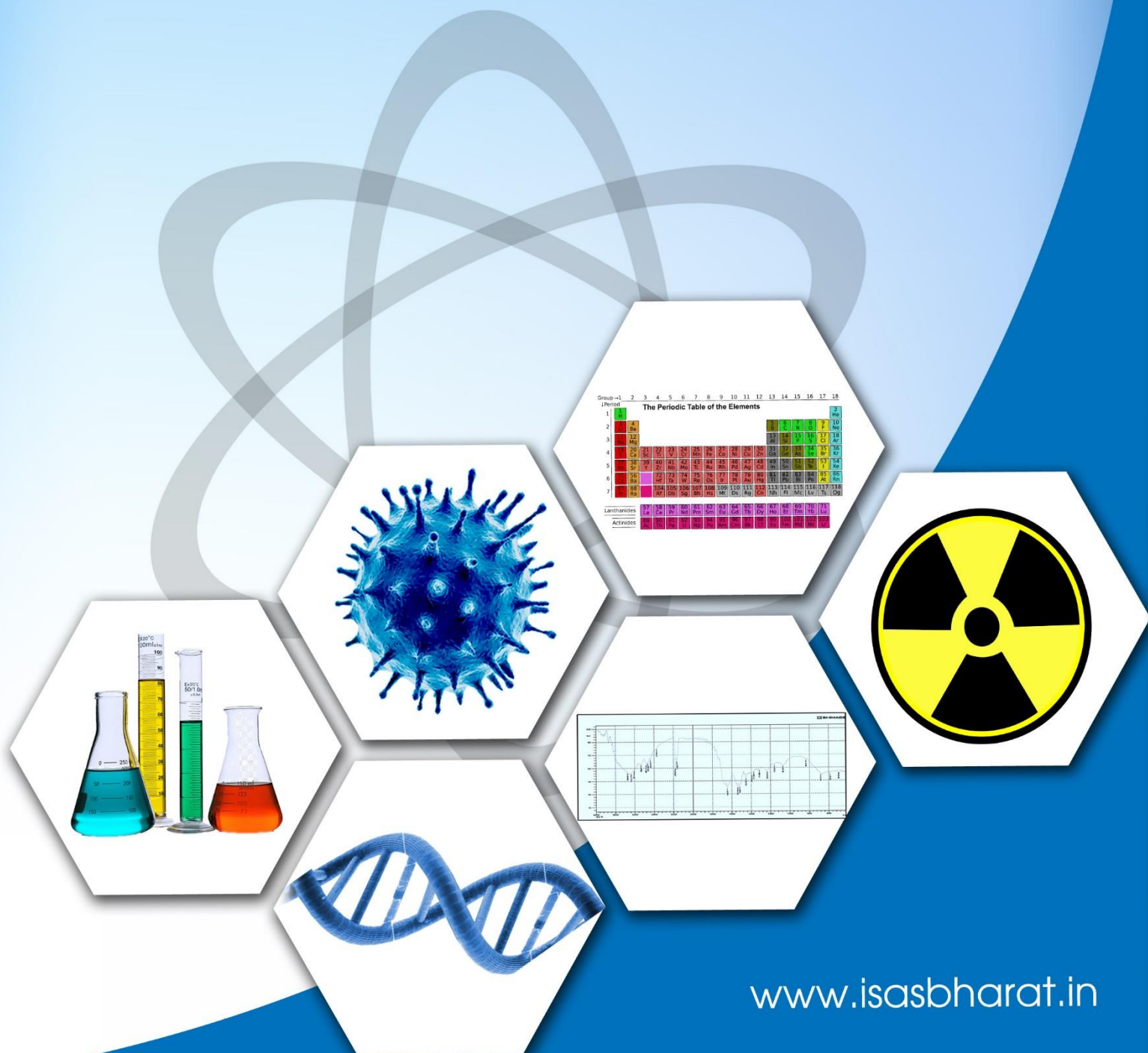




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Indian Society of Analytical Scientists





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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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  - All constants should be expressed in **SI units**
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Indian Society of Analytical Scientists.

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### **Editorial**

Dear Readers,

It is with great pleasure we present the 10<sup>th</sup> issue of the “Journal of the Indian Society of Analytical Scientists (J.ISAS) which is quarterly open access e-journal with ISSN and Doi number having free access to all. This issue features a diverse range of research that highlights the innovative strides in analytical sciences across multiple fields. Each manuscript in this collection exemplifies the society's commitment to advancing scientific understanding through rigorous research and pioneering analytical techniques.

The issue presents ground-breaking research across various applications of analytical science. One study focuses on the environmental remediation of pharmaceutical contaminants, specifically Ciprofloxacin HCl, using a visible-active BiOS photocatalyst under artificial radiation to promote eco-friendly water purification. Another paper investigates the rapid bromination of Isoxazole in a bromide-free aqueous medium, using hydrodynamic voltammetry to provide insights into safer and more efficient chemical processes. Traditional medicine is explored through the synthesis and characterization of Lauha Bhasma, linking ancient Ayurvedic practices with modern scientific analysis to validate its properties. Additionally, a study on the precise determination of trace analytes in nuclear-grade calcium metal, using axially viewed inductively coupled plasma spectrometry, supports quality assurance in high-stakes industries. Collectively, these manuscripts underscore advancements in environmental science, organic chemistry, traditional medicine, and materials purity, showcasing the vital role of analytical science in diverse fields.

Each of these articles represents a significant contribution to the field, expanding our understanding and providing new approaches to pressing scientific and environmental issues. We are grateful to the authors for their dedication and to our reviewers and editors for their invaluable feedback, ensuring the quality and rigor of our publication. I will like to thank Dr. Raghav Saran, Dr. Vijayalaxmi Adya and Dr. Vinay Bhandari for their valuable cooperation during the publication process. Technical assistance from Shivani Kantak and Vaibhav Parse is thankfully acknowledged.

We are confident that the readers will find this issue informative and inspiring. We look forward to your continued engagement and contributions to the journal.

Thank you

Sincerely



Dr. Nilima Rajurkar  
Editor in Chief

J.ISAS

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## Contents

S.No.	Title and Authors	Page no.
1	<b>Research Paper: Photocatalytic Degradation of Ciprofloxacin HCl using Visible Active BiOS Photocatalyst and Artificial radiation</b> G. Patil, N. Bodawar , G. Khotari, P. Mulay , P.Khurpade , S. Kamble* *Email: <a href="mailto:sp.kamble@ncl.res.in">sp.kamble@ncl.res.in</a> <a href="https://doi.org/10.59143/isas.jisas.3.2.BTNT3094">DOI: 10.59143/isas.jisas.3.2.BTNT3094</a>	1-13
2	<b>Research Paper: Quantitative Kinetics of the Rapid Bromination of Isoxazole in Bromide-Free Aqueous Medium using Hydrodynamic Voltammetry</b> Megha Kad, Ranjana Bhadane* *Email ID: <a href="mailto:rpbhadane@yahoo.com">rpbhadane@yahoo.com</a> <a href="https://doi.org/10.59143/isas.jisas.3.2.YFSD8689">DOI:10.59143/isas.jisas.3.2.YFSD8689</a>	14-24
3	<b>Research Paper: Synthesis and Characterization of Lauha Bhasma</b> Vivek Rathod*, Shailesh Kantak and Nilima Rajurkar Email: <a href="mailto:rathod.vivek@live.com">rathod.vivek@live.com</a> <a href="https://doi.org/10.59143/isas.jisas.3.2.TVRT6480">DOI:10.59143/isas.jisas.3.2.TVRT6480</a>	25-41
4	<b>Research Paper: Determination of trace analytes in nuclear grade Calcium Metal Samples by Axially Viewed Inductively Coupled Plasma – Atomic Emission Spectrometric technique</b> Vijayalaxmi C. Adya E-mail: <a href="mailto:vcadya@rediffmail.com">vcadya@rediffmail.com</a> <a href="https://doi.org/10.59143/isas.jisas.3.2.ECSP3398">DOI:10.59143/isas.jisas.3.2.ECSP3398</a>	42-52