

ISSN: 2583-5459

Volume-1 Issue-2

October, 2022

Journal of ISAS

An open access peer reviewed quarterly e-journal by Indian Society of Analytical Scientists





Journal of ISAS

An open access peer reviewed quarterly e-journal published by Indian Society of Analytical Scientists

Published by: Indian Society of Analytical Scientists (ISAS) Address: C/O REDS,BARC, Mumbai 400085

Email: <u>isasjournal@isasbharat.in</u>

President ISAS: Dr. P.P.Chandrachoodan

J.ISAS

Editorial Board

Editor in Chief

Dr. Nilima Rajurkar, Pune

Members

Dr. Vijayalaxmi adya, Mumbai

Dr. A.K.Basu, Pune

Dr. Vinay Bhandari, Pune

Dr. Avinash Bharati, Nagpur

Dr. Anu Gopinath, Kochi

Dr. Ravin Jugade, Nagpur

Dr. Padmaja S. Vadodara

Dr. Pradeep Kumar, Mumbai

Dr. Prakash Samnani, Vadodara

Dr. Sridhar T.M., Chennai

Dr. S.K. Yadav, Vadodara

Advisory Board

Chairman

Dr. Raghaw Saran, Nagpur

Members

Dr. V. Siyanandan Achari, Kochi

Dr. V. Balaram, Hyderabad

Dr. J.Manjanna, Belgavi

Dr. V.R.Nair, Kollam

Dr. Amrit Prakash, Mumbai

Dr. S. Sriman Narayanan, Vellur

Dr. Shivaramu Prasanna, Bengluru

Dr. K.P. Vijayalakshmi, Trivendram

Dr. Mohammed Yusuff K.K., Kochi

Dr. Rajeev Raghawan, Trivandrum

Instruction to Authors

- The Manuscript should be typed in **MS word** (times new roman) with **1.5 spacings** and **font size 12**
- 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
- The figures and tables should be numbered with Roman numerals and must be mentioned in the text at appropriate places
- Standard abbreviations for technical terms and journals should be used
- All constants should be expressed in **SI units**
- References should be numbered consecutively and should appear in the text as superscript at appropriate places.
- References should be in following pattern

For research paper:

Authors' initials and surname, Journal abbreviation, Volume, Page, Year.

For book:

Authors' initials and surname, Book name, Publisher, Place, Year.

For proceedings:

Authors' initials and surname Proceedings' of the conference name, place, Page, Month and Year.

- The paper is to be submitted in word file and PDF file to isasjournal@isasbharat.in
- After getting the acceptance of the paper, authors have to submit signed copyright form and undertaking before publishing the article



Editorial

After an enthusiastic response to inaugural issue of Journal of ISAS, we are bringing out the second issue of our journal with reviews, research articles and short communication. It contains an exhaustive review on applications of nanoparticles in medicine along with other research articles wherein various techniques have been used as an analytical tool to explore research in different fields, at the end a short review on "Nuclear Analytical Techniques" booklet is included. I assure you that "Journal of ISAS" will be always innovative providing a special space for scholarly works representing the integration of all branches of science.

I would like to express my sincere gratitude towards Dr. P.P. Chandrachoodan, President ISAS; Dr. Raghaw Saran, Vice president ISAS and Chairman, Advisory board of Journal of ISAS for their guidance, inspiration and support at each stage of journal progress. I wish to express my special thanks to Editorial board members: Dr. Vijayalaxmi Adya and Dr. Vinay Bhandari for their continuous cooperation. Cooperation from Editorial and Advisory board members and reviewers is gratefully acknowledged. I congratulate all the contributory authors for their articles in this issue. My sincere thanks are due to Kailash Gharat, Shivani Kantak, Vaibhav Parse and Smruti Adya for their technical support.

I invite all ISAS Members from different parts of our country to go through both the volumes and contribute towards forthcoming issues along with their colleagues and students.

Looking forward for your response and articles in future issue.

NSROBUNKON

Dr. Nilima Rajurkar Editor in Chief Journal of ISAS

..

Journal of ISAS

1(2), Pages 1 to 84, (2022)

(An open access Peer reviewed quarterly e- journal by Indian Society of Analytical Scientists)
DOI: 10.59143/isas.jisas.1.2

Contents

| S.No. | Title and Authors | Page no. |
|-------|-------------------------------------------------------------------------|----------|
| 1 | Review: Application of Nanoparticles in Medicine | 1-21 |
| | Maharshi Pandya and Raghaw Saran* | |
| | *Email: <u>saranraghaw@gmail.com</u> | |
| | DOI: 10.59143/isas.jisas.1.2.MVSB9110 | |
| 2 | Review: A Minireview on the Applications of Nanobiosensors Based on | 22-34 |
| | Localized Surface Plasmon Resonance Phenomenon | |
| | Chandrashekhar P. Pandhurnekar*, Himani C. Pandhurnekar and Avinash | |
| | V. Bharati | |
| | *Email: <u>himanipandhurnekar@gmail.com</u> | |
| | DOI: 10.59143/isas.jisas.1.2.ZBBI9491 | |
| 3 | Research Paper: Biosorption of Cs (I): Utilization of an eco-friendly | 35-46 |
| | adsorbent Dry Cowdung Powder | |
| | Roshan P. Khilnani and Hemlata K. Bagla* | |
| | *Email: <u>principal@kccollege.edu.in</u> | |
| | DOI: 10.59143/isas.jisas.1.2.PHKQ5107 | |
| 4 | Research Paper: A Simple and Rapid Spectrophotometric method for the | 47-57 |
| | determination of Iodate in table salt samples using Pyrogallol red dye | |
| | P.S.Kulkarni* | |
| | *Email: psk.agc@mespune.in | |
| | DOI: 10.59143/isas.jisas.1.2.CEPZ9380 | |
| 5 | Short Communication: Determination of Lutecium in Radio- | 58-67 |
| | pharmaceutical Samples using High Resolution ICP-AES Technique | |
| | V.C. Adya*, Arijit Sengupta, Sudipta Chakraborty, K.Vimalnath and S. K. | |
| | Thulasidas | |
| | *Email: vcadya@rediffmail.com | |
| | DOI: 10.59143/isas.jisas.1.2.MMHI7334 | |
| 6 | Research Paper: Assessment of Surface Water Quality by using | 68-82 |
| | Multivariate Statistical Techniques of Various Lakes of | |
| | Kancheepuram District in Tamil Nadu, India. | |
| | M.R. Kuppusamy and T.M. Sridhar* | |
| | *Email: tmsridhar23@gmail.com | |
| | DOI: 10.59143/isas.jisas.1.2.XFPN8570 | |
| 7 | Review of Booklet: A Booklet on 'Nuclear Analytical Techniques' | 83-84 |
| | Raghaw Saran* | |
| | *Email: <u>saranraghaw@gmail.com</u> | |
| | DOI: 10.59143/isas.jisas.1.2.QYDB6588 | |