

**INDIAN ASSOCIATION FOR NUCLEAR CHEMISTS AND ALLIED SCIENTISTS
(IANCAS)
Annual Report
(2024-2025)**

Dear IANCAS members,

I welcome you all in the 45th Annual General Body Meeting of IANCAS. It gives me immense pleasure to present the details of activities of the Association during the period April 1, 2024 to March 31, 2025.

1. Membership

The Association has 2039 life members (LMs) and 19 corporate members as on March 31, 2025. During the last financial year, 67 new life-memberships have been granted.

2. IANCAS Workshops

2.1. 109th National Workshop at the Department of Physics, Government College (Autonomous), Rajamahendravaram, Andhra Pradesh, during February 03-07, 2025

The 109th BRNS-IANCAS National Workshop on “Radiochemistry and Applications of Radioisotopes” was organized at the Department of Physics, Government College (Autonomous), Rajamahendravaram, Andhra Pradesh, during February 03-07, 2025. Dr. P.S. Ramanjaneyulu was the Workshop coordinator and Dr. B. Gowri Naidu, Dept. of Physics, Govt. College, Rajamahendravaram was the local coordinator of the Workshop. There were 85 registered participants in the Workshop including faculty members, research scholars and post graduate students from various Departments of Govt. College and other institutes in Andhra Pradesh, Karnataka, Maharashtra and Delhi.

Dr. P.K. Mohapatra, President, IANCAS and Former Director, RC & IG, BARC inaugurated the Workshop. In his inaugural address, Dr. Mohapatra described about various activities of IANCAS like organizing symposia, Bulletins, National Workshops and awards for researchers/scientists working in nuclear and allied sciences. Dr. Ramanjaneyulu briefly explained the aim of organizing the Workshop. Later in his key note address, Dr. Mohapatra described about programs of Department of Atomic Energy, India emphasizing the application of radiation and radioisotopes in healthcare, food and industry etc.

Dr. Tapas Das, Head, RPhD, BARC attended the valedictory function of the Workshop as the Chief Guest. Dr. Tapas Das and Dr. Ramanjaneyulu responded to the feedbacks, and encouraged the participants to apply radioisotopes in their research work. They appealed the participants to inform the people about the societal benefits of nuclear energy and radioisotopes. On behalf of IANCAS, a G.M. Counter system was donated to the host-institute for their academic use. The workshop was well covered by local media, covering the prominent places in Telugu and English News Papers.

2.2. 110th National Workshop at the Department of Pure and Applied Chemistry, University of Kota, Kota, Rajasthan, during March 03-07, 2025.

The 110th BRNS-IANCAS National Workshop was organized at the Department of Pure and Applied Chemistry, University of Kota, Kota, Rajasthan, during March 03-07, 2025. Dr. Chhavi Agarwal was the coordinator of the Workshop. Dr. Neelu Chouhan, Head, Department of Pure and Applied Chemistry was the local coordinator of the Workshop. There were 87 registered participants in the Workshop including the faculty members, research scholars and post graduate students from various Departments of the University. A member each from Delhi Jal Board and RAPS were also present to enhance their knowledge on the subject.

Dr. Rajesh V. Pai, Head, Fuel Chemistry Division, BARC inaugurated the Workshop. In his inaugural address, Dr. Pai described about various activities of IANCAS like organizing symposia, national Workshops and Awards for researchers/scientists working in nuclear and allied sciences. Later on, he also delivered a Keynote address on the topic “Atomic Energy Program of India in Service of Nation”. Dr. Chhavi Agarwal briefed about the aim of organizing this Workshop. Participants found the lectures and experiments very interesting and had long productive discussions with the resource persons.

The valedictory function was attended by Dr. S. Jeyakumar, Head, RCD, BARC as the Chief Guest. He also made the participants aware of the various career opportunities in BARC and encouraged them to opt for them. A few participants, including students, shared their feedback about the Workshop. Dr. S. Jeyakumar responded to the feedbacks and emphasized the participants to utilize radioisotopes in their research work. On behalf of IANCAS, a G.M. counter system was donated to the host-institute for their academic use. The Workshop was well covered by local media, covering the prominent places in News Papers.

2.3. School / College Workshops

During the year 2024-2025, IANCAS conducted one college Workshop at Institute of Science, Mumbai on 28th February 2025. Dr. Dhanadeep Dutta was the Workshop coordinator. The Workshop was inaugurated by Dr. P. K. Mohapatra, President IANCAS. Graduate and Post-graduate students of physics and chemistry Departments of the Institute participated in the Workshop. Additionally, several local school Workshops were also conducted by the regional chapters of IANCAS.

3. IANCAS Bulletins

During the reported period, IANCAS published **Three** Thematic Bulletins given below.

Volume	Title of the Bulletin	Guest Editor(s)
XX (1)	Remembering Dr. M. V. Ramaniah: A Doyen of Radiochemistry in India	Dr. P. K. Pujari Dr. V. K. Manchanda Dr. R. Acharya
XIX (2)	Design, Development and Applications of Radiopharmaceuticals Part-II	Dr. Tapas Das & Dr. M.B. Mallia
XIX (3)	Societal and Industrial Applications of Nuclear Technologies	Dr. Virendra Kumar & Dr. Sunil Goswami

4. IANCAS Annual Awards

4.1. IANCAS awards for the **Year 2023** were bestowed in the 44th Annual General Meeting held on 7th July 2024. The details of the awardees are as follows:

Dr. M.V. Ramaniah Memorial Award	:	Dr. Asok Goswami, Ex-BARC, Mumbai Former Head, Radiochemistry Division, BARC, Mumbai
Dr. Tarun Datta Memorial Award	:	Dr. Mahesh Sundararajan, Chemistry Division, BARC, Mumbai
		Dr. Manoj Mohapatra Radiochemistry Division, BARC, Mumbai
Prof. H.J. Arnika Best PhD Thesis Award	:	Dr. Ashutosh Srivastava, Radiochemistry Division, BARC, Mumbai

Dr. P. K. Mohapatra, President IANCAS presented the citations and medals to the awardees. Dr. Asok Goswami thanked IANCAS for the honor in his short award acceptance speech. Other awardees also thanked IANCAS for the honor, and presented a gist of their R&D contributions.

5. Annual Reports (2024-25) of IANCAS Regional Chapters

5.1. Activities of the Southern Region Chapter (SRC)

IANCAS-SRC at IGCAR, Kalpakkam conducted 10 “Nuclear and Radiochemistry Workshops” at Schools and Colleges in South India. Following is the Executive Committee of the IANCAS Southern Chapter for 2024-2027.

No.	Name	Post	Affiliation
1.	Dr. K. Sundararajan	President	MC&MFCG, IGACR
2.	Dr. A. S. Suneesh	Secretary	MC&MFCG, IGACR
3.	Dr. N. Desigan	Treasurer	RPG, IGCAR
4.	Dr. G. V. S. Ashok Kumar	Member	MC&MFCG, IGACR
5.	Dr. Jammuravi	Member	RPG, IGCAR
6.	Smt. Susmita Dey	Member	RPG, IGCAR

5.2. Activities of the Northern Region Chapter (NRC)

IANCAS-NRC Conducted a Two days National Workshop on Radiation detection and Measurements at Dept. of Physics, Gurugram University during 10-11 October 2024. Prof. A. C. Pandey, Director IUAC, New Delhi was the chief guest and Dr. Y. K. Bhardwaj, Associate Director RC&IG BARC was the guest of honour for the Workshop. Following is the Executive Committee of the IANCAS NRC for 2024-2027.

No.	Name	Post	Affiliation
1.	Dr. J.S. Gandhi	President	Khalsa College, Amritsar
2.	Dr. M.S. Batra	Vice-President	Khalsa College, Amritsar

3.	Dr. Taminder Singh	Secretary	Khalsa College, Amritsar
4.	Dr. Joga Singh	Joint Secretary	Khalsa College, Amritsar
5.	Dr. Vijay Kumar	Treasurer	Hindu College, Amritsar
6.	Dr. Gursharan Kaur	Member	Khalsa College, Amritsar
7.	Dr. B.S. Bajwa	Member	G.N.D.U., Amritsar
8.	Dr. Jasjit Randhawa	Member	Khalsa College, Amritsar
9.	Dr. Gurinder Singh	Member	Khalsa College, Amritsar
10.	Dr. Sameer Kalia	Member	D.A.V. College, Amritsar

5.3. Activities of the Tarapur Chapter

Four Thematic Lectures on NUCLEAR FUEL CYCLE were organized during 2024-2025.

i. Radiation Assay and Imaging of Nuclear Fuels: Analytical Approach to Non-Destructive Techniques", by Dr. Smt. K.V. Vrinda Devi, Radiometallurgy Division, BARC Mumbai on April 16th, 2024.

ii. R & D Activities at Waste Management Laboratories, Tarapur - An Overview", by Dr. Smt. T.P. Valsala, AGM TSS, NRB, BARC Tarapur on April 16th, 2024.

iii. Evolution of Radiation Protection, Current Practices & Future Prospective", by Dr. M.S. Kulkarni, Head, Health Physics Division, BARC, Mumbai on May 24th, 2024.

iv. Role of NUMAC at Tarapur Reprocessing Plant (TRP)", by Shri. Partha Sarathi, OIC, NUMAC & Analytical Lab, NRB, BARC, Tarapur on October 24th, 2024.

The triennial National Symposium **NUFUC-2025** was organized during February 06-08, 2025 at BARC Community Centre, Tarapur by IANCAS, Tarapur chapter and sponsored by BRNS.

More than 290 delegates as well as invitees attended the symposium in offline mode and more than 50 delegates/invitees joined in online mode. Nineteen invited talks and 6 short talks were delivered by eminent scientists and experts from their respective fields. There were 8 oral presentations (from contributory research papers) and 57 poster presentations in the symposium. The data base of this symposium was made in the form of e-souvenir .

Following is the Executive Committee of the IANCAS Tarapur chapter for 2024-2027.

No.	Name	Post
1.	Shri R.B. Bhatt	President
2.	Dr. Vinit Kumar Mittal	Secretary
3.	Dr. Gitender Singh	Treasurer
4.	Dr. T.P. Valsala	Member
5.	Dr. Anoop Kelkar	Member
6.	Shri. A. Baburajan	Member
7.	Dr. N.S. Rathore	Member
8.	Shri. B. Swain	Member
9.	Dr. Ashish Pandey	Member
10.	Smt. Amrita Dhara	Member

5.4. Activities of the Eastern Region Chapter (ERC)

IANCAS-ERC, in collaboration with the Institute of Physics (IOP), Bhubaneswar, organized a one-day IOP-IANCAS Golden Jubilee Workshop titled "**I will also be a Scientist**" on 17th August 2024 at IOP Bhubaneswar.

This event aimed to inspire science graduates by highlighting the importance of Material Sciences, Nuclear Sciences, Advanced Physics, and their societal applications. Approximately 200 students from classes IX and X, representing around 25 Odia Medium High Schools across Odisha, attended the day long program.

Following is the Executive Committee of the IANCAS ERC for 2024-2027.

No.	Name	Post
1.	Prof. K. K. Nanda	President
2.	Dr. S. N. Sarangi	Vice-President
3.	Dr. S. K. Biswal	Vice-President
4.	Dr. B. Mallick	Secretary
5.	Dr. A. N. Acharya	Joint Secretary
6.	Mr. B. Behera	Treasurer

ACKNOWLEDGEMENTS:

IANCAS is indebted to Dr. A. K. Mohanty, Chairman, AEC & Secretary, DAE, Government of India and Shri Vivek Bhasin, Director, BARC for their continuous support and encouragement. Thanks to BRNS for the financial support to sustain the activities of the Association. IANCAS thanks its Patron Dr. Anil Kakodkar, former Chairman, AEC& Secretary DAE for his support and encouragement. IANCAS acknowledges the dedicated efforts of its Workshop team, resource persons, guest editors and contributors for thematic bulletins. We would like to thank IANCAS regional chapters for their contributions towards the outreach programs across the country. IANCAS also thanks office staff as well as the supporting staff of Radiochemistry and Isotope Group for their help and support.

(S.K. Sharma)
General Secretary