

INDIAN ASSOCIATION FOR RADIATION PROTECTION



ANNUAL REPORT
2024-2025

Annual Report of the IARP for the Financial year 2024-25

Dear Members,

The Executive Committee of IARP extends its warm greetings to all members.

The Indian Association for Radiation Protection (IARP), established in 1968 by radiation and environmental safety experts from BARC, continues to promote radiological safety in the application of ionizing radiation across India. Admitted as an Associate Society of the International Radiation Protection Association (IRPA) in 1970, IARP remains an active and contributing member of IRPA. At present, the association comprises a diverse membership of specialists and users of natural and man-made radiation sources across India.

During the year 2024–25, IARP undertook several activities, including the Biennial National Conference held at Mangalore University, Mangalore; publication of the Journal of Radiation Protection and Environment (RPE); organization of training programs and public awareness initiatives; provision of financial support for scientific events; and facilitation of activities by the Young Professionals' Group. Highlights of these activities are summarized below:

1. Biennial Scientific Conference - IARP National Conference (IARPNC-2025)

The Indian Association for Radiation Protection (IARP) successfully organized its 35th Biennial Scientific Conference, IARP National Conference-2025 (IARPNC-2025), in collaboration with Mangalore University at the Mangala Auditorium, Mangalore University, Mangaluru, Karnataka, during 29-31 January, 2025. The conference, themed "Radiation Protection for Sustainable Nuclear Energy: Adapting to Climate and Technological Changes," provided a distinguished platform for experts, researchers and professionals to engage in insightful discussions and knowledge-sharing. The event witnessed the participation of nearly 350 professionals, including eminent scientists from BARC and various DAE units, distinguished academicians and industry leaders from the radiation technology sector. The scientific sessions recorded an average attendance of approximately 250 delegates, reflecting active engagement and enthusiasm. During the conference, the IARP-2025 awards were presented to distinguished experts in recognition of their outstanding contributions, to radiation protection across diverse domains. The list of awards and awardees is provided below:

- The Lifetime Achievement Award-2025 – Dr. K. S. Pradeepkumar
- Dr. A. K. Ganguly Memorial Oration Award-2025 – Dr. M. S. Kulkarni
- Dr. K. G. Vohra Memorial Oration Award-2025 – Dr. A. Vinod Kumar
- Nagaratnam Memorial Oration Award-2025 – Shri Ajay Singh Rathore
- Shri P. R. Kamath Radiation Environmentalist Award-2025 – Dr. Vandana A. Pulhani
- Dr. A. K. Ganguly Research and Development Award-2025 – Dr. Minal Y. Nadar
- Dr. A. R. Gopal Ayengar Young Scientist Award-2025 – Dr. Neena G. Shetake
- Meritorious Radiation Safety Officer Award-2025 – Dr. Mukesh Kumar Zope
- Meritorious Operational Health Physicist Award-2025 – Shri Sangameshwar Shivadouda Managanvi (TAPS 3&4) and Shri Shreenivas Vaikuntam (BARC, Mumbai)
- A. K. Ganguly Best Essay Award: First prize – Ms. Sonam Sujit Chavan, Y. C. College, Karad; Second prize – Shri Sadaf, Royal College, Mira Road; Third Prize – Shri Abhishek Devare, SKN Engineering College, Pandharpur, and Ms. Sakshi Patil, Y.C. College, Karad, Maharashtra

- Dr. A. K. Ganguly – Dr. D. V. Gopinath RPEJ Best Manuscript Award – 2025 - Dr. Sabyasachi Paul et al. for their research article titled “Impact of supporting substrate on the measured neutron yields from natLi (p, n) system: A case study with natC and natTa stopping targets, Radiation Protection and Environment 46 (3): p 73–79, July–September 2023. | DOI: 10.4103/rpe.rpe_35_23.
- 10 best oral and poster presentation awards were announced during the valedictory session.

2. Publication of Radiation Protection and Environment (RPE) Journal

The RPE journal continued its regular quarterly publication with support of the editorial board and Wolters Kluwer Medknow for printing and distribution. It is available online as an open-access journal, ensuring broad accessibility to readers worldwide.

- Four issues of the RPE journal were published during the year 2024
- Three issues of the RPE journal have been published so far in the year 2025
- Researchers in the field of radiation protection and environmental studies, including senior experts from DAE facilities, universities and other institutions contributed to peer-reviewing articles
- Members are encouraged to contribute original research papers, review articles and other scholarly works for publication to enhance the journal's quality and overall impact

The journal's archives from 2010 onwards are accessible at www.journalonweb.com/rpe. The editorial board actively working toward securing an impact factor for the journal to further benefit contributing authors.

3. Public Awareness Programs (PAP)

IARP conducted workshops at various colleges as a part of its Public Awareness Program to improve public perception of radiation safety and nuclear energy. These sessions featured lectures on the fundamentals of nuclear physics, radiation and the environment, radiation detection and measurement, Indian nuclear energy programme and peaceful applications of nuclear technology. Demonstrations of radiation monitoring instruments, personal protective equipment and an innovative skit titled “Kum Mai Hai Dum” received enthusiastic responses from participants. Each workshop was attended by 100-150 students and faculty members. The total expenditure incurred for these activities was approximately ₹7.6 lakhs. The details of the PAP conducted during 2024-25 are as follows:

S. No.	Date	College Name	Place
1.	13/07/2024	DKTES Textile & Engineering Institute, Ichalkaranji	Ichalkaranji, Maharashtra
2.	21/07/2024	Willingdon college, Sangli	Sangli, Maharashtra
3.	24/08/2024	Taywade College, Koradi, Nagpur, Maharashtra	Nagpur, Maharashtra
4.	31/08/2024	Royal College of Arts, Science & Commerce, Mira Road, Maharashtra	Miraroad, Maharashtra
5.	21/09/2024	APMS Comrade Godavari Shamrao Parulekar College of Arts, Commerce and Science, Talasari, Palghar Maharashtra	Talasari, Palghar, Maharashtra
6.	28/09/2024	Maharshi Parshuram College of Engineering Velneshwar	Velneshwar, Ratnagiri,
7.	19/10/2024	IIMR College, Indore	Indore, Madhya Pradesh

8.	19/10/2024	SDSM Sonopant Dandekar Arts, V.S. Apte Commerce and M.H. Mehta Science College, Palghar	Palghar, Maharashtra
9.	20/10/2024	Govt. Nirbhay Singh Patel Science College, Indore	Indore, Madhya Pradesh
10.	30/11/2024	SIES College, Sion	Mumbai, Maharashtra
11.	07/12/2024	St. John Junior College, Palghar	Palghar, Maharashtra
12.	01/03/2025	SICES College, Ambarnath, Thane	Ambarnath, Maharashtra
13.	08/03/2025	Sevadal Mahila Mahavidyalaya, Nagpur	Nagpur, Maharashtra

4. Training Programs by Governing Council for Training Courses (GCTC)

The Governing Council for Training Courses (GCTC), in collaboration with RP&AD, BARC, organized periodic training and certification programs for Radiological Safety Officers (RSOs). A total of 434 participants attended these programs during 2024-2025 (10 courses conducted), achieving a success rate of 81.34 %. The revenue generated from training course fees was ₹52.07 lakhs, with an income over expenses of ₹13.87 lakhs.

5. Financial Support for Scientific Activities

IARP extended financial assistance to several scientific initiatives, including ₹40,000 for participation in an international conference, and ₹3 lakhs to the Kalpakkam chapter. Additionally, ₹5 lakhs was granted for organizing the 'Nuclear Energy & Clean Environment (NECE)' theme meeting held on 5-6 June, 2024 at DAE Convention Centre, Anushaktinagar, Mumbai, along with partial financial support for the IARP's Biennial National Conference at Mangalore University, Mangaluru, India. Further, an amount of ₹25,000 was extended to ISEAC for organizing the DAE Symposium (CTTC-2024).

6. Young Professionals Group (YPG)

The IARP Young Professionals Group, initiated in 2023, facilitates to promote collaboration and knowledge exchange among young researchers in the field of radiation protection. As part of its activities, YPG organized a hybrid webinar in association with Asian YPGs: Fostering global collaboration: Indian Association for Radiation Protection-Young Professionals Group discussion forum with young generation network of the International Radiation Protection Association at IARPNC 2025 at Mangalore University, Mangaluru, India.

7. Acknowledgements

The IARP Executive Committee extends its sincere appreciation to all members, office bearers, editorial board members and contributors for their continued support. We also express our gratitude to the Department of Atomic Energy units, including BARC, IGCAR, AERB and NPCIL for their consistent support in advancing IARP initiatives. Special thanks to the Board of Trustees for their valuable guidance and to all our members for their active participation. The association's financial self-reliance achieved through training course revenues is noteworthy, and we look forward to your continued support and participation in future endeavours.



(S. Anand)
Secretary, IARP