

IARP – Executive Committee: Annual Report for the year 2020-21

Dear Members,

The IARP Executive Committee conveys greetings to all members.

As all of us with prioritizing on personal safety, are continuing to experience the ongoing pandemic, the new normal ways of life, modifications in our life style and work culture. Executive Committee, IARP wishes every member and their family a Healthy, Happy period ahead.

Executive Committee, IARP would like to pay respects to those members (and their family members) who unfortunately lost their life due to the pandemic.

The IARP activities were continued during the period under this report which included publication of the journal "Radiation Protection and Environment", organizing extensive training programmes related to safety in applications of radiation and radioisotopes in industry, nucleonic gauges, etc., executive committee meetings (online) and organization training programmes under Virtual Mode from Mumbai. These activities are briefly outlined here.

1. Conduct of IARPNC under Virtual Mode

Due to the Covid-19 pandemic, the 34th IARP National Conference (IARPNC 2020) was conducted during January, 2021 under Virtual Mode. The theme of the conference was 'Advances in Radiation Measurement Systems and Techniques'. The conference was inaugurated by Shri G. Nageshwar Rao, Chairman, AERB, Dr. B. Venkataraman, Director, IGCAR and President IARP and Dr. M.S. Kulkarni, Head, HPD & Vice-President IARP also addressed during the inauguration of the conference. The virtual mode of conference was attended online by about 300 delegates including Radiation Protection professionals from DAE, Industry and Researchers from University. One of the important features of this virtual mode of conference was the participation of a large number of students and professors from universities and experts from the academic field. Dr. S. Murali, Secretary, IARP proposed vote of thanks.

The scientific deliberations of the conference included latest systems and techniques developed for radiation measurements, environmental radioactivity, assessment of radiation exposure to the public from natural radiation and emergency preparedness. There were thirteen invited talks and special talks on the opening session every day by field experts. There was an Online panel discussion on 'Radiation Protection and Public Perception' on the concluding day of the conference. The panelists included experts from BARC, IGCAR, AERB and Mangalore University. Dr. S. Murali, Secretary, IARP proposed vote of thanks.

The scientific deliberations during the conference revealed following priorities for research in radiation protection:

- a) Focused R&D on radiation detectors and instrumentation for detection of ionizing radiation during both normal operations and radiation emergency situations.
- b) Focused efforts should be continued for neutron dosimetry in light of new generation particle accelerators getting introduced in the medical and research areas.
- c) Development of new methods to give impact/dose assessment for triage during radiological accidents and other emergency situations.
- d) Re-thinking of Linear No Threshold (LNT) model on its applicability in the field of radiation protection by analyzing the data and health impacts in High Background Areas of Kerala.

The following is the list of the Awardees of the IARP Awards given during IARPNC-2020.

S N	Name of the Award	Name of the Awardee	Institution
1	Dr. A.K. Ganguly Life Time Achievement Award – 2020	Dr. D. N. Sharma	Member, NDMA and Ex. Dir. HS&EG, BARC
2	Dr. K.G. Vohra Memorial Oration Award – 2020	Dr. R. M. Tripathi	Ex-BARC, Mumbai
3	Dr. A.K. Ganguly Memorial Oration Award – 2020	Dr. P. K. Sarkar	Ex-BARC, Mumbai
4	Dr A.K. Ganguly Research and Development Award – 2020	Dr. Ms. Pramilla Sawant	RSSD, BARC, Mumbai
5	Young Scientist Award – IARP 2020	Dr. Pallavi Singhal	EMAD, BARC, Mumbai
4	Meritorious Operational Health Physicist Award – IARP 2020	Dr. N. Suryamurthy	RSO, HPU, Bhavini
5	RPEJ best Paper Award – IARP 2020	Shri G. Ganesh	HPD, BARC, Mumbai
6	Sri P.R. Kamath Radiation Environmentalist Award – IARP 2020	Shri B N Dileep	ESL, Kaiga, EMAD
7	Oral paper presentation: IARP 2020 Design and Development of Radiation Monitoring Watch (RMW)	Shri. Shivam Agarwal	RSSD, BARC, Mumbai

2. Organization of EC meetings under Virtual Mode from Mumbai and Proposal to host Asia Oceanic Congress on Radiation Protection (AOCRP) at Mumbai in Feb. 07 – 11, 2023

Online meetings on Executive Committee, IARP were carried out to explore the feasibility to conduct the Asia Oceanic Congress on Radiation Protection (AOCRP 6th International Conference) in collaboration with International Radiation Protection Association (IRPA) and Asia Oceanic Association on Radiation Protection (AOARP). Executive Committee members of IARP have taken part in all the online meetings. Memorandum of Understanding between IRPA and IARP is signed in this regard, Organizing Committee for the same has been nominated as follows: Chairman (Dr. B. Venkataraman), Co-Chairman and Convener (Dr. M. S. Kulkarni) and Co-Convener (Dr. S. Murali). The venue for the AOCRP-6 Conference after through scrutiny has been identified as Nehru Centre, Worli. Other Scientific and Technical preparations are going on. A separate bank account for the conference in the name of AOCRP 6 – 2023 has been opened at SBI, BARC Branch. Dedicated web/portal services for AOCRP-6 are being hosted. The conference details will be posted in the portal.

3. The IARP's 'Radiation Protection and Environment' (RPE) journal:

Publication of 'Radiation Protection and Environment (RPE)', the quarterly journal of IARP was continued with the able help of the RPE Editorial Board. The printing and distribution of the journal to the IARP life members has been entrusted to M/s Medknow publications. In order to ensure, easy access, the RPE journal has been made available on-line. It was decided to print about 300 copies of the journal for distribution to interested members who have updated their addresses. Four issues of the Radiation Protection and Environment, were published during the period. The Editorial Board would like to place on record its appreciation of the retired and serving experts from DAE facilities, universities, who have contributed to the journal in terms of peer reviewing of the papers. All IARP members and the readers are requested to contribute to the journal in terms of original papers, reviews, and materials for publication in News and Information Section of the journal. The submission of manuscripts for publication in the journal can be done online (www.iarp.org, www.journalonweb.com/rpe).

4. Financial Support to Scientific Programmes

Due to pandemic related lockdown and online mode of operations of all educational institutions, IARP could not get receive requests for monetary support to any scientific programmes / workshops during this financial year 2020 – 2021.

5. Training Programme conducted by GCTC, IARP:

The IARP training programme was conducted in a truncated manner during the pandemic situation.

TRAINING CALENDER DURING April 01, 2020 – March 31, 2021

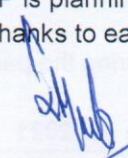
Name of the course	Date	Duration	No of participants
Training Course on Radiation Safety Aspects of Nucleonic Gauges NG-169	March 8 - 17, 2021	9 days	45

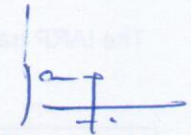
6. Outreach Activities at Educational Institutions:

Title of the Programme	Date	Venue	No of participants	Amount spent (Rs)
Awareness Program on "Radiation Technology and applications"	Dec 12, 2020	Prasanti ITI Polytechnique College, Vishakhapatnam	300	23, 175
Radiation awareness programme commemorating 125 years of discovery of X rays and radioactivity by IARP(K)	Feb 27 , 2021	Sri Bharathi College of Arts and Science, Pudukottai	Total about 5000 students	1, 21, 450
	March 01, 2021	Saiyed Ammal College of Engineering Ramanathapuram		
	March 03, 2021	Alagappa University, Karaikudi		
	March 10, 2021	Swamy Abedhananda Polytechnic College, Thellar		
	March 11, 2021	King Nandi Varman College of Arts and Science, Vandavasi		
	March 12, 2021	Sri Akilandeswari women's college of engineering and technology		
	Mar 17, 2021	New Prince Bhavani College of Engineering and Technology, Vengaivasal, Chennai		
Beneficial Effects of Radiation Technology and Indian Nuclear Energy Programme	20-02-2021	GGS Polytechnique College, Nasik	250	60, 000

7. Acknowledgement

The IARP executive Committee takes this opportunity to thank all members, office bearers, editorial board members, and all those who contributed for the smooth functioning of the Association. It must be mentioned that the IARP has achieved financial self-sufficiency through the funds generated by the training courses. IARP gratefully acknowledges the support provided by the government agencies, public institutions and private enterprises for the successful organization of the 34th Annual Conference. We sincerely request your continued support and hope you will encourage us in all the future events that IARP is planning to do. Last but not the least, Executive Committee, IARP would like to mention its special thanks to each one of IARP Member for being with us


(S. Murafi)
Secretary, IARP


(B. Venkataraman)
President, IARP