

NOTICE

THIRTY SIXTH ANNUAL GENERAL BODY MEETING

**On Tuesday, February 07, 2017
at 17:00 hrs**

**Venue :KIIT University
Bhubaneswar, Odisha**

**Note: Presentation by IANCAS Awardees at 17:00 hrs
IANCAS AGM at 18:30 hrs**

**INDIAN ASSOCIATION OF NUCLEAR CHEMISTS
AND ALLIED SCIENTISTS (IANCAS)**

(Reg. No. MAH/232/1984/GBBSD)

C/o. Radiochemistry Division

Bhabha Atomic Research Centre, Mumbai - 400 085

INDIAN ASSOCIATION OF NUCLEAR CHEMISTS AND ALLIED SCIENTISTS (IANCAS)

Annual General Body Meeting

The thirty sixth Annual General Body Meeting of the Indian Association of Nuclear Chemists and Allied Scientists (IANCAS) will be held on Tuesday, February 07, 2017 at **18:30** hrs in KIIT University, Bhubaneswar, Odisha, after the IANCAS awardees presentation at 17:00 hrs in the Technical Session of NUCAR-2017.

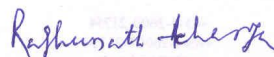
All members are requested to make it convenient to attend the meeting.

Announcement of IANCAS Awards for 2016 and Presentation by Awardees (at 17:00 hrs).

- a) Dr. M. V. Ramaniah Memorial Award
- b) Dr. K.S. Venkateswarlu Endowment Lecture Award
- c) IANCAS- Dr.Tarun Datta Memorial Award
- d) IANCAS-Prof.H.J.Arnika Best PhD Thesis Award

AGENDA

1. To read and confirm the minutes of the 35th Annual General Body Meeting held on April 05, 2016 at 18:30 hrs at Multipurpose Hall, TSH, Anushaktinagar, Mumbai-400094.
2. To read and adopt the Annual Report for 2015-2016.
3. To approve the Audited Statement of Accounts for the year 2015-2016.
4. To appoint the Auditor for the year 2016-2017 and fix the remuneration.
5. To discuss the future activities of the Association.
6. To discuss various IANCAS Chapter activities.
7. Any other matter with the permission of the Chair.
8. President's Remarks.



General Secretary

NOTE:

- a) Any question/suggestion should reach the Secretary, IANCAS on or before February 02, 2017 (Email: racharya@barc.gov.in / secretaryiancas@gmail.com)
- b) Members are requested to bring this notice at the time of the meeting.
- c) If there is no quorum, the meeting will be adjourned for half an hour and subsequently the meeting will be held at the same venue irrespective of the quorum.

AGM will be followed by Dinner for all the Members

ANNUAL REPORT

Dear Members,

I welcome you all to the 36th Annual General Body Meeting of IANCAS. It gives me immense pleasure to present briefly the activities of our Association during the period April 2015 to March 2016.

MEMBERSHIP

The Association has 1699 life members and 19 corporate members as on March 31, 2016 with an addition of 46 life members during this financial year (2015-16).

WORKSHOPS

Two BRNS-IANCAS National Workshops and one two-day workshop on “Radiochemistry and Application of Radioisotopes” were organized during this period.

1. The 90th BRNS-IANCAS National Workshop on “Radiochemistry and Applications of Radioisotopes” was jointly organized at the Amity Institute of Nuclear Science and Technology (AINST), Amity University, Noida, UP during October 5-10, 2015. Dr R. Acharya, Secretary, IANCAS and Dr. D. Alamelu, Jt. Secretary, IANCAS served as Co-ordinator and Practical Coordinator of the Workshop, respectively. Dr. Alpana Goel, Dy Director and Head, AINST and Prof. A. N. Garg, Professor Emeritus, AINST, Amity University were Convenor and Co-convenor, respectively. The Workshop was attended by 45 participants from various University/Colleges like Nagpur, Roorkee, Haridwar and nearby colleges of Delhi University and surrounding areas as well as Amity faculty members. Besides M. Tech. students from Biotechnology, Food Technology and Applied Sciences have attended the course. Each participant was given a set of two books (IANCAS publications) viz. (i) Fundamentals of Radiochemistry and (ii) Experiments in Radiochemistry.

The Workshop was inaugurated by Dr. A. V. R. Reddy, President, IANCAS and Former Head, Analytical Chemistry Division, BARC. He emphasized the importance of nuclear sciences and radiochemistry in the nuclear energy program of India. Dr. A. K. Sharma Former Head, Food Technology Division, BARC delivered keynote address on “Radioisotope Applications in Food and Agriculture”. The technical program of the Workshop comprised of 13 Lectures and five practicals. A total of 12 resource persons conducted the workshop.

The lectures were held during the morning sessions and the afternoon sessions were reserved for the practicals. Experiments on G. M. counter, NaI(Tl) scintillation gamma ray spectrometer, Determination of half-life of ^{137m}Ba, U-Th separation by solvent extraction and ⁹⁹Mo-^{99m}Tc generator as a Radiopharmaceutical were conducted. Each experimental session was followed by discussion. At the end of the workshop on the final day, a Quiz session was organized based on the lectures and experiments. Valedictory function was held in the afternoon of Oct 10, 2015. Dr. B. S. Tomar, Vice President, IANCAS, and Associate Director, Radiochemistry and Isotope Group was the Chief Guest. He gave details on the BRNS activities and Collaborations and explained the mandate of DAE. All the participants were given IANCAS certificates. On behalf of IANCAS, Dr. Tomar donated two instruments, a G. M. counter and NaI(Tl) scintillation gamma ray spectrometer along with a set of sealed radiation sources to the institute. The Workshop was concluded with a vote of thanks by Sh. T.P. Chaturvedi.

2. The 91th BRNS-IANCAS National Workshop on “Radiochemistry and Applications of Radioisotopes” was organized at Radiations & Isotopic Tracers Laboratory (RITL), College of Basic Sciences & Humanities, G. B. Pant University of Agriculture & Technology (GBPUAT), Pantnagar – 263145, Uttarakhand during February 22-27, 2016. Dr. Manoj Kumar Sharma and Dr. P. S. Ramanjaneyulu served as workshop coordinators. Prof. Surendra K. Tyagi, Incharge, RITL and Dr. G. C. Joshi, Assoc. Prof., RITL were convener and Co-convener, respectively. The Workshop was attended by 39 participants from various university/colleges/institutes including faculty members and research scholars from various colleges and Departments of GBPUAT, Pantnagar. Each participant was provided with a set of two books (IANCAS publications) viz.(i) Fundamentals of Radiochemistry and (ii) Experiments in Radiochemistry.

Prof. S. K. Tyagi welcomed the participants and Prof. U. Melkania told about the GBPUAT. Dr. M. K. Sharma and Dr. B.S. Tomar informed the participants about the aims of the workshop and activities of IANCAS, respectively. Dr. B. S. Tomar, Vice President, IANCAS and Associate Director, RC&I Group, BARC also emphasized the importance of nuclear sciences and radiochemistry in the nuclear energy program of India. Prof. N. S. Murthy, Dean, PGS gave the inaugural address. Dr. S. P. Kale, Associate Director, BSG, BARC delivered keynote address on “Radioisotopes in Agricultural Research”. Prof Joshi proposed vote of thanks. The technical program of the Workshop comprised of 13 lectures, 3 evening lectures and 4 practicals. A total of 12 resource persons conducted the Workshop . Valedictory function was held in the afternoon of February 27, 2016. Prof. Mangala Rai (Hon’ble Vice-chancellor of GBPUAT) and Dr P. K. Pujari (Head, RCD, BARC) were the Chief Guest and Guest of Honor, respectively. Prof. Rai emphasized on the importance/applications of radioisotopes in agricultural research and appealed the agricultural scientists to apply radioisotopes in their research work. Dr. Pujari appealed to the participants to inform colleagues and students about the benefits of nuclear energy and radioisotopes. On behalf of IANCAS, Dr P. K. Pujari donated two instruments, G. M. counter and NaI(Tl) scintillation gamma ray spectrometer along with a set of radiation sources to the RITL, GBPUAT. All the participants were given IANCAS certificates. The Workshop was concluded with a vote of thanks by Prof. G. C. Joshi.

Two-day and One –day College and School Workshops

1. A Two-day Workshop on “Radiochemistry and Applications of Radioisotopes” was held in S P College, Pune for Science faculties, research scholars and M.Sc. students during August 7-8, 2015. In this workshop four lectures and three practicals were conducted. Dr. A. Dash, Head, RPhD was the Chief Guest and keynote speaker.
2. A One-day workshop on “Nuclear Chemistry” was organized in K.J. Somaiya College of Science and Commerce, Vidyavihar, Mumbai on 25th July 2015. Dr. A. V.R. Reddy, Former Head, ACD was the Chief Guest for this program.
3. Another One-day workshop on “Nuclear Science and Instrumentation” was organized at Vidyalankar Polytechnic, Wadala, Mumbai on 31st October 2015. Dr. A. Goswami, Former Head, RCD was the Chief Guest for this program.

Annual report for 1st April 2015- 31st March 2016 of IANCAS – SRC

The Annual Report of the IANCAS southern regional chapter (SRC) was submitted by Dr. R. Kumar, Secretary, IANCAS - SRC.

Seaborg and Curie Memorial Lectures

The twelfth Seaborg Memorial Lecture titled “The Big world of small neutrinos” was delivered on 20th April, 2015 by Dr. M.V.N.Murthy, Institute of Mathematical Sciences, Chennai who also discussed the Indian Neutrino Project coming up in Southern Tamil Nadu in details. The twelfth Curie Memorial Lecture titled “Curie Therapy in the service of mankind: From Radium Roads to Brachytherapy Suites” was delivered by Prof. Rajiv Sarin, Director, Advanced Centre for Treatment Research and Education in Cancer (ACTREC), Tata Memorial Hospital, Kharghar, Navi Mumbai on 18th March 2016. All these lectures were well received and appreciated.

Workshop on Radioactivity

IANCAS-SRC conducted six Radiochemistry workshops in Chennai (T.N), Kanchipuram (T.N), Vishakhapatnam (A.P), Kakinada (A.P), Mysuru (Karnataka), Kannur (Kerala) and Calicut (Kerala). IANCAS-SRC thanks the IANCAS Main Body for the financial support for the workshops conducted at Vishakhapatnam, Kakinada, Mysuru, Kannur and Calicut. IANCAS (SRC) also thank IGCAR for rendering the transport facility for conducting the workshop at Kanchipuram. Details of the workshops conducted in the colleges and schools are given below.

S.No	Name of Institution	Dates
1	MAMO College, Kannur, Kerala	8 th &9 th October, 2015
2.	Calicut University, Calicut, Kerala	26 th & 27 th Nov. 2015
3.	Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, Kanchipuram, Tamil Nadu	27 th & 28 th Jan. 2016
4.	Anil Neerukonda Institute of Technology and Sciences, Vishakhapatnam, Andhra Pradesh	10 th & 11 th Feb, 2016
5.	P.R. Government College(A),Kakinada, Andhra Pradesh	26 th & 27 th Feb, 2016
6.	Regional Institute of Education, Mysuru, Karnataka	30 th & 31 st March, 2016

The workshops are now conducted as two one day workshops as was the case in the past) and additional lectures on Nuclear Fuel Cycle, Nuclear Reactors and Nuclear Analytical Chemistry along with a short presentation on careers in DAE have also been added. The response to all the workshops was very impressive and they were well received by the institutions. IANCAS-SRC thanks to the resource persons involved in these workshops i.e. Dr. P. R. Vasudeva Rao, Shri C. R. Venkata Subramani, Dr. R. Kumar, Shri K.A. Venkatesan, Shri D. Saha and Shri G.V.S. Ashok Kumar, who were keen and dynamic in their participation. Executive committee, SRC thanks all the volunteers who whole-heartedly worked in conducting the workshops and memorial lectures successfully.

Activities of IANCAS-Tarapur Chapter:

IANCAS Tarapur Chapter had organized a number of technical programmes at Tarapur in 2015-2016. The following activities were carried out.

1. IANCAS BRNS National Symposium on “Recent Advances in Nuclear Fuel Cycle Activities (NUFUC-2015)”

IANCAS Tarapur Chapter had organized two days symposium on “Recent Advances in Nuclear Fuel Cycle Activities (NUFUC-2015)” at Community Hall, TAPS 3 & 4 colony township, Tarapur in collaboration with Board of Research in Nuclear Sciences (BRNS) during August 20 - 21, 2015. The aim of the symposium was to bring together the scientists from different units of DAE working in the nuclear field with several new facilities such as actinide separation facility, advanced vitrification system, PRTRF facility for thorium based reprocessing, fast reactor fuel reprocessing and facilities involved in newly developed fuels and important aspect in nuclear power generation with respect to various types of reactors etc. The latest advancements in the field were brought out in this symposium and was conducted successfully.

In lecture series on Nuclear Fuel Cycle, Shri K. Haldar, GM, INRPWMD delivered lecture on April 22, 2016 regarding recent update on INRP project on future waste management.

Annual report from IANCAS-NRC

Report submitted by Dr. Taminder Singh on the activities conducted by Northern Chapter

A One Day Workshop on Experiments in Radiation Physics was organized in the Department of Physics, Khalsa College, Amritsar on 20.2.2016. Prof. Arvind and Dr. P.S. Chandi, IISER, Mohali were the resource persons. The students of B.Sc. and M.Sc. participated in the workshop.

The following lectures cum demonstrations are planned for the year 2016-17

1. Dr. Taminder Singh will deliver a lecture on Radiation detection and measurements at Pandit Mohan Lal S.D. College for Women, Gurdaspur on April 26, 2016.
2. A One Day Workshop on Radiation Detectors will be organised by Department of Physics, Khalsa College, Amritsar on September 6, 2016 with Dr. Sarbjit Singh, Ex BARC as the resource person.
3. A two day workshop at Hindu College Amritsar is planned in the month of Feb/March 2017.

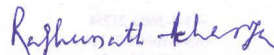
IANCAS WEBSITE:

The website www.iancas.org launched in 2004, provides complete information about the current activities and upcoming programmes of IANCAS. The thematic IANCAS bulletins are available on the website which can be downloaded. The website has been updated, however uploading of thematic bulletins is in progress.

ACKNOWLEDGEMENTS:

IANCAS is indebted to Dr. Sekhar Basu, Chairman, AEC, Shri K.N. Vyas, Director, BARC and Prof. P. Rama Rao, Chairman, BRNS for providing generous financial support to sustain the activities of the Association. IANCAS thanks its Patron Dr. Anil Kakodkar, former AEC Chairman for his support and encouragement to the Association.

IANCAS acknowledges the dedicated efforts and team work of Workshop Coordinators, resource persons, Guest Editors and Contributors of thematic Bulletins, and authors/translators of IANCAS publications.



General Secretary

Book Post

To

From:

**Dr. R. Acharya
General Secretary, IANCAS
C/o. Radiochemistry Division
Bhabha Atomic Research Centre
Trombay, Mumbai - 400 085**