

## ORGANIZING COMMITTEE

Under the Guidance of:

**S. Satyajit Singh Ji Majithia, President &  
S. Rajinder Mohan Singh Ji Chinna, Honorary Secretary**

Khalsa College Charitable Society Amritsar.

Dr. Mehal Singh Principal & Patron

Dr. P.C. Kalsi, IANCAS Co-ordinator (Ex BARC, Mumbai)

Dr. Satyajit Chaudhury, IANCAS Co-ordinator (BARC, Mumbai)

Dr. Harvinder Kaur, Convener

Dr. Taminder Singh, Co-ordinator (Khalsa College, Amritsar)

Dr. Gurinder Pal Singh, Organizing Secretary

Dr. Joga Singh, Co-Organizing Secretary

Dr. Kamalpreet Kaur, Finance Secretary

Dr. Gurpartap Singh, Member

Mrs. Gursharan Kaur, Member

Dr. Sanjit Amrita Kaur, Member

Dr. Iqbal Singh, Member

Dr. Mohan Singh, Member

Dr. Parvinder Kaur, Member

Dr. Parminder Singh, Member

Dr. Harmanmeet Kaur, Member

Dr. Shally Bhatia, Member

Dr. Om Parkash, Member

**For further information please contact:**

**Dr. Gurinder Pal Singh**

(Mob. +91-9855032230)

**Organizing Secretary**

Department of Physics

Khalsa College Amritsar-143002

College with Potential for Excellence- status conferred by UGC

NAAC Accreditation 'A' grade,

ISO certified 9001-2000, 14001-1996

[www.khalsacollege.edu.in](http://www.khalsacollege.edu.in)

e-mail : [nsar2022@khalsacollege.edu.in](mailto:nsar2022@khalsacollege.edu.in)

## PARTICIPATION FORM

104<sup>th</sup> DAE BRNS – IANCAS

National Workshop on

Radiochemistry

and

Applications of Radioisotopes

(Send scanned copy of duly filled Participation form  
via email on or before April 30, 2022)

Name: .....

Designation:.....

Organization:.....

Area of Research/ Teaching:.....

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Address:.....

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.....

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Contact:.....

E-mail:.....

Participation Fee Details (In DD or Cash only)

DD/Cash: .....

DD No.....Dated.....

Name of Bank:.....

Branch: .....

Demand draft in favour of Principal, Khalsa College  
Amritsar payable at Amritsar must be sent to the  
Organizing Secretary.

Date:

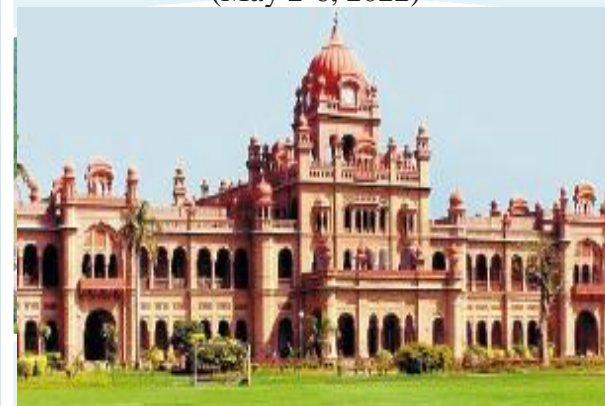
Place:

Signature

**Note:** Send scanned copy of duly filled participation form

on email: [nsar2022@khalsacollege.edu.in](mailto:nsar2022@khalsacollege.edu.in)

# 104<sup>th</sup> DAE BRNS-IANCAS NATIONAL WORKSHOP On RADIOCHEMISTRY AND APPLICATIONS OF RADIOISOTOPES (May 2-6, 2022)

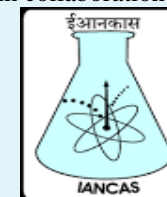


**Organized By:**

P.G. Department of Physics,

**KHALSA COLLEGE AMRITSAR**

in collaboration with



**Indian Association of Nuclear Chemists  
and Allied Scientists (IANCAS)  
c/o Radiochemistry Division  
Bhabha Atomic Research Centre,  
Mumbai**

## ABOUT THE COLLEGE

Khalsa College Amritsar was established in 1892 with the main objective to spread the benefits of modern education in Humanities, Agriculture, Science and Technology amongst the people of Punjab. The avowed aim of its founding fathers was the eradication of ignorance, illiteracy and social evils bedeviling the Indian society through enlightened, progressive and value oriented education. A galaxy of distinguished citizens, eminent educationists and noted celebrities like Sir Sunder Singh Majithia, S. Tarlochan Singh, Padam Vibhushan Bhai Vir Singh Ji, S. Harbans Singh Attari, Col. Sir Buta Singh, S.B.S. Ujjal Singh, Major Harinder Singh, Dr. Sohan Singh, S. Gurmukh Singh Chawla, S. Sant Singh and many more worked with rare distinction, humility, dedication and missionary spirit to raise Khalsa College to the present status of a premier educational institution.

The College campus covers an area of over 300 acres and provides latest facilities for higher education. The college has been taking lead in starting new courses in humanities, agriculture and science up to post graduate levels. Presently, the college is running post graduate classes in Agriculture, Agronomy, Botany, Chemistry, Computer Science, Economics, English, Horticulture, Mathematics, Physics, Political Science, Punjabi and Zoology. Besides these, the college is offering job oriented courses in Biotechnology, Computer Science & Information Technology, Commerce, Economics, Food Science and Physiotherapy.

## ABOUT THE WORKSHOP

The Indian Association of Nuclear Chemists and Allied Scientists (IANCAS) whose Headquarter is at Radiochemistry Division of BARC was founded in 1981. It is actively engaged in promoting teaching and research in the area of Radiochemistry and applications of Radio Isotopes among the academic community all over the India. This is achieved by organizing workshops funded by Board of Research in Nuclear Sciences (BRNS), Department of Atomic Energy (DAE), in the various universities and colleges of the country. This workshop will provide a forum for mutual interactions among faculty members and some Scientists from BARC. Technical program of this workshop will consist of lectures in the morning session and practicals in the afternoon session on the below mentioned topics. Eminent Scientists from BARC and some teachers from Indian Universities will be the Resource Persons for this workshop. They will deliver Lectures and conduct Practical for the participants of the workshop. The purpose of the present workshop is to popularize the subject of Nuclear Sciences among Indian Colleges and Universities.

## ABOUT HOLY CITY AMRITSAR

The city of Amritsar is only 27 km from the international border with Pakistan. The city was founded by the fourth Guru of Sikhs Shri Guru Ramdas Ji in 1577; in his desire to create a central place of pilgrimage. The town was named Amritsar which is a combination of two words; Amrit, 'Nectar', and the 'pool', which means 'Pool of Nectar'. Amritsar is a flourishing industrial town and the premier emporium of Northern India. It has a rich cultural heritage of more than four centuries and is a living symbol of historical traditions of Punjabis. Amritsar is a famous tourist attraction due to the historic Harimandir Sahib (Golden Temple), Jallianwala Bagh, Durgiana Temple and of course the Khalsa College, Amritsar.

## CALL FOR PARTICIPATION

Applications are invited in the enclosed 'Participation Form' from corporate/industry persons, faculty/scientists, research scholars and students in the relevant areas like Nuclear Science and Technology, Chemistry, Physics, Bioscience / Biotechnology, Health Science, Pharmaceutical Sciences, Engineering Sciences etc. The scanned copy of duly filled Participation form (enclosed or its photocopy) should be sent via E-mail only at [nsar2022@khalsacollege.edu.in](mailto:nsar2022@khalsacollege.edu.in) till April 30, 2022. Selection of participants will be done on the basis of first come first basis. Selected participants will be informed through e-mail.



## TOPICS TO BE DISCUSSED

1. Introduction to Radioactivity
2. Nuclear Structure and Stability
3. Interaction of Radiation with matter
4. Radiation Detection and Measurement
5. Solid State Nuclear Track Detectors
6. Nuclear Reactors
7. Radioisotopes in Bio-Sciences
8. Radioisotopes in Physical and Chemical Sciences
9. Radioisotopes in Agriculture and Food Irradiation
10. Health and Safety

## PRACTICALS

Practicals will be conducted using Nuclear Instruments GM Counter, NaI(Tl) Detector and Solid State Nuclear Track Detectors.

## PARTICIPATION FEE

<b>Corporate/Industry Participants</b>	Rs.2500/-
<b>Faculty/Scientists</b>	Rs.2500/-
<b>Research Scholars/Students</b>	Rs.2000/-
<b>Accompanying Person</b>	Rs.2000/-

\* Participation fee includes lunch and high tea only.

**Mode of payment:** Cash/ Demand Draft.

Demand draft in favour of Principal, Khalsa College Amritsar payable at Amritsar must be sent to the Organizing Secretary.

## IANCAS OFFICE BEARERS

### Patron

**Dr. Anil Kakodkar,**  
Ex-Chairman, AEC & Secretary, DAE, Mumbai

### President

**Dr. P.K. Pujari,**  
Director, RC& I Group, BARC, Mumbai

### Vice-Presidents

**Dr. S. Kannan**  
Associate Director, RC& I Group, FCD, BARC, Mumbai

### Dr. G.A. Rama Rao

GITAM University, Hyderabad

### Secretary

**Dr. S. A. Ansari,**  
RCD, BARC, Mumbai