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National Seminar on

Advances in Societal Applications of Radiation ASAR 2026

19th -20th November 2026



Organized by



**Mar Athanasius College (Autonomous),
Kothamangalam, Kerala, India**

In association with



**National Association for Applications of
Radioisotopes and Radiation in Industry
(NAARRI), Mumbai**

About The Seminar

Radioisotopes and radiation technology have been playing a vital role in advancing excellence across diverse fields such as industry, agriculture, healthcare, food preservation, isotope hydrology, and environmental remediation. The applications of radiation technology have contributed to improved product quality, efficient process control techniques, and environmentally friendly energy solutions for industrial processing. Over the past five decades, remarkable progress has been achieved in various aspects of radioisotope production and radiation technology programmes. Radioisotopes are produced using nuclear reactors and accelerators, while electron beam accelerators are increasingly being utilized for a wide range of applications. Today, it is possible to design, develop, and commercially operate irradiators based on radioactive Cobalt-60 sources or electron beam machines for food preservation, municipal waste hygienization, water treatment, and other environmental applications. The demand for radioisotopes in medical and industrial sectors continues to grow steadily. Recent advancements in therapeutic and diagnostic radiopharmaceuticals have significantly enhanced the demand for these radionuclides. Likewise, industrial non-destructive testing (NDT) and radiotracer technologies have witnessed substantial progress. Conventional NDT methods based on chemical film industrial radiography are gradually being replaced by computed radiography, digital radiography, and computed tomography techniques. Recognizing these significant advancements in the applications of radioisotopes and radiation technologies, Mar Athanasius College (Autonomous) and National Association for Application of Radioisotopes and Radiation in Industry are jointly organizing a two-day National Seminar on November 19th–20th, 2026. The seminar aims to provide a common platform for academicians, professionals, scientists, research scholars, and technocrats to engage in fruitful deliberations and interactions, while updating themselves on the latest developments in the field.

About the College

Mar Athanasius College (Autonomous), established in 1955, is a distinguished institution renowned for its academic excellence and commitment to holistic education. Affiliated with Mahatma Gandhi University, Kottayam, the college offers a diverse range of academic programs, including 18 undergraduate, 17 postgraduate, One Integrated PG, and 7 doctoral programs. The college is consistently ranked among the top 100 institutions in India as per the National Institutional Ranking Framework (NIRF). The college is the first institution in Kerala to be accredited and re-accredited at 'A' Grade by the National Assessment and Accreditation Council (NAAC). Recognising the contributions, the college was honoured with the distinction "College with Potential for Excellence" by the University Grants Commission (UGC) in 2009.

National Association for Applications of Radioisotopes and Radiation in Industry (NAARRI), Mumbai

NAARRI is a professional body founded in 1976, since its inception, NAARRI has been striving to provide an effective interface between the Department of Atomic Energy (DAE) and users of radiation technology. To achieve its objectives, NAARRI has been organizing National and International conferences, seminars, symposia, workshops, training courses and public awareness programmes aimed at dispelling the apprehensions and unfounded fears about radiation. Its flagship event, NICSTAR, has become a premier global platform. The recently concluded NICSTAR-2026 in Mumbai, themed "Radiation Applications: Diverse, Mature and Sustainable," convened scientists, technocrats, regulators, and industry leaders to chart future pathways in healthcare and beyond. It also, on a regular basis publishes Newsletters, thematic bulletins, and other relevant publications in the field.

Proposed Key Areas are

- Radioisotope Production
- Radiation Detectors and Measurement Techniques
- Radiopharmaceuticals and Targeted Radionuclide Therapy (including cancer diagnosis and treatment)
- Industrial Applications of Radioisotopes (NDT, quality control, process monitoring)

- Industrial Applications of Radioisotopes (NDT, quality control, process monitoring)
- Food and Agricultural Applications of Radiation (food preservation, pest control, crop improvement)
- Safety and Regulatory Aspects (radiation protection, handling protocols, compliance)
- Nanomedicine
- Radioisotopes in environmental monitoring (Tracing pollution and contaminants)
- Nanotechnology using radioisotopes

About the Venue

Mar Athanasius College is situated approximately 32 km from Cochin International Airport, Nedumbassery, and Munnar, one of Kerala's most popular tourist destinations, is located about 80 km from the college.

Call for Abstract

Participants are requested to submit their abstract as soft copy in MS Word format in the following template using the registration link,

Web page link: <https://www.macollege.ac.in/ASAR-2026>

Link to register:

<https://forms.gle/7GzphV3c8G6EijVw5>

Title of the Paper (In Bold)

First Author, Second Author, Third Author, and Corresponding Author*
(Presenting author should be underlined)

Affiliations

Maximum 250 words, Times New Roman, Regular, 12 Font, 1.5 Spacing, Justify

Keywords: Maximum Five Keywords separated by Semicolon (;),

Corresponding Author e-mail ID:

Contact No.:

Important Dates

Registration: October 20, 2026

Submission of Abstracts: October 25, 2026

Registration Fee:

Students: Rs. 500/-

Faculty & Research Scholars: Rs. 1000/-

Industry: Rs. 2000/-

Souvenir-Cum-Book of Abstracts

A Souvenir & Abstract Book will be published and released at the inaugural function of the seminar

Advertisement Charges (GST and Bank Charges are extra)

Back Cover Rs. 40,000/-

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