



AMRITA
VISHWA VIDYAPEETHAM
DEEMED TO BE UNIVERSITY UNDER SECTION 3 OF UGC ACT, 1956
KOCHI CAMPUS



Mādhava to Modernity: An International Symposium on **Indian Knowledge Systems (IKS)** in Physical Sciences, Mathematics and Astronomy

29th – 30th JANUARY 2026

Organised by

Indian Knowledge Systems (IKS)

Research Centre for Mathematical, Physical and Astronomical Sciences
Amrita Vishwa Vidyapeetham, Kochi Campus

Amrita Vishwa Vidyapeetham, Kochi Campus

Amrita Vishwa Vidyapeetham is a multi-campus university committed to delivering exceptional quality education that seamlessly integrates modern advancements with strong human values. Recognized among the top research universities in India by reputed international ranking organizations, the University is headquartered in Coimbatore and with a network of ten campuses located in Amaravati, Amritapuri, Bengaluru, Chennai, Coimbatore, Kochi, Mysuru, Nagercoil, NCR Delhi (Faridabad), and Haridwar.

The Amrita Vishwa Vidyapeetham, Kochi Campus, is located within the serene and picturesque Brahmasthanam Temple complex along NH-17 near Edappally, Kochi. Nestled in an environment rich in biodiversity, the campus is equipped with state-of-the-art infrastructure, highly qualified and dedicated faculty, and a well-organized administrative system. The campus has different schools, School of Physical Sciences, School of Arts, Humanities, Visual Media, Commerce, and School of Computing which offers Ph.D., Undergraduate and Graduate programmes in Mathematics, Physics, Visual Media & Communication, Commerce & Management, English Language & Literature, and Computer Science & IT.

IKS Research Centre for Mathematical, Physical and Astronomical Sciences

India's rich intellectual legacy in mathematics, physics, and astronomy forms one of the most profound chapters in the global history of science. The IKS Centre for Mathematical, Physical and Astronomical Studies has been established with a vision to bridge ancient Indian scientific wisdom with contemporary research methodologies, ensuring that traditional knowledge continues to inspire and inform modern science.

Programme Schedule

DAY 1

09.00 a.m.- 09.30 a.m.	Registration	
09.30 a.m. - 10.15 a.m. <i>Auditorium</i>	Inaugural Session	Chief Guest: Prof. K. Ramasubramanian <i>Professor-in-Charge, Centre for Traditional Indian Knowledge and Skills, IIT Bombay</i>
10.15 a.m. - 10.20 a.m.	Tea Break	
10.20 a.m. - 11.30 a.m. <i>Auditorium</i>	Session I	Prof. K. Ramasubramanian <i>Professor-in-Charge, Centre for Traditional Indian Knowledge and Skills, IIT Bombay</i>
11.30 a.m. - 12.30 p.m. <i>Auditorium</i>	Session II	Dr. V. Ramanathan <i>Associate Professor Department of Chemistry & Coordinator , IKS Center of Excellence IIT(BHU) Varanasi</i>
<i>Saraswathi Hall</i>	Paper Presentation	(Parallel)
12.30 p.m. - 1.30 p.m.	Lunch Break	
01.30 p.m. - 02.15 p.m. <i>Auditorium</i>	Session III	Shri. Kanippayyur Krishnan Namboodiripad <i>Dean Vasthuvidya Gurukulam Govt of Kerala</i>
02.15 p.m. - 03.00 p.m. <i>Auditorium</i>	Session IV	Dr. M. V. Natesan <i>Rtd. Professor, SSUS, Kalady & Member of Bharatiya Bhasha Samiti Ministry of Education</i>
02.15 p.m. - 03.00 p.m. <i>Saraswathi Hall</i>	Session V	Prof. Eva Orthmann <i>University of Göttingen Germany</i>
03.00 p.m. - 03.15 p.m.	Tea Break	
03.15 p.m. - 04.00 p.m. <i>Amriteswary Hall</i>	Session VI	Prof. M. S. Sriram <i>Former Professor, Theoretical Physics, University of Madras</i>
<i>Saraswathi Hall</i>	Paper Presentation	(Parallel)

Programme Schedule

DAY 2

9.30 a.m. - 10.30 a.m.

Amriteswary Hall

Session VII

Prof. N. K. Sundareswaran

Rtd. Professor

University of Calicut

(Parallel)

10.30 a.m. - 11.15 a.m.

CIR Conference Hall

Paper Presentation

10.45 a.m. - 11.00 a.m.

Tea Break

11.00 a.m. - 12.00 p.m.

Saraswathi Hall

Session VIII

Prof. M.D. Srinivas

(Padmashri Awardee)

Former Professor of Theoretical

Physics,

University of Madras

11.15 a.m. - 12.30 p.m.

Amriteswary Hall

Panel Discussion

Moderator:

Dr. U. Krishnakumar

Dean & Director,

Amrita Vishwa Vidyapeetham,

Kochi Campus

Expert 1:

Dr. Rajasekhar P. Vaikom

Researcher in Kerala School of Mathematics,

Structural Design Engineer &

Former Chief Engineer, FACT, Kochi

Expert 2:

Prof. N. K. Sundareswaran

Rtd. Professor

University of Calicut

Expert 3:

Dr. V. Siva Kumar

Dept. of Research & International Programs,

Course Director- Indian Philosophy,

Amrita Institute of Medical Sciences,

Kochi

12.30 p.m. - 01.30 p.m.

Lunch Break

01.00 p.m. - 04.00 p.m.

Auditorium

All India Quiz

Competition

Lead by 'The Quiz Man'

Shri. Snehaj Srinivas

03.30 p.m. - 4.15 p.m.

Saraswathi Hall

Session IX

Prof. Roy Wagner

Professor for History & Philosophy

of Mathematical Sciences,

ETH Zürich, Switzerland

04.00 p.m. - 04.15 p.m.

Tea Break

04.15 p.m. - 05.00 p.m.

Amriteswary Hall

Valedictory

Function

Guest of Honour:

Prof. P. V. Viswanathan Namboothiri

Rtd. Professor of Sanskrit

Baselios College, Kottayam

Resource Persons



Prof. K. Ramasubramanian
*Professor-in-Charge,
Centre for Traditional Indian Knowledge and
Skills, IIT Bombay*



Dr. V. Ramanathan
*Associate Professor, Department of Chemistry &
Coordinator, IKS Center of Excellence
IIT(BHU) Varanasi*



**Shri. Kanippayyur Krishnan
Namboodiripad**
*Dean, Vasthuvidya Gurukulam
Govt of Kerala*



Prof. M. V Natesan
*Rtd. Professor, SSUS, Kalady &
Member of Bharatiya Bhasha Samiti
Ministry of Education*



Prof. Eva Orthmann
*Professor
University of Göttingen, Germany*



Prof. M. S. Sriram
*Former Professor, Theoretical Physics,
University of Madras*



Prof. N. K. Sundareswaran
*Rtd. Professor
University of Calicut*



Prof. M. D. Srinivas
*Former Professor of Theoretical Physics
University of Madras*



Dr. U. Krishnakumar
*Dean & Director
Amrita Vishwa Vidyapeetham, Kochi Campus*



Dr. Rajasekhar P. Vaikom
*Researcher in Kerala School of Mathematics
Structural Design Engineer & Former Chief Engineer,
FACT, Kochi*



Dr. V. Siva Kumar

*Dept. of Research & International Programs,
Course Director- Indian Philosophy
Amrita Institute of Medical Sciences, Kochi*



Prof. Roy Wagner

*Professor for History & Philosophy
of Mathematical Sciences,
ETH Zürich, Switzerland*



Prof. P. V. Viswanathan Namboothiri

*Rtd. Professor of Sanskrit
Baselios College, Kottayam*



Dr. P. Rammanohar

*IKS Research Centre of excellence,
Amritapuri Campus*



Shri. Snehaj Srinivas

(The Quiz Man)



Registration Deadlines


Last date : 26th Jan 2026

No Registration Fee

The Indian Knowledge Systems (IKS) Research Centre for Mathematical, Physical and Astronomical Sciences at Amrita Vishwa Vidyapeetham, Kochi Campus, was established in March 2025. The Centre primarily focuses on the Kerala School of Mathematics and Astronomy, a distinguished intellectual tradition that flourished between the 14th and 16th centuries. Founded by Sangamagrama Madhava, this school laid the groundwork for several fundamental concepts in calculus, trigonometry, and astronomical computation-centuries before their formal development in the West. The Centre promotes in depth research on ancient Indian Mathematical and Astronomical texts, with a special focus on the rich intellectual traditions of Kerala. Its activities include manuscript translation, preservation, and the study of traditional computational techniques. It aims to bridge classical knowledge with contemporary scientific research, fostering a deeper understanding of India's rich scientific heritage.

Objective of the Event

The symposium aims to bring together national and international scholars to explore the scientific heritage of the Kerala School of Mathematics, Astronomy, and Physical Sciences, and its connections to contemporary research.



The Indian Knowledge Systems (IKS) Research Centre for Mathematical, Physical and Astronomical Sciences at Amrita Vishwa Vidyapeetham, Kochi Campus, was established in March 2025. The Centre primarily focuses on the Kerala School of Mathematics and Astronomy, a distinguished intellectual tradition that flourished between the 14th and 16th centuries. Founded by Sangamagrama Madhava, this school laid the groundwork for several fundamental concepts in calculus, trigonometry, and astronomical computation-centuries before their formal development in the West. The Centre promotes in depth research on ancient Indian Mathematical and Astronomical texts, with a special focus on the rich intellectual traditions of Kerala. Its activities include manuscript translation, preservation, and the study of traditional computational techniques. It aims to bridge classical knowledge with contemporary scientific research, fostering a deeper understanding of India's rich scientific heritage.

Objective of the Event

The symposium aims to bring together national and international scholars to explore the scientific heritage of the Kerala School of Mathematics, Astronomy, and Physical Sciences, and its connections to contemporary research.

A collage of hexagonal tiles arranged in a honeycomb pattern. Each tile contains a different image representing various facets of Indian knowledge systems. The images include: a silhouette of a person in a meditative yoga pose; a historical illustration of a scholar teaching students; a portrait of a man surrounded by celestial bodies like planets and moons; a large wooden water wheel; a landscape with a waterfall; a colorful board game resembling Carrom or Pachisi; a rural scene with people working in a field; a close-up of musical instruments like tabla and mridangam; a bowl of food; a circular diagram with intricate patterns; a person performing a physical feat or dance move; and a group of people in traditional attire.

The Indian Knowledge Systems (IKS) Research Centre for Mathematical, Physical and Astronomical Sciences at Amrita Vishwa Vidyapeetham, Kochi Campus, was established in March 2025. The Centre primarily focuses on the Kerala School of Mathematics and Astronomy, a distinguished intellectual tradition that flourished between the 14th and 16th centuries. Founded by Sangamagrama Madhava, this school laid the groundwork for several fundamental concepts in calculus, trigonometry, and astronomical computation—centuries before their formal development in the West. The Centre promotes in-depth research on ancient Indian Mathematical and Astronomical texts, with a special focus on the rich intellectual traditions of Kerala. Its activities include manuscript translation, preservation, and the study of traditional computational techniques. It aims to bridge classical knowledge with contemporary scientific research, fostering a deeper understanding of India's rich scientific heritage.

Objective of the Event

The symposium aims to bring together national and international scholars to explore the scientific heritage of the Kerala School of Mathematics, Astronomy, and Physical Sciences, and its connections to contemporary research.

A collage of hexagonal tiles arranged in a honeycomb pattern. Each tile contains a different image representing various facets of Indian knowledge systems. The images include: a silhouette of a person in a meditative yoga pose; a historical illustration of a scholar teaching students under a tree; a portrait of a man surrounded by celestial bodies like planets and moons; a large wooden water wheel; a landscape with a waterfall; a colorful board game resembling Carrom or Pachisi; a rural scene with people working in a field; a close-up of musical instruments like tabla drums; a bowl of food; a circular diagram with intricate patterns; and a person performing a physical feat, possibly a dance move or acrobatics.

Organising Team

Convener

Dr. K. Sreekanth

Principal Investigator (PI)

IKS Research Centre for
Mathematical, Physical and
Astronomical Sciences
Amrita Vishwa Vidyapeetham
Kochi Campus

Joint Convener

Dr. U. Krishnakumar

Co-PI

Dean & Director,
Amrita Vishwa Vidyapeetham,
Kochi Campus

Coordinators

Shri. V. Jyothish Mayi

Assistant Professor & Head,
Department of Cultural
Education and India Studies

Dr. Sreedevi R. Mohan

Assistant Professor & Head,
Department of Sciences

Joint Coordinators

Smt. Deepthy S. Nair

Assistant Professor,
Department of Sciences

Ms. Manoranjini T. R

Research Assistant,
IKS Research Centre

Amrita Vishwa Vidyapeetham, Kochi Campus

Brahmasthanam, Edappally North P.O.,

Kochi, Kerala, 682 024.

Phone: 0484-7102899



For More Information Contact:

Dr. K. Sreekanth | ikskochi@kh.amrita.edu | 8547619314