MAR IVANIOS COLLEGE
(AUTONOMOUS)
THIRUVANANTHAPURAM - 15

Science Popularisation Programme 2026

Hands-on science for the curious mind

May 5 - 9, 2026

Classes X, XI & XII

PARTICIPATING DEPARTMENTS

BOTANY | BIOTECHNOLOGY | CHEMISTRY | PHYSICS | ZOOLOGY

ABOUT THE PROGRAMME

Science, at its heart, is not a collection of facts to be memorised - it is a way of seeing the world, asking questions, and finding answers through observation and experiment.

Organised by the Departments of Botany, Biotechnology, Chemistry, Physics, and Zoology, this programme invites school students of Classes X, XI, and XII to step beyond the classroom and into the heart of scientific practice. Students will move from understanding concepts to actually working with them - observing, experimenting, questioning, and discovering in real laboratory environments under the guidance of experienced faculty and researchers.

Why this programme? The gap between what students learn in theory and what science actually looks like in practice is one of the most significant barriers to nurturing genuine scientific curiosity. This programme exists to bridge that gap - to give students not just knowledge, but experience; not just answers, but the confidence to ask better questions.

WHAT TO EXPECT?

An engaging introductory talk followed by hands-on practical sessions — every participant gets real time at the bench, not just watching, but doing.

WHO IS IT FOR?

School students of Classes 10, 11 & 12 with a curiosity for science. No prior lab experience needed - just enthusiasm and a willingness to explore.

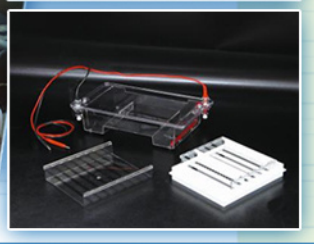
"That every student who walks into these laboratories walks out a little more curious, a little more confident, and a little more in love with science that helps us understand the world." - Our hope for every participant

REGISTRATION FEE:
₹ 2,000

9:30 AM – 4:00 PM
Lunch provided
Tea / refreshments included
Participation certificate will be issued
Contact numbers : 9847172375, 9884347427
9497004756,9495379161

SPECIALIZED SESSIONS

Physics



S1	Opportunities in Physics	Talk
S2	Newton's Rings	Practical
S3	Hydrogen Spectrum	Practical
S4	Lorentz Force	Practical
S5	Waves In Action	Practical
S6	Diodes and Transistors	Practical

Chemistry

S1	Opportunities in Chemistry	Talk
S2	Navigating the Chemistry Laboratory: Instruments & their uses	Practical
S3	Unmasking Molecular Secrets: Spectroscopy	Practical
S4	The Art of Separation: Chromatography	Practical
S5	Chemistry in Action: Synthesis of Compounds	Practical

Botany

S1	Opportunities in Plant Sciences	Talk
S2	Observation of Stomata	Practical
S3	Floral Dissection Workshop	Practical
S4	Vegetative propagation — layering technique	Practical

Biotechnology

S1	Opportunities in Biotechnology	Talk
S2	Navigating the Biotechnology Laboratory: Instruments & their uses	Practical
S3	Motility of Bacteria — Hanging Drop Experiment	Practical
S4	Restriction Digestion of Plasmid DNA	Practical
S5	Agarose Gel Electrophoresis and Visualisation of DNA	Practical

Zoology

S1	Opportunities in Animal Sciences	Talk
S2	From gut to grid: Decoding food chain through gut content analysis	Practical
S3	Crack The Code: Exploring animal diversity	Practical

Science Popularisation Programme 2026

Organising Committee

PATRON AND MANAGER
HIS BEATITUDE MORAN MOR BASELIOS CARDINAL CLEEMIS

BURSAR : **Rev. Fr. Thomas Kayyalackal**

PRINCIPAL : **Prof. Dr. Meera George**

CONVENORS :

Dr John Jacob, Associate Professor & HOD, Physics
Dr Suja Mathai, Associate Professor & HOD, Chemistry
Dr Bindu Alex, Associate Professor & HOD, Botany
Dr Lini N, HOD, Assistant Professor & HOD, Biotechnology
Dr Suboj Babykutty, Associate Professor & HOD, Zoology

COORDINATORS :

Dr Deepthy Alex , Associate Professor, Biotechnology & IQAC Coordinator

Dr Mathew C.T, Assistant Professor, Physics
Dr Rajesh S, Assistant Professor, Physics
Dr Binimol Mary Mathew, Assistant Professor, Chemistry
Dr. Rabin Rajan, Assistant Professor, Chemistry
Dr Rejitha L.R, Associate Professor, Botany
Dr Kavitha C.H, Associate Professor, Botany
Dr Mary Sheeba A , Assistant Professor,Botany
Dr Meenu R.M , Assistant Professor, Botany
Dr Rinju R, Assistant Professor, Biochemistry
Dr Anupriya Samuel,Assistant Professor, Zoology
Dr Sneha Chandran B K, Assistant Professor, Zoology
Ms Resmy Sally Koshy, Assistant Professor, English, IQAC
Mr. Juby John Eipe, Assistant Professor, Journalism, IQAC
Dr Beenamol T, Librarian, IQAC

REGISTRATION FEE:
₹ 2,000

CLICK & REGISTER

Contact us:
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