

Celebrating Science

Science Lecture Series

2022



Government of Goa
Directorate of Higher Education

State Higher Education Council
Directorate of Higher Education
Government of Goa

SCIENCE LECTURE SERIES 2022

Exchange of knowledge is imperative for both the teachers and learners to upholds life-long learning. With an objective to provide the youth of Goa the opportunities to enhance their versa of knowledge and to interact with leading intellectuals across the State of Goa, the State Higher Education Council (SHEC) at Directorate of Higher Education (Govt. of Goa) made a maiden attempt to institute the "*Goa Science Lecture Series 2022*" to bring in prominent faculty & scientists who can inspire the postgraduate, undergraduate, and Higher Secondary Schools students of various disciplines and serve as role models in various spheres of education and careers.

Thus, the ever first SHEC's ten days long Science Lecture Series was organised in collaboration with all the Science Colleges in Goa from 07 March to 16 March, 2022 to create an appropriate platform for the students to update their knowledge and keep abreast with the modern developments in various fields of Science and Technology across the world.

The lectures were delivered by accomplished experts and academicians working at various Science Colleges in Goa, Goa University, the State Higher Education Council, and Scientists from CSIR-National Institute of Oceanography (CSIR-NIO) who have achieved pre-eminence in the fields of Science and Technology, followed by interactive sessions. Students from various disciplines including Arts, Science, Commerce, and Education attended the lecture series, who otherwise have rare opportunities to listen to experts in various domains of Sciences and technology. Based on the feedback received from the resource person, audience and the host institutions, this even had overwhelming response, and we intend to continue the Science Lecture Series on a much bigger scale in the coming years.

Science Lecture Series 2022 Gallery

Monday 7 March, 2022



Title: Universe And Us

Resource person: Prof Vithal Tilvi,

Goa State Higher Education Council, Directorate of Higher Education, Goa

Venue: Sant Sohrobanath Ambiye Govt. College Pernem Goa

Tuesday 8 March, 2022



Title: Bitcoin Cryptocurrency And Blockchain. What's The Buzz?

Resource person: Dr Mahadev Gawas

Goa State Higher Education Council, Directorate of Higher Education, Goa

Venue: DMs College Assagao Goa



Title: Machine Learning in everyday life

Resource person: Ms Vandana Naik

Goa State Higher Education Council, Directorate of Higher Education, Goa

Venue: St. Xaviers College Mapusa



Title: Exploring Fungal Diversity For Its Immense Potential

Resource person: Dr Maria A. D' Souza

St. Xaviers College, Mapusa

Venue: Goa College of Home Science, Campal Panaji



Title: Remote Sensing

Resource person: Dr Sanjay Gaikwad

Smt. Parvatibai Chowgule College, Margao

Venue: Govt. College of Commerce, Borda Margao

Wednesday 9 March, 2022



Title: Scientific Research & Development for National Progression

Resource person: Dr Hari Kadam
Goa University

Venue: Shree Mallikarjun & Chetan Manju Dessai College, Canacona



Title: Microbial Biotechnology in Achieving Sustainable Development Goals

Resource person: Dr Bhakti Salgaonkar
Goa University

Venue: Carmel College of Arts, Science and Commerce for Women, Nuvem



Title: Biological Basis of Memory

Resource person: Ms Nazima Lawrence
Goa College of Hime Science, Goa

Venue: Goa College of Music, Altinho, Panaji Goa



Title: Science & Technology in healthcare

Resource person: Prof Niyan Marchon
Goa State Higher Education Council, Directorate of Higher Education, Goa

Venue: St. Joseph Vaz College, Cortalim Goa



Title: Water Pollution

Resource person: Dr. Manoj Ibrampurkar
Dhempe College of Arts & Science, Miramar.

Venue: Fr. Agnel College of Arts & Commerce, Pillar-Goa



Title: Development of X-rays: Biomedical imaging to crystallography

Resource person: Dr. Sudesh Morajkar
HPSM' s Ganpat Parsekar College of Education, Harmal

Venue: Dempo College of Commerce & Economics, Cujira, Bambolim



Title: Science and Technology: Making our life easier and happier?

Resource person: Dr Rajesh Parvatkar

Govt. College Sanquelim

Venue: Narayan Zantye College of Commerce, Bicholim



Title: Sustainable solutions by microbiology in the 21st century

Resource person: Dr Marielou Ferrao

St. Xaviers College Mapusa

Venue: V.M.Salgaoocar College of Law Miramar-Panjim-Goa



Title: Smart Agriculture and Sustainable living

Resource person: Mr Sunoj Raikar

DM' s College and Research Centre Assagao

Venue: S.V's Sridora Caculo College of Commerce & Management Studies, Mapusa



Title: Catalysis For Sustainable Development

Resource person: Dr Sachin Kakodkar

Smt. Parvatibai Chowgule College, Margao

Venue: G.R. Kare College of Law, Comba, Margao-Goa



Title: Georeferencing using Android Applications

Resource person: Anil Karambelkar

Govt. College Sanquelim

Venue: Nirmala Institute of Education, Altinho, Panaji-Goa



Title: The Human Response to Climate

Resource person: Dr Bhanumati Pilli

Smt. Parvatibai Chowgule College, Margao

Venue: VVM's Shree Damodar College of Commerce and Economics, Margao



Title: Battery And Society

Resource person: Dr G. K. Naik

Smt. Parvatibai Chowgule College, Margao

Venue: Murgaon Education Society's College of Arts & Commerce, Zuarinagar



Title: Nanotechnology for Better Tomorrow

Resource person: Dr Sheryanne Velho Pereira

St. Xaviers College, Mapusa

Venue: Dhempe College of Arts & Science, Miramar, Panaji - Goa

Thursday 10 March, 2022



Title: Microbial technology for a sustainable future

Resource person: Dr Milind Naik

Goa University

Venue: HPSM's Ganpat Parsekar College of Education, Harmal – Goa



Title: Physics! A Must For Everyone?

Resource person: Mr Sanjay Jahagirdar

Govt. College, Sanquelim

Venue: G.V.M's Dr. Dada Vaidya College of Education, Ponda-Goa



Title: Role of denitrifying bacteria in petroleum bioremediation

Resource person: Dr Trelita de Souza

St. Xaviers College, Mapusa

Venue: Vidya Prabodhini College Vidya Nagar, Parvari – Goa



Title: Fascinating world of fungi

Resource person: Dr. Ashish Prabhugaonkar

Dhempe College of Arts & Science, Miramar

Venue: Rosary College of Arts & Commerce, Navelim



Title: Chemistry in Day-to-Day Life

Resource person: Dr. Pratibha Bakre

Govt. College, Khandola

Venue: GVM's College of Commerce & Economics, Farmagudi, Ponda -Goa



Title: Metals in human body: Their Natural Sources and Role

Resource person: Dr Prajyoti GaunsDessai

Govt. College, Quepem

Venue: Cuncolim Education Society's College of Arts & Commerce, Cuncolim



Title: Fish and fishery resources of Goa

Resource person: Dr Suman Tari

Govt. College, Sanquelim

Venue: P.E.S.'s College of Education, Farmagudi, Ponda-Goa



Title: Biotechnology and its applications

Resource person: Dr. Sapna Gaitonde

Govt. College, Khandola

Venue: Shree S. P. Education Society's Goa Multi- Faculty College,, Dharbandora



Title: Pharmacy Under the Sea: Exploring Nature for Medicine

Resource person: Dr Mahesh Majik

Goa State Higher Education Council, Directorate of Higher Education, Goa

Venue: P.E.S.'s Ravi S. Naik College of Arts & Science, Farmagudi, Ponda

Friday 11 March, 2022



Title: Attaining Sustainability through Microbes

Resource person: Mr. Anchit R. Shet Parkar

PES RSN College, Farmagudi

Venue: Swami Vivekanand Vidya Prasarak Mandal's College of Commerce, Borim



Title: Role of microbial science in creating a sustainable future

Resource person: Dr Gauri Achari

Govt. College, Khandola

Venue: Smt. Parvatibai Chowgule College Margao



Title: Mushroom Cultivation

Resource person: Prof Mehtab Bukari

Govt. College, Quepem

Venue: Don Bosco College of Agriculture, Sulcorna, Quepem -Goa



Title: Past, Present and Future of S & T: Challenges and Opportunities

Resource person: Dr Umesh Gawas

DMs College and Research Centre, Assagao

Venue: Shri Shantadurga Higher Secondary School, Bicholim, Goa



Title: Know Your Medical Equipments

Resource person: Mr Sameer Patil

DMs College and Research Centre, Assagao

Venue: Mandrem College of Commerce and Management, Mandre



Title: Cyber Crimes

Resource person: Mr Amar Naik

Govt. College, Sanquelim

Venue: Government Higher Secondary School, Valpoi, Goa



Title: Role of modern biotechnology in sustainability

Resource person: Ms Anjelica Matias

St. Xaviers College, Mapusa

Venue: Government Higher Secondary School, Sanquelim, Goa



Title: Assisted Reproductive Techniques

Resource person: Dr Suphala Pujari

Govt. College, Sanquelim

Venue: Shri Bhumika Higher Secondary School Parye, Sattari, Goa



Title: Biodiversity and Role of Citizen Scientist

Resource person: Mr Dipak Bowalkar

Shree Mallikarjun College, Cancona

Venue: Rosary Higher secondary School Navelim Goa



Title: Effective Communication

Resource person: Ms. Mitali Bhate

Goa College of Home Science, Panaji

Venue: Dr. K. B. Hedgewar Higher Secondary School, Cujira Bambolim Goa



Title: Mathematics in Our Daily Life

Resource person: Vishal Gawas

Govt. College, Khandola

Venue: Vividha Higher Secondary School Navelim, Sankhalim, Goa



Title: Biodiversity of rice and its conservation

Resource person: Dr. Shilpa Bhonsle

Dhempe College of Arts & Science, Miramar

Venue: P. Vasantrao Dempho Higher Secondary Cujira, Bambolim



Title: Know your Carbon Footprint

Resource person: Dr. Swati Pawar

Dhempe College of Arts & Science, Miramar

Venue: Mustifund Higher Secondary School, Cujira, Bambolim



Title: Careers & Research in Home Science

Resource person: Ms. Larissa Rodrigues

Goa College of Home Science, Panaji

Venue: Vidya Prabhodini Higher Secondary School, Porvorim, Goa



Title: Birds and Birding

Resource person: Ms. Gaitri R. Naik

HPSM Parsekar College of Education, Harmal

Venue: St. Xaviers Higher Secondary School Mapusa, Goa

Saturday 12 March, 2022



Title: Green Chemistry

Resource person: Ms Divya R. Sawant

Shree Mallikarjun College, Canacona

Venue: Damodar Higher Secondary School, Gudi-Paroda, Goa



Title: Environmental Geology

Resource person: Magnolia Miranda

Govt. College, Sanquelim

Venue: Government Higher Secondary School, Khandola, Marcela, Goa



Title: Plant's under metal stress

Resource person: Dr Nisha Kevat

Govt. College, Sanquelim

Venue: D.M's PVS S. M. Kushe Higher Secondary School, Assagao, Goa



Title: Mangroves: Their importance and ecology

Resource person: Ms Vijayalaxmi Kumbar

Shree Mallikarjun College, Canacona

Venue: Carmel Higher Secondary School Nuvem, Goa



Title: Puzzles of Quantum Mechanics and Its Technological Applications

Resource person: Mr Yatin P. Desai

Smt. Parvatibai Chowgule College, Margao

Venue: Shree Damodar Higher Secondary School of Science, Margao



Title: Dietary guidelines for Indians

Resource person: Ms. Varsha Naik

Goa College of Home Science, Panaji

Venue: Father Agnel Multipurpose Higher Secondary School, Agnelganv, Verna, Goa



Title: The Magic of Pollination

Resource person: Ms. Pratiksha Dabolkar

HPSM Parsekar College of Education, Harmal

Venue: Harmal Panchakroshi Higher Secondary School Harmal, Goa



Title: Mathematics in Nature

Resource person: Ms. Winita Rawool

HPSM Parsekar College of Education, Harmal

Venue: Government Higher Secondary School, Pernem, Goa



Title: Special Theory of Relativity

Resource person: Mr. Irshad Shaikh

PES RSN College, Farmagudi

Venue: Shri S. S. Samiti's Higher Secondary School of Science Kavalem, Ponda, Goa



Title: Mathematics in Today's World of Technology

Resource person: Ms. Sanjana Nigalye

PES RSN College, Farmagudi

Venue: P.E.S. Shri Ravi Sitaram Naik's Higher Secondary School, Farmagudi, Ponda, Goa



Title: Science & Technology for Sustainable Development

Resource person: Dr Rajesh Pednekar

DMs College and Research Centre, Assagao

Venue: Walawalkar Higher Secondary School, Mapusa



Title: Are we entirely human?? : Exploring the microbiome

Resource person: Dr. Sushanta Sapte

Govt. College, Khandola

Venue: St. Francis Xavier Higher Secondary School Siolim, Bardez Goa

Monday 14 March, 2022



Resource person: Dr Supriya Tilvi

National Institute of Oceanography, Donapaula

Venue: Government College Arts Science Comm, Khandola



Resource person: Dr Narsinh Thakur

National Institute of Oceanography, Donapaula

Venue: Government College Arts Science Commerce, Sanquelim



Title: BrainTalks

Resource person: Dr. Shanti Dessai

Goa University

Venue: Government College Arts Science Commerce, Quepem



Resource person: Fr. Bolmax Fidelis Pereira

St. Joseph Vaz College, Cortalmim

Venue: Loyola Higher Secondary School Comba, Margao, Goa



Title: Preparation of herbal soaps, herbal mouthwash

Resource person: Ms. Angela Rhalima Serrao

St. Joseph Vaz College, Cortalim

Venue: Vidya Vikas Academy, Margao, Goa



Public astronomy-skywatching events in Pernem Taluka

Organized by
S. S. Ambiye Govt. College Pernem

Picture Gallery



