



National Seminar On
**REACHING THE UNREACHED THROUGH SCIENCE AND
TECHNOLOGY (RURST-2018)**
12th to 14th February 2018

Three day National Seminar on “reaching the unreached through science and technology” Jointly organized by Sree Narayana College, Kollam, Kerala and The Indian Science Congress Association Cochin Chapter. The seminar was sponsored by the department of environment and climate change. The objective of the seminar was to provide platform for discussing the recent developments in science and technology. The seminar provided opportunities for young scientists and researchers for collaboration and networking among institutions for promoting research and developing technologies to the participants.

Inaugural Session

The programme started at 10.00 AM with the prayer song by Ms.Darsana, 1st M.Sc. Chemistry Student. The chief guest Dr.Srinivas IPS, district police chief lighted the lamp in presence of the Principal, Dr.K.Anirudhan, Dr.K V Jayachandran director of research(rtd) and former dean, faculty of fisheries, KUFOS, Kerala and other dignitaries. Dr B Hari IQAC coordinator welcomed the gathering. Dr.K V Jayachandran convenor of Indian

science congress association cochin chapter presided over the function. Dr.K. Anirudhan, Principal, SN College, Kollam gave away the keynote address. In the inaugural address Dr.Srinivas IPS city police commissioner pointed out the necessity of disseminating scientific findings outside the communities that produce, which helps to maintain a vital relationship between researchers and the general public.

Felicitations were offered by Rtd.Professor Geetha Karunakaran, former HOD of Chemistry, Sri. Preemkumar, HOD of English and Harikrishnan student representative of Physics. Dr.S V Manoj in his vote thanks appreciate the organizers of the seminar for taking big effort to bring all the science departments under a single umbrella to discuss about the different aspects of science. He emphasized the need of organizing these types of seminars for making the student community and the public aware about new horizons of science.

Technical Sessions

The first day of the seminar had 4 technical sessions encompassing diverse fields of science and technology. A session was included for oral and poster presentations from research scholars and teachers.

Technical session started with a plenary talk by Dr. D.Rajasenana, Emiretus Professor, Cusat on the topic 'Economics as an analytically coherent and ethically attractive and theoretically valid science- Importance in Science education and research'. Post session includes three plenary talks by Dr.M.Baba, former scientist NCESS on the topic 'climate change adaption through interdisciplinary scientific approach', Dr. G.R.Raveendrakumar senior consultant NCESS on 'Skills in technical writing and science communication', Dr.kVijayakumaran former director general FSI and Principal scientist, CMFRI .on the topic "In search of right incentives and scientific research- An exploration in Indian scientific landscape".

13 February 2018- Field visit

Second day of the seminar was very interesting. A team of students, teachers and resource persons visited beach and Ashtamudi lake.

14 February 2018 -Satellites Seminars 9:30-11:00

Third day involves satellite seminars, oral presentations, key note address and valedictory functions. The five departments conducted discussions and talks separately from 9.30-11am with following subjects and resource person. Botany & Biotechnology arranged a talk on recent advances & current trends in agriculture & agriculture biology with Dr Kamasanan Pillai Principal scientist and coordinator of National azolla programme as resource person.

Under the auspices of Chemistry & Bio Chemistry Dr.T.Sreeja,Asst.Professor,TKMM College, Nagiyarkulangara delivered an invited lecture in “Recent trends in Chemistry”, Dr.K.G.Sreejalakshmi Associate Professor IIST,Trivandrum delivered talk on “Organic material science” .

Dr. Remeshkumar P Assistant Professor in Mathematics, University of Kerala Kariyavattom campus delivered a lecture on Some Problems in Automata Theory.

Physics department organized a talk on “Photoelectron Spectroscopy for Elemental Analysis” in which Dr.V Biju Assistant professor in physics,University of Kerala, Kariavattom as a resource person

Dr Poornima Yadav P I, Assistant Professor ,Krishi Vigyan Kendra,Sadanandapuram,Kollam delivered a talk on Vermicomposting – An Ecofriendly & Sustainable technology for Organic Waste Management under the auspices of department of Zoology.

During the post lunch session, UGC Emeritus Professor Dr.Sarngadharan made a key note address on “Higher education on Kerala”. Panel discussion on “Present education on system in Kerala” is also included as a session. This was followed by valedictory function.This discussions were presided by Dr.K V Jayachandran convenor of Indian science congress association cochin chapter. About 100 participants including students ,teachers and scientists were involved in this session. After the lunch break, the seminar was open for young researchers oral and poster presentation. Twenty researchers, presented their work.

The welcome address for valedictory function was given by Dr.V L Pushpa, General convenor of the seminar. The seminar winded up with the vote of thanks by Dr.B T Sulekha, subject convenor of the national seminar. She thanked the sponsor Department of environment and climate change Govt.of Kerala, the management of the college, Principal, Heads of the departments, resource persons, delegates, faculty members, students, press and media and also to all those helped in organizing the seminar to make it a grand success. The seminar ended at 4.30 pm with National Anthem.

ADVISORY COMMITTEE

Dr. A. K. Saxena, Former General President of Indian Science Congress Association.
Prof. (Dr.) Premendu P Mathur, General Secretary (Scientific affairs), ISCA & Former Vice Chancellor, KJ Somaiya Institute of Technology, Bhubaneswar.
Prof. Gangadhar, General Secretary (Membership Affairs), ISCA.
Prof. (Dr.) K. V. Jayachandran, Director of Research (Rtd) and Former Dean, Faculty of Fisheries, KUFOS, Kerala.
Dr. S. M. A. Shibli, HOD of Chemistry, Kariavattom, University of Kerala.
Dr. I. G. Shibi, Associate Professor (Rtd), S. N. College, Chempazhanthy.
Dr. Lekshmi Varma, Senior Scientist, NIIST, Trivandrum.

ORGANIZING COMMITTEE

Chief Patron: Sri. Vellappally Natesan, Manager, S. N. Colleges.
Patron: Prof. (Dr.) K. V. Jayachandran, Director of Research (Rtd.) and Former Dean, Faculty of Fisheries, KUFOS, Kerala.
Chairman: Dr. K. Anirudhan, Principal, S. N. College, Kollam.
General Convener: Dr. V. L. Pushpa, HOD & Associate Professor, Department of Chemistry & Biochemistry.
Co-ordinators:
Dr. B. Hari, IQAC Co-ordinator & Assistant Professor, Department of Zoology.
Dr. S.V. Manoj, Assistant Professor, Department of Chemistry & Biochemistry.

CONVENERS OF SATELLITE SEMINARS

Dr. B.T. Sulekha, Assistant Professor, Department of Zoology.
Dr. S. V. Manoj, Assistant Professor, Department of Chemistry & Biochemistry.
Sri. S. Srijith, Assistant Professor, Department of Physics.
Ms. Kuleena Das, Assistant Professor, Department of Mathematics.
Dr. Chithra Vijayan, Assistant Professor, Department of Botany & Biotechnology.

EXECUTIVE MEMBERS

Dr. B. Ambili, HOD & Associate Professor, Department of Mathematics.
Dr. G. Sajjeekumar, Associate Professor, Department of Physics.
Dr. S. Sheeba, Assistant Professor, Department of Zoology.
Dr. S. Jisha, Assistant Professor, Department of Zoology.
Dr. M. S. Kiran Raj, Assistant Professor, Department of Botany.
Dr. N. Ratheesh, Assistant Professor, Department of Botany.
Dr. Ambili Raj D. B., Assistant Professor, Department of Chemistry.
Smt. R. Reshma, Assistant Professor, Department of Chemistry.
Dr. S. Vidya, Assistant Professor, Department of Physics.

Dr. K. Anirudhan (Chairman) Prof. (Dr.) K. V. Jayachandran (Patron)
Dr. V. L. Pushpa (General Convener) Dr. B. Hari and Dr. S. V. Manoj (Co-ordinators)
Mob: 8129225858

National Seminar on

REACHING THE UNREACHED THROUGH SCIENCE AND TECHNOLOGY

(RURTST -2018)

FEBRUARY 12-14, 2018

Jointly Organized by

SREE NARAYANA COLLEGE, KOLLAM
(Affiliated to University of Kerala, Re-Accredited with 'A' GRADE)



&
THE INDIAN SCIENCE CONGRESS ASSOCIATION
Cochin Chapter



Co-Sponsored by

DEPARTMENT OF ENVIRONMENT AND CLIMATE CHANGE



ABOUT SREE NARAYANA COLLEGE

Sree Narayana College, Kollam (NAAC accredited with A Grade), started in 1948, is one among the oldest colleges and offering quality education in the state. The College is named after the great Social Reformer, Philosopher and Saint Sree Narayana Guru (1854-1928). The college aims at achieving the high ideals of Guru who exhorted us to 'strive for the welfare of all without any discrimination on the basis of caste, creed or religion'. Today the college offers 17 undergraduate, 14 postgraduate and one P.G. Diploma courses. Eight postgraduate departments are approved research centres of University of Kerala offering Ph. D. programmes. The College is situated on a vast 27 acres campus by the side of NH-47 in the heart of Kollam city, on the eastern part of the Lal Bahadur stadium, about a kilometre away from Kollam Railway Station.

ABOUT THE INDIAN SCIENCE CONGRESS ASSOCIATION, COCHIN CHAPTER

The Indian Science Congress Association (ISCA) has its headquarters in Kolkata, owes its origin to the foresight and initiative of two British Chemists, namely, Prof. J. L. Simonsen and Prof. P. S. MacMahon, in 1914. It is a professional organization under Ministry of Science and Technology, Government of India. It comprises various educationalists, mentors, facilitators, college faculty, students, researchers who are committed to the advancement of Science. One of the major objectives of the ISCA is to inculcate the scientific temper among the people and to encourage young scientists to grow up steadily in this direction involving them in the programmes relevant to fundamental, experimental and operational activities. With these objectives in view, ISCA approved the establishment of Cochin Chapter during 2015-16 in the state under the convenership of Prof. (Dr.) K.V. Jayachandran. The chapter is organizing various programmes and the current national conference is part of this.

ABOUT THE SEMINAR

During recent times world is witnessing rapid advancement in Science through Research and Development. India also strides along this line. It is of paramount importance to translate the new advancement in research into pragmatic utilization by man. The major objective of the National seminar is to bring together academicians, scientists, research scholars, environmentalists, students and common man from various disciplines in a common platform for the effective deliberations, interactive discussions and updating the research advancements so as to effectively utilize the technologies developed for human welfare. With this background the themes have been formulated so as to support the concept of "Science for the Benefits of All". The major concept is Reaching the Unreached Through Science and Technology (RURTST-2018), scheduled during February 12-14, 2018. There are four key note talks of cardinal importance as well as satellite seminars in five departments simultaneously, namely, Chemistry & Biochemistry, Physics, Mathematics, Zoology and Botany & Biotechnology with invited and contributory presentations. We solicit the participation of all our sister concerns for your active participation and make the event a great success.

TOPICS

Importance of Economics in Science Education and Research.
Climate Change Mitigation Through Interdisciplinary Scientific Approach.
Skills in Technical Writing and Science Communication.
Material Science.
Nano Science.
Recent Trends in Mathematics.
Current Scenario of Waste Management.
Recent Advances and Current Trends in Plant Science and Technology Research.

SUBMISSION OF ABSTRACT AND MANUSCRIPT

The full paper may be submitted in MS Word format, font-Times New Roman 12, with line spacing 1.5. The full paper consists of a title (brief) in bold non-capital letters, centralize in font size 14, followed by author's in bold non-capital letters in font size 12 centralize and affiliation with e-mail ID in font size 10 not bold and centralize. Abstract should be included in the full paper. It is requested to submit the full paper to the convener of the seminar via email: seminarsnck@gmail.com on or before 30th January 2018. It is intending to publish papers in UGC approved peer reviewed journals on cost basis. Awards will be given for the best paper presentations.

Poster Presentation

The posters preferably in papers should be of 90cm (width) X 120 cm (height). (Flex may be avoided as far as possible).

REGISTRATION FEE

Students: Rs.100/-
Research Scholars: Rs. 150/-
Faculty Members: Rs. 300/-

IMPORTANT DAYS

Last date for submission of abstracts : 30-01-2018
Acceptance Notification: 05-02-2018

Accommodation will be arranged on request on payment basis.

ADDRESS FOR CORRESPONDENCE

Dr. V. L. Pushpa
General Convener (RURTST -2018)
Department of Chemistry (HOD),
S.N. College, Kollam
Kerala-691001
E-mail: seminarsnck@gmail.com

PROGRAMME SCHEDULE

Day 1: (12-02-18) General Topics
Day 2: (13-02-18) Field Visit to Environmentally Sensitive Stations.
Day 3: (14-02-2018) Satellite Seminars

SPEAKERS

Prof. (Dr.) D. Rajasenan, Emeritus Professor, CUSAT.
Dr. M. Baba, Former Director CESS & ITM.
Dr. G. R. Ravindrakumar, Senior Consultants (Scientist, G), NCESS.
Dr. K. Vijayakumar, Former Director General FSI & Principal Scientist, CMFRI.
Dr. K. G. Sreejalekshmi, Associate Professor, IIST, Vallamala, Trivandrum.
Dr. Poornima Yadav P. I, Assistant Professor, Krishi Vigyan Kendra, Sadanandapuram, Kollam.
Dr. Kamalasanan Pillai P, Principal Scientist & Co-ordinator, National Azolla Programme.
Dr. Ramesh Kumar P, Assistant Professor, Dept. of Mathematics, University of Kerala, Kariavattom.
Dr. V. Biju, Assistant Professor, Dept. of Physics, University of Kerala, Kariavattom.



കൊല്ലം എസ്എൻ കോളജിൽ ആരംഭിച്ച ത്രിദിന ദേശീയ സെമിനാർ സിറ്റി പൊലീസ് കമ്മീഷണർ ഡോ. എ.ശ്രീനിവാസ് ഉദ്ഘാടനം ചെയ്യുന്നു

എസ്എൻ കോളജിൽ ദേശീയ സെമിനാർ

കൊല്ലം • എസ്എൻ കോളജിലെ അഞ്ചു ശാസ്ത്ര ഗവേഷണ പഠന വിഭാഗങ്ങളും ഇന്ത്യൻ സയൻസ് കോൺഗ്രസ് അസോസിയേഷനും കേരള പരിസ്ഥിതി കാലാവസ്ഥാ വകുപ്പും ചേർന്നു നടത്തുന്ന ത്രിദിന ദേശീയ സെമിനാർ എസ്എൻ കോളജിൽ ആരംഭിച്ചു.

സിറ്റി പൊലീസ് കമ്മീഷണർ ഡോ. എ.ശ്രീനിവാസ് ഉദ്ഘാടനം ചെയ്തു. ശാസ്ത്രം കൂടുതൽ സാമൂഹികവൽക്കരിക്കപ്പെടുമ്പോൾ മാത്രമേ അർത്ഥവത്തായ ജീവിത സാഹചര്യങ്ങൾ രൂപപ്പെടുകയുള്ളൂ എന്ന് അദ്ദേഹം പറഞ്ഞു.

ഇന്ത്യൻ സയൻസ് കോൺഫറൻസ് അസോസിയേഷൻ കൊച്ചിൻ ചാപ്റ്റർ കൺവീനർ ഡോ. എം.വിജയചന്ദ്രൻ അധ്യക്ഷത വഹിച്ചു. കോളജ് പ്രിൻസിപ്പൽ ഡോ. കെ.അനിരുദ്ധൻ, പ്രഫ. ഗീതകരുണാകരൻ, പ്രഫ. ആർ.പ്രേംകുമാർ, ഡോ. ബി.ഹരി, ആർ.എസ്.ഹരികൃഷ്ണൻ, സെമിനാർ കോഓർഡിനേറ്റർ ഡോ. എസ്.വി.മനോജ് എന്നിവർ പ്രസംഗിച്ചു.

സെമിനാറും നൂറിലേറെ പ്രബന്ധങ്ങളുടെ അവതരണവും നടക്കും. സെമിനാർ നാളെ സമാപിക്കും.



കൊല്ലം ശ്രീനാരായണ കോളേജിലെ വിവിധ വിഭാഗങ്ങളും ഇന്ത്യൻ സയൻസ് കോൺഗ്രസ് അസോസിയേഷനും കേരള പരിസ്ഥിതി കാലാവസ്ഥാ വകുപ്പും സംയുക്തമായി സംഘടിപ്പിക്കുന്ന ത്രിദിന ദേശീയ സെമിനാർ സിറ്റി പൊലീസ് കമ്മീഷണർ ഡോ. എ. ശ്രീനിവാസ് ഉദ്ഘാടനം ചെയ്യുന്നു

ശാസ്ത്രം ജനപക്ഷത്ത് നിലയുറപ്പിക്കണം: കമ്മീഷണർ

കൊല്ലം: ശാസ്ത്രം സാമൂഹ്യവൽക്കരിക്കപ്പെടുമ്പോൾ മാത്രമേ കൂടുതൽ അർത്ഥവത്തായ ജീവിത സാഹചര്യം രൂപപ്പെടുകയുള്ളൂവെന്നി സിറ്റി പൊലീസ് കമ്മീഷണർ ഡോ. എ. ശ്രീനിവാസ് പറഞ്ഞു. 'ശാസ്ത്ര-സാങ്കേതികവിദ്യ എത്തിപ്പെടാത്തവരിലേക്ക്' എന്ന വിഷയത്തെ ആസ്പദമാക്കി കൊല്ലം ശ്രീനാരായണ കോളേജിലെ വിവിധ

വിഭാഗങ്ങളും ഇന്ത്യൻ സയൻസ് കോൺഗ്രസ് അസോസിയേഷനും കേരള പരിസ്ഥിതി കാലാവസ്ഥാ വകുപ്പും സംയുക്തമായി സംഘടിപ്പിക്കുന്ന ത്രിദിന ദേശീയ സെമിനാർ ഉദ്ഘാടനം ചെയ്യുകയായിരുന്നു അദ്ദേഹം. ചടങ്ങിൽ ഇന്ത്യൻ സയൻസ് കോൺഫറൻസ് അസോസിയേഷൻ കൊച്ചിൻ ചാപ്പർ കൺവീനർ ഡോ. എ. വി. ജയ

ചന്ദ്രൻ അദ്ധ്യക്ഷത വഹിച്ചു. പ്രൊഫ. ഗീതാകരണാകരൻ, പ്രൊഫ. ആർ. പ്രേംകുമാർ, ഡോ. ബി. ഹര ആർ. എസ്. ഹരികൃഷ്ണൻ തുടങ്ങിയവർ സംസാരിച്ചു. കോളേജ് പ്രിസിപ്പൽ ഡോ. കെ. അനിരുദ്ധ സ്വാഗതവും സെമിനാർ കോ-ഓഡിനേറ്റർ ഡോ. എസ്. വി. മനോജന നിയോഗവും ചെയ്തു. സെമിനാർ 14 സമാപിക്കും.



■ കൊല്ലം ശ്രീനാരായണ കോളജിൽ നടന്ന ദേശീയ സെമിനാർ സിറ്റി പോലീസ് കമ്മീഷണർ ഡോ. എ. ശ്രീനിവാസ് ഉദ്ഘാടനം ചെയ്യുന്നു.

City Police Commissioner Dr A Sreenivas IPS Inaugurating the three day National seminar RURSA-2018 by lighting the lamp in the presence Dr.K.Anirudhan, Principal, Dr.K .V. Jayachandran convenor ISCA, Dr.V L.Pushpa General convenor of seminar and IQAC coordinator Dr.B Hari



Dr K V Jayachandran releasing the proceedings of the seminar



City Police Commissioner Dr A Sreenivas IPS Inaugurating the National Seminar RURSA 2018



Dr A Sreenivas IPS the chief guest of the seminar addressing the audience





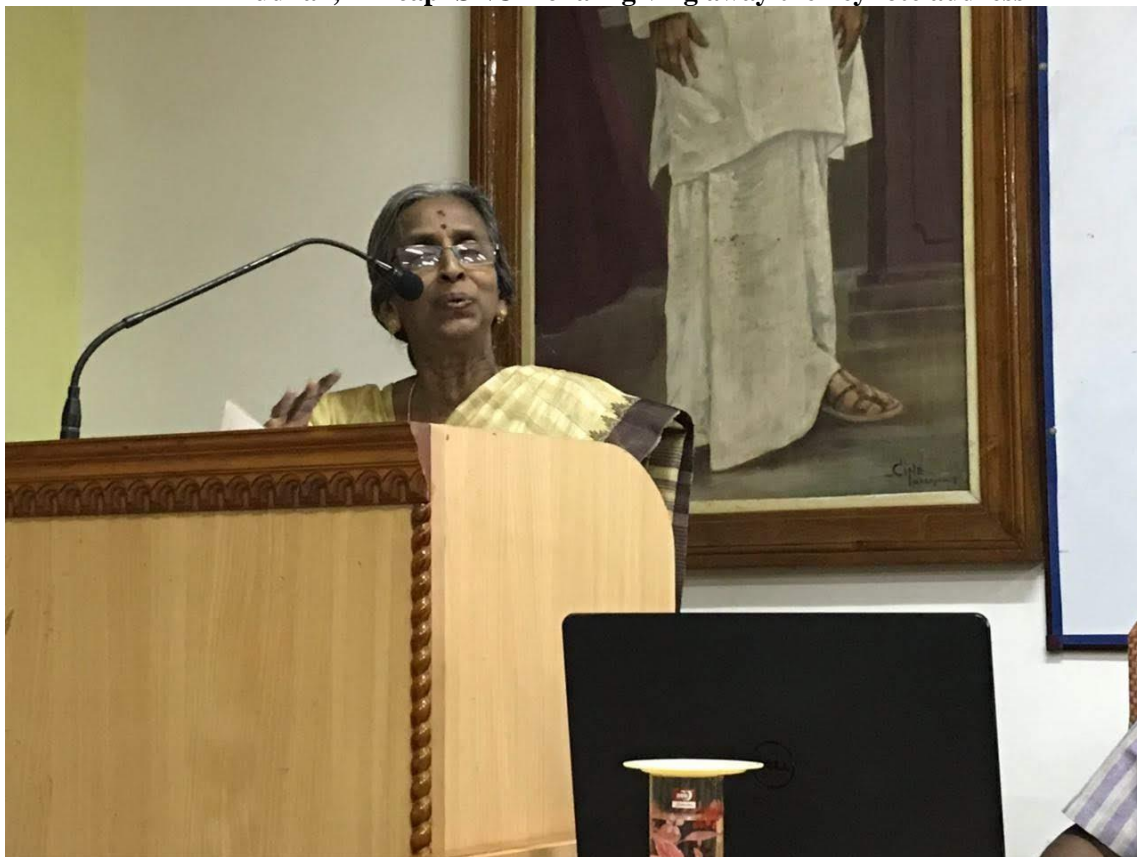


Enthusiastic audience hang on the words of Chief guest





Dr K Anirudhan, Principal SNC Kollam giving away the keynote address



Retd Prof. Geetha Karunakaran felicitating the function



Prof.Preemkumar,HOD of English felicitating the seminar