



TEJUS

October 2011

NEWSLETTER OF THE COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY

“Government employees who agitate for their rights are also bound to provide excellent service to the society”, said Sri. K.M. Mani, Minister for Finance, Government of Kerala. “The consideration that the Government gives for employees’ demands should be reflected in the service provided to society”, he added.

He was releasing a book ‘Union Movement of Government Employees’ authored by Dr. Sabu Thomas (Nodal



Sri. K.M. Mani, Hon’ble Minister for Finance, releases a book published by Directorate of PR & Publications by handing over a copy to Prof. Godfrey Louis, Pro-Vice Chancellor, Cusat. Dr.S.Anilkumar, Director, Public Relations & Publications, Dr. Sabu Thomas, author, Cusat Vice Chancellor Dr. Ramachandran Thekkedath, Dr. N. Chandramohanakumar, Registrar and Dr. M. Bhasi, Member, Syndicate are on the dais.

Service is the right of the society: State Finance Minister

Centre, Cusat) and published by the Directorate of Public Relations and Publications, Cusat.

The first copy was received by Dr. Godfrey Louis, Pro-Vice Chancellor, Cusat. Dr. S. Anilkumar, Director, Public Relations and Publications, Dr. N. Chandramohanakumar, Registrar, Dr. M. Bhasi, Syndicate Member and the author Dr. Sabu Thomas spoke. Cusat Vice Chancellor Dr. Ramachandran Thekkedath presided

over. The book is an extensive study on the genesis & evolution of



Sri. A.P. Anilkumar, Hon’ble Minister for Tourism, Government of Kerala being received at the Administrative office of Cusat by the Vice - Chancellor Dr. Ramachandran Thekkedath and Prof. Godfrey Louis, Pro-Vice Chancellor, Cusat.

Cusat to host AIU AGM and National seminar

The 86th Annual General Body Meeting of Association of Indian Universities (AIU) and the UGC-sponsored National Seminar on Higher Education hosted by Cochin University of Science and Technology will be held from 15 to 17 Dec. 2011.

Around 350 Vice Chancellor delegates including some foreign participants are expected to attend this mega-event of national importance.

The focal theme of the seminar is *Reforms and Innovations in Higher Education: Towards World Class Standards*. The topics of discussion include Resource Mobilization and Institutions of Higher Learning, Examination Reforms, Quality in higher education: at par with international standards and University Education: Employability and Professionalism.

The main venue of the Annual General Body Meeting and seminar will be Flora Airport Hotel, Kochi.

Editorial...

The higher education scenario in our country is set to undergo a sea-change, with numerous reforms and innovations being incorporated by Universities and other academic entities. This march towards world class standards is indeed the theme for the



delegates will include stalwarts from top industrial houses, internationally acclaimed academicians and high profile leaders from the socio-political arena and statutory bodies. The deliberations and discussions at the Seminar are expected to bring about a paradigm shift in the approach towards higher education and raise it to world class standards. I extend a hearty

Reforms and Innovations in Higher Education

National Seminar being conducted during the Vice Chancellors' Conference hosted by CUSAT under the aegis of Association of Indian Universities (AIU) from 15-17 December 2011.

I am very glad to inform the CUSAT fraternity that the Seminar is being sponsored by none other than the University Grants Commission, the apex body constituted by the Government of India to ensure quality

higher education for all, which in itself is a valid indicator of the significance of the theme. The sub-themes like "Examination Reforms", "Quality in higher education-at par with international standards" and "Professional education-Concepts and Innovations" have been well-thought out and designed to provoke creative thinking and trigger definitive action. The

welcome to all the delegates from India and abroad and the officials from UGC, AICTE, AIU, etc to the grand inaugural function on 15 December 2011 and the Conference and Seminar in the ensuing days.

I also take this opportunity to thank the CUSAT fraternity for their inspired and untiring efforts to make this mega-event a grand success.

Dr. Ramachandran Thekkedath

Cusat launches improved website

Cochin University of Science and Technology has launched its improved website, running on the ERP5 package, in the free and open source segment.

Cusat Vice Chancellor Dr. Ramachandran Thekkedath who launched the website at a brief function at the campus on 13 July 2011, stressed the need for uncomplicated websites that easily imparted information to the visitors. The University's website has been up since 1993 and the current website was designed in 2000. In the ERP5 package all web

pages, web sections, downloadable files, images, etc are stored in object-oriented databases with a well-defined workflow.

Cusat had already computerized the finance section using the REPS5 about a year ago. The rest of the sections are under computerization using the same package. This is one of the reasons for the choice of ERP5 for the augmented website, allowing the integration of operations as a single unit.

The website is controlled by the Centre for Information Resources

Management. The ERP5 platform has been recognized as the most powerful of ERP release and used by many multinational companies. Dr. Godfrey Louis, Pro-Vice Chancellor, Cusat presided over the function. Dr. K. N. Madhusoodanan (Syndicate Member), Dr. M. Bhasi, Dean, Faculty of Social Sciences, Dr. K. Paulose Jacob, Head, Department of Computer Science, Dr. N. Chandramohanakumar, Registrar, Dr. K. Vasudevan, Dean, Faculty of Technology, and Sri. Ignatius Kunjumon, Director, CIRM, Cusat spoke.

Seminar on Disaster Management held

A seminar on 'Disaster Management-Strategies and Tactics' was held at the School of Management Studies, Cusat on 17 September 2011. Sri. Sohan Roy, Director of the Film Dam 999 spoke.

Cusat Vice Chancellor Dr. Ramachandran Thekkedath presided over. Dr. C. A. Francis, Director, School of Management Studies, Dr. D. Mavoothu, Faculty Advisor, Talent Time 2011 and Ms. Rose Jacob, Chairperson, Talent Time, spoke.

Noted Film Director Kumar Shahani visited Cusat

Noted film Director Sri. Kumar Shahani visited the Administrative office of the University and held discussions with Cusat Vice Chancellor, Dr. Ramachandran Thekkedath, Prof. Godfrey Louis, Pro-Vice Chancellor, Dr. N. Chandramohanakumar, Registrar, Dr. Sunil K. Narayanankutty, Director, IRAA, Dr. Philip Kurian, Controller of Examinations and Dr. S. Anil Kumar, Director, Public Relations & Publications on 30 September 2011.

Dr. Ramachandran takes charge as Cusat Registrar

Dr. A. Ramchandran, Director, School of Industrial Fisheries, Cusat has re-joined as Registrar, Cochin University of Science and Technology on 22 October 2011.

Dr. A. Ramachandran, appointed as the Registrar of the University during the year 2004 has



also served as Controller of Examinations of the Cochin University of Science and Technology previously.



Tourism industry's growth not matched by manpower



Sri. A.P. Anilkumar, Hon'ble Minister for Tourism, Government of Kerala is inaugurating the 'Go Green 2011' programme by lighting the lamp. Sri. Puneet Jain, Chairman, Go Green 2011, Dr. K. A. Zakkariah, Faculty Advisor, Cusat Vice-Chancellor Dr. Ramachandran Thekkedath and Dr. C. A. Francis, Director, School of Management Studies are also seen.

"Though the tourism industry in Kerala has grown phenomenally, the supply of manpower has not been matching

in any manner" said Sri. A.P. Anilkumar, Hon'ble Minister for Tourism, Government of Kerala. He was speaking after

inaugurating the Go Green – 2011 programme organised at Cusat. Last year 7 lakh foreign and 85 lakh out-of-state tourists visited Kerala. Among the tourism destinations, no other country has such a favorable climate as our state. Tourism industry is growing in medical, beach, hill and backwater sectors. "The Government is aiming at developing tourism while maintaining the greenery" he added. Cusat Vice Chancellor Dr. Ramachandran Thekkedath presided over the function. Sri. Anwar Sadat MLA, Dr. C. A. Francis, Director, School of Management Studies, Dr. K. A. Zakkariah, Faculty Advisor and Sri. Puneet Jain, Chairman, Go Green 2011 spoke.

IT policy on the anvil: Industries Minister



Sri. P. K. Kunhalikutty, Hon'ble Minister for Industries and Information Technology, Government of Kerala is delivering the inaugural address at the one day symposium on 'Smarter villages 2015-IT as a cottage industry' Dr. Poullose Jacob, Head, Department of Computer Science, Prof. Godfrey Louis, Pro-Vice Chancellor, Cusat Vice Chancellor Dr. Ramachandran Thekkedath and Ms. Rita Soni, Chief Executive Officer, NASSCOM Foundation are also seen.

Sri. P. K. Kunhalikutty, Hon'ble Minister for Industries and Information Technology, Government of Kerala said at Cusat that the government has plans to set up call centres in villages across the State. In his inaugural address at the one day symposium on 'Smarter villages 2015-IT as a

cottage industry' at the Cochin University of Science and Technology on 21 July 2011. Mr. Kunhalikutty said that villages have plenty of graduates who can speak English effectively. He said that their skills could be stepped up through professional training. The Minister said that companies

in Info Park here and Techno Park in Thiruvananthapuram have programmes aimed at improving the soft skills of graduates. These services could be utilized for enhancing the skills of youngsters in villages, he said.

Mr. Kunhalikutty said that the government will soon come up with its IT policy. New projects will be launched, as part of development of information technology sector in the State. Details of the IT policy will be placed on the government web site. All stakeholders can share their opinions about the policy, he said. The Minister said that skill development will hold a prominent position in the IT policy of the State. He said that Kerala was far ahead of other States in broadband connectivity penetration. Ms. Rita Soni, Chief Executive Officer of NASSCOM Foundation, addressed the gathering.

Cusat Vice Chancellor Dr. Ramachandran Thekkedath presided over the function.

Monsoon madness – camp conducted

The Department of Youth Welfare, Cusat in association with Department of Forests and Wild life, Government of Kerala, organized a monsoon camp titled 'monsoon madness' for selected students of the University from 01 to 03 July, 2011 at Thoothampara, Nelliampathy, Palakkad District.

The primary goal of the camp was to provide the students an opportunity to immerse them into nature and to get a better sense of understanding and appreciation about the resources and deep beauty of



The participants at the 'monsoon madness' camp held at Nelliampathy, Palakkad

nature. The camp provided the fundamentals for personal and interpersonal improvement with sports-

manship, leadership and teamwork. Dr. P. K. Baby, Director, Department of Youth Welfare lead the programme.

Naval research project : Cusat to develop automated sound classifier

Cochin University of Science and Technology is all set to develop a unique automated sound classifier to identify and differentiate sounds beneath and around the coastal waters.

The Rs. 43.55 lakh project titled, *HMM Based Target Classifier*, with improved success rates, has been sanctioned by the Naval Research Board, Government of India. The Principal Investigator of the Programme is Dr. Supriya M. H. of the Department of Electronics.

“Through this project we are intending to develop a Classifier which would enable to differentiate specifically each and every sound in the Indian Ocean, whether it is a small ship or a submarine” said Dr. Supriya M.

H. Presently, the country, which has only a SONAR classifier system to identify these ocean sounds, depends heavily on the human senses to identify the sound of any movement in the ocean.

Every ship, boat or submarine, in spite of having a unique combination of engines, propellers, etc., has a separate noise. But, the SONAR classifier does not enable to classify minute distinctive sounds. “Sometimes the sound of a ship approaching is hindered by the other sounds in the ocean,” said Dr. Supriya. Though similar researches have taken place in the past on developing such classifiers, it has not been successful as many of the techniques have proved to be complex.

Step up soft skills: Cusat Vice Chancellor

Students should take the initiative to step up their soft skills, Cusat Vice Chancellor Dr. Ramachandran Thekkedath said. In his address at the ‘*Pravesha-notsavam*’ for B. Tech students of the 2011-12 batch of School of Engineering at Thrikkakara on 18 July 2011, Dr. Thekkedath said that the technical education should help in focussing the mental development of the students.

Dr. S. Radhakrishnan, Joint Director, Technical Education delivered the keynote address. Dr. Godfrey Louis, Pro-Vice Chancellor, Cusat, Adv. K. Thulacy, Dr. K. N. Madhusoodanan (Syndicate Members), Dr. N. Chandramohana kumar, Registrar, Cusat, Dr. David Peter, Principal, School of Engineering, and Dr. D. Rajeev spoke.

Talent Hunt programme at Cusat campus



Dr. S. Prathapan, Chairman, Council of Wardens hands over the prize to Sri. Akhiljit, and Sri. Chandramauli, winners of the Talent Hunt Programme.

Department of Youth Welfare, Cochin University of Science and Technology, in association with

Radio Mango 91.9 and Uninor organised a programme, *60 words to fame RJ Freq Out: Talent Hunt*

on 12 July 2011 at SMS auditorium. The programme provided an interactive platform for students to gauge their potential and talents in behaviour, communication, interpersonal skills and creativity.

The winners of the programme were Sri. Akhiljit (Department of Instrumentation) and Sri. Chandramauli (Division of Mechanical Engineering, School of Engineering). Prizes were distributed by Dr. S Prathapan, Chairman, Council of Wardens, Cochin University of Science and Technology.

Rs. 2.25 Crore project to Cusat Physics

A 2.25 crore Rupee project for development of Solar cells suited to the existing climatic conditions has been awarded to Cusat, Prof. K. P. Vijayakumar, Principal Investigator said. "At the initial stage, the project will develop the Solar cells with thin films using automatic spray

technology and will be based at Centre for Alternative Energy. The cost of silicon which is an essential element for their manufacturing is a major hindrance to the popularity of solar cells. Research is going on all over the world for developing cells that do not depend on

silicon. The intention of the programme is to develop such batteries in laboratories utilizing green technology", he added. Prof. K. P. Vijayakumar, Department of Physics, Prof. C. Sudha Kartha, (Physics) and Dr. K. Rajeevkumar (Instrumentation) are the investigators of the project.

Cusat scientist selected to explore Arctic

Dr. S. Bijoy Nandan, Associate Professor, Cusat has been credited with a rare privilege of becoming a member of the Indian contingent to visit Arctic region and to conduct various experiments regarding the influence of climate change on ocean benthic organisms. Dr. Bijoy Nandan is an Associate Professor with the Department of Marine Biology, Micro Biology & Bio Chemistry of Cusat.

The Arctic expedition is being co-ordinated by the National Centre for Arctic Ocean Research (NCAOR), Goa, and the team reached on 14 July, 2011. "For many years, the Arctic Ocean remained unexplored and unreachable, but the country's tie-up with the Kingsbay Arctic Research Centre in Norway in 2007 opened more opportunities for discoveries in the Arctic belt" said Dr. Bijoy Nandan.

Dr. Bijoy Nandan is the second person from Cusat to be selected for the expedition team enroute to the Arctic. The eight-



Dr. Bijoy Nandan at Arctic area during his expedition

member group, also comprising scientists from the National Institute of Oceanography, had visited Ny-Alesund, Norway, in the Arctic Ocean on July 16 for a 22 day trip. His paper on "The bottom dwelling organisms in the benthic regions" paved the way for him to explore smaller organisms in the Northern belt.

The Arctic climate change is a result of the huge carbon content being emitted into the earth's atmosphere especially carbon dioxide caused by extensive burning of fossil fuels by countries across the world. During the past several decades,

the Arctic has been warming up at an alarming rate and it is projected to reach 18 degrees Fahrenheit by 2100. "This affects the life of minute organisms existing there. Where these organisms are subject to climatic changes, a genetic change is witnessed".

Ny-Alesund is home to the new Arctic Marine Laboratory (the northernmost in the world), which was officially opened on June 1, 2005. With many open rooms and wet and dry lab spaces, the marine lab is particularly useful for countries which do not maintain permanent research stations in the area.



Development project; Humanitarian values should not be forgotten

Humanitarian values should not be forgotten while preparing development projects and programmes and the justifiable doubts of the people should be clarified, Dr. Sebastian Paul, former MP opined. He was inaugurating a seminar on “Kochi Development - possibilities and challenges” organised by the School of Management Studies, Cusat on 12 August 2011.

Dr. C. A. Francis, Director, School of Management Studies presided over. Dr. P. C. Cyriac, Chairman, Federal Bank, Dr. K. N. Madhusoodanan, Syndicate Member, Dr. P. R. Wilson, School of Management Studies and Dr. K. A. Zakkariya, Seminar co-ordinator spoke during the programme.



International conference on Nanotechnology conducted

International Conference on frontiers in Nanoscience and Technology “Cochin Nano 2011” was conducted by the Physics Department, Cusat from 14-17 August 2011 at IMA House, Kaloor.

Dr. Pulikkal M Ajayan, Professor, Rice University, USA inaugurated the function which was presided over by Dr. Godfrey Louis, Pro-Vice Chancellor, Cusat. Dr. N.Chandramohanakumar, Registrar, Dr. K. R. Muralee-

dharan Nair, Dean, Faculty of Science, Prof. M. R. Anantharaman and Prof. T. Ramesh Babu, Department of Physics, Cusat addressed the gathering.

During the 4 day conference with thrust areas like Nano materials synthesis, Nano magnetism, Nano electronics, Nano fluids etc, around 250 papers were presented, according to Professor M.R. Anantharaman, Convenor, Cochin Nano 2011.

National symposium on emerging trends in biotech



Prof. Godfrey Louis, Pro-Vice Chancellor, Cusat lighting the lamp at the inaugural function of the National Symposium on Emerging Trends in Bio-technology. Dr. Sarita G.Bhat, Convener of the symposium, Dr. N. Chandramohanakumar, Registrar and Dr. Padma Nambesan, Faculty are also seen.

As part of its 20 Anniversary, the Department of Biotechnology, CUSAT will organise a series of programmes and as part of it, a

National Symposium on Emerging Trends in Bio-technology was organized from 1-2 September, 2011. The thrust areas of the

symposium were emerging trends in marine biotechnology, nanotechnology, role of anaerobes in biofuel augmentation etc. Over 200 participants from all over India participated in the symposium.

Dr. Godfrey Louis, Pro -Vice Chancellor, CUSAT inaugurated the programme. Dr. Sarita G.Bhat, Head of the Department and Convener of the symposium welcomed the gathering. Dr. N. Chandramohanakumar, Registrar, Cusat inaugurated the website of the Department and Dr. Nagendra Prabhu (Associate Professor), SD College, Alappuzha offered felicitations. The valedictory function was presided over by Dr. Muraleedharan Nair, Dean, Faculty of Science, Cusat.

School of Management Studies (SMS), Cochin University of Science and Technology organized a lecture in memory of Professor N. Ranganathan, former Director and Professor of Marketing, School of Management Studies, on August 22, 2011. Dr. Darlie O. Koshy, Director General and CEO of Institute of Apparel Management and Apparel Training and Design Centre delivered the lecture on “Brands in the Creative Economy”. When markets shift, technologies proliferate, competitors multiply, and products become obsolete almost overnight. Successful organisations are those



Padmabhushan Dr. M.V.Pylee, former Vice Chancellor, Cusat felicitating Dr. Darlie O. Koshy on delivering the memorial lecture. Dr. C.A.Francis, Dr.P.R.Poduval, Dr.Darlie O. Koshy, Dr. Sam Thomas, Dr.Moli P.Koshy (Coordinator) are also seen.

“Brands in the Creative Economy” lecture at SMS

that consistently innovate and create new knowledge, and embody it in products and an array of services with “Speed to Market” becoming a key driver, he said. According to Dr. Koshy, brand is finally about expression and experience. In order to provide a holistic and innovative impetus the new brand creation needs to be a trans-disciplinary exercise

crossing boundaries of technology and media. “The creative leadership is exercising the task to change the traditional role from commander to coach, manager to mentor, from director to delegator and from one who demands respect to one who facilitates self-respect. The higher the proportion of creative leaders in a nation, the higher the potential of success of

visions like “developed India”. Dr. C.A.Francis, Head, School of Management Studies, Cusat, Dr.P.R.Poduval, Dr. Sam Thomas, Professor, SMS, Dr.Moli P.Koshy (Coordinator) also spoke.

World Environmental Day Celebrations

Dr. Godfrey Louis, Pro-Vice Chancellor, Cusat, inaugurated the seminar organised by the School of Environmental Studies, Cusat, in connection with World Environmental Day celebrations. During his address, he stressed the need of individuals in resolving the issue of Environmental pollution.

Dr. N. Chandramohanakumar, Registrar, Cusat categorically said that it was high time to redraft the so called belief that all environmentalists were antidevelopment. Dr. Suguna Yesodharan, Head, School of Environmental Studies presided over the function. Dr. Bransdon S. Corrie, Additional Principal Conservator, Forest Development and Projects. Dr. Rajendran, Assistant Director, National Centre for Disease Control, Prof. E. P. Yesodharan, Dr. V. Sivanandan Achari and Dr. Rajalakshmi Subramanian spoke.

Independence day celebration at Cusat



Prof. Godfrey Louis, Pro-Vice Chancellor inspects the guard of honour during the Independence Day celebrations at Cusat accompanied by Sri.T.B. Suresh Babu, Security Officer.

Environmental film fest held

Cusat Vice Chancellor Dr. Ramachandran Thekkedath, inaugurated the *Reel Earth: Environmental Film Festival* organised by the Department of Youth Welfare, Cusat at School of Marine Sciences auditorium, on 08 August 2011. Dr. Godfrey Louis, Pro-Vice Chancellor presided over. Dr. N. Chandramohanakumar, Registrar and Dr. P.K Baby, Director, Students

thanks. *Reel Earth* is aimed to increase awareness of key environmental issues by promoting and screening short and medium-length films and videos in documentary format, focusing on environmental issues, produced in any part of the world. *Home*, (directed by Yann Arthus-Bertrand) *Earth*, (Alastair Fothergill, Mark Linfield). *Great Wildlife Moments*, (David Attenborough).



Cusat Vice Chancellor Dr. Ramachandran Thekkedath is inaugurating the programme Dr. P.K. Baby, Dr. Godfrey Louis and Dr. N. Chandramohanakumar are also seen.

Welfare felicitated the function. Mr. Shyju welcomed the gathering and Ms. Aparna. A. S proposed the vote of

Animals Are Beautiful People, (Jamie Uys). *Oceans*, (Jacques Perrin, Jacques Cluzaud) were the green films screened.

Drama workshop at Cusat

A two-day 'Drama Workshop' organised by Department of Youth Welfare, Cusat and Cochin University Union kicked off at SMS Auditorium on 14 September 2011. Cusat Vice Chancellor, Dr. Ramachandran Thekkedath inaugurated the workshop that aimed at giving basic theatre education to the students. The workshop

focused on various aspects of drama making, covering acting, direction, use of properties, voice, set and stage sense. Dr. N. Chandramohanakumar, Registrar, Sri. Praveen C.P Chairman, Uni. Union, Dr. P.K Baby, Director, Student's Welfare, Dr. K Vanaja, Treasurer, Uni. Union, Sri. Amal Raj and Sri. Rajesh Sharma Directors, attended.

Best Paper Award for Physics Researcher



Smt. Sajimol Augustine. M, Research student of Physics Department at Cochin University of Science and Technology has received the Best Paper (Oral Presentation) Award during the UGC Sponsored National Seminar on "Challenges in Nano-

science and Technology" organised by Dept. of Chemistry, St. Teresa's College, Ernakulam during 28-29 July, 2011. Smt. Sajimol Augustine. M is working in the Advanced Materials Lab under the guidance of Prof. S. Jayalekshmi, Dept. of Physics, Cusat.

Utilize technology to empower women: Cusat VC

Technology suitably befitting the culture of the nation is required for enhancing women empowerment, said Cusat Vice Chancellor Dr. Ramachandran Thekkedath. An awareness of Science and Technology would assist women empowerment, he said. He was inaugurating the national seminar on

Women Empowerment and Tech. conducted by the Women's Study Centre (WSC) of Cusat. The function was presided over by Dr. N. Chandramohanakumar, Registrar. Adv. K. Thulacy, Adv. V. Salim, Syndicate members, Dr. Meerabai, Director, WSC, Dr. Merlin Joseph and Dr. E.P. Yesodharan spoke.



Cusat Vice Chancellor Dr. Ramachandran Thekkedath is inaugurating the Drama workshop.

Ph.D Awardees

Sri. Jomi Thomas, “Farm Programs Of Electronic Media: A Comparative Study Of Audience Perception In Kerala” (Dr.S. Anilkumar, Director, Public Relations & Publications, CUSAT, Kochi-22)

Sri. Joyice Tom, “Assiyottar Kahaaniyom Mein Avaam Ki Sangharsh Chetana” (Dr. M Shanmughan, Dept. of Hindi, CUSAT, Kochi-22)

Sri. Jijoy Joseph, “Chaos Game Representation For Genome Sequence Analysis” (Dr. Roschen Sasikumar, Scientist, Computational Modelling & Simulation Division, NIIST, TVM-695019)

Smt. Geetha Andrewa, “Chemical Evaluation of Selected Organics And Trace Metals in the Mangrove Macroflora of Cochin” (Dr. Jacob Chacko, Professor, Dept. of Chemical Oceanography, CUSAT, Kochi-16)

Smt. Rajini K M, “Human Resources Development in Higher Education in Kerala” (Dr. K C Sankaranarayanan (Retd.), Dept. of Applied Economics, CUSAT, Kochi-22)

Smt. Pramitha V, “A New Metal Ion Doped Panchromatic photopolymer For Holographic Applications” (Dr. C. Sudha Kartha, Professor, Dept. of Physics, CUSAT, Kochi-22)

Smt. Neema Animangalam, “Chelating Behavior of Acylhydrazones Towards Transition Metals: Spectral and Structural Aspects” (Dr. M R Prathapachandra Kurup, Professor, Dept. of Applied Chemistry, CUSAT, Kochi-22)

Smt. Sindhu Isaac, “Fabrication of Electrochemical Sensors for the Determination of Pharmaceuticals” (Dr. K Girish Kumar, Professor of Analytical Chemistry, CUSAT, Kochi-22)

Smt. Mariamma Joseph, “A Study On The Water Retention Characteristics Of Soils And Their Improvement” (Dr. Babu T Jose, Emeritus Professor, School of Engineering, CUSAT, Kochi-22)

Sri. Deviprasad Varma P R, “Studies On The Fracture Behaviour Of Polymer Blends With Special Reference To PP/HDPE And PS/HIPS Blends” (Dr. P S Sreejith, Professor, Div. of Mechanical Engineering, School of Engineering, CUSAT, Kochi-22)

Sri. Ajit Haridas, “Anaerobic Reactor development For Complex Organic Waste Water” (Dr. Babu T Jose, Emeritus professor, School of Engineering, CUSAT, Kochi-22)

Sri. Santhosh B, “Thermo Structural Analysis of 3D Composites” (Dr. C.G. Nandakumar, Reader, Dept. of Ship Technology, CUSAT, Kochi-22)

Smt. Smitha B. R., “Coastal Upwelling Of The South Eastern Arabian Sea- An Integrated Approach” (Dr. R Sajeev, Associate Professor, Dept. of Physical Oceanography, CUSAT, Kochi-16)

Sri. A. Mathiazhagan, “Investigations on Dezincification Of Brass And Epoxy Coated Brass” (Dr. Rani Joseph, Professor, Dept. of PS&RT, CUSAT, Kochi-22),

Sri. Santhosh Kumar T.G., “A Study On The Engineering Behaviour Of Grouted Loose Sandy Soils” (Dr. Benny Mathews Abraham, Professor & Head of Civil Engineering, School of Engineering, CUSAT, Kochi-22)

Sri. Sivaprasad K, “Development Of Best Practices For Ship Recycling Processes” (Dr. C. G. Nandakumar, Reader, Dept. of Ship Technology, CUSAT, Kochi-22)

Sri Stephy Thomas, “Stochastic Modelling Using Markov Chains” (Dr. V. K. Ramachandran Nair, Professor, Dept. of Statistics, CUSAT, Kochi-22)

Sri. Manoj Joseph, “Microstrip-fed Compact Dual Band Planar Antenna” (Dr. P Mohanan, Professor, Dept. Of Electronics, CUSAT, Kochi-22)

Smt. Susan Mathew K, “Impact Of Information Communication Technology (ICT) On Professional Development And Educational Needs

Of Library Professionals In The Universities Of Kerala” (Dr. M.D. Baby, Professor & Head, School of Library & Information Science, Rajagiri College Of Social Sciences, Kochi-683104)

Smt. Leeju P, “DNA Interaction and Catalytic Activity Studies of Some New Transition Metal Complexes of Schiff Bases Derived From Quinoxaline” (Prof. K.K. Mohammed Yusuff, Professor (Retd.), Dept. of Applied Chemistry, CUSAT, Kochi-22)

Smt. Angel Mathew, “Statistical Inference For Some Measures of System Availability” (Dr. N. Balakrishna, Professor, Dept. of Statistics, CUSAT, Kochi-22).

**Navodaya Science Congress:
Cusat event to take
science to children**

Cochin University of Science and Technology will play host to budding science talents, thanks to the Regional Children’s Science Congress of Navodaya Schools beginning in Cochin University Campus from 1 November to 5 November 2011.

From opening up the wonders related to science to inculcate a scientific temper among the participants, the five day event is expected to provide the youngsters a chance to ‘touch and feel’ science in an interesting manner. Dr. K. Girish kumar, Faculty member of the Department of Applied Chemistry and Convenor of the Congress, said that students selected from various Navodaya schools in South India would participate. The aim of the event is to provide a forum for young talents to pursue their scientific interests by watching and doing experiments, he said.

Sri. K. Radhakrishnan, Chairman, Indian Space Research Organisation (ISRO) will inaugurate the Congress organised jointly by the Navodaya Vidyalaya Samithy and Cusat.

Campus Notes



Sri. Prasad Adish
Ajayakumar



Sri. K. Sanal

Cusat Union Elections: Prasad Adish New Chairman

Sri. Prasad Adish Ajayakumar was elected as Chairman of the Cochin University Union to which elections were held on 25 October 2011. The following persons were also elected to various positions: Sri. V K Abdul Hadi, Vice Chairman, Sri. K Sanal, General Secretary and Sri. Aswanth M.P, Secretary. Sri. Jibin M, Ms. Archana R K, Sri. Athul Amrutha Singh, Sri. Rishal M M and Sri. Subair T V are the executive members. The swearing in ceremony will be held on 04 November 2011 at the Administrative Office of the University.



Sri. Aswanth M.P



Sri. Abdul Hadi



Cusat students at National Adventure Academy Devikulam under the leadership of Dr. Ajith Mohan, Deputy Director, Physical Education, Cusat.

Call for a Global Agency to thwart sea piracy

In the wake of the increasing incidents of sea piracy, Director – General of Shipping Sri. S B Agnihotri has asked the International Maritime Organisation (to consider a proposal for an international security protocol for protecting ships at all sea coasts.

Sri. Agnihotri said that at present all countries are taking independent steps to protect their ships but the need of the hour is an international agency to prevent sea piracy. He was speaking at a

function in connection with the passing – out ceremony of the fourth batch of B. Tech Marine Engineering students from the K.M School of Marine Engineering, Cusat on 23 September 2011.

Cusat Vice Chancellor Dr. Ramachandran Thekkedath, Captain L. K Panda, Principal Officer of Mercantile Marine Department, D. Godfrey Louis, Pro –Vice Chancellor, Prof. N.G Nair, Prof. K.A Simon, Director, K.M School of Marine Engineering, Cusat also spoke.

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Editor : Dr S Anilkumar, Director, Public Relations and Publications (Directorate of PR & P), Cochin University of Science and Technology, Kochi - 682 022, Kerala.

Printed and Published by Dr. A. Ramachandran, Registrar, Cochin University of Science and Technology, Kochi-682 022, Kerala.

Printed at K K Printers, Kaloor, Kochi-682 017.

Revenue Minister releases book by Cusat Official

Sri. Thiruvanchoor Radhakrishnan, Hon'ble Minister for Revenue and Vigilance, Government of Kerala released a book on the life of the great social reformer Bharathakesari Mannath Padmanabhan authored by Dr. Anilkumar Vadavathoor, Director, Public Relations and Publications, Cusat. The first copy of the book was received by Sri. R. Gopalakrishnan, Secretary, Kerala Sahitya Academy.

In his speech, the Minister lauded the contributions of Sri. Mannath Padmanabhan in liberating Kerala from the clutches of untouchability, superstitions, and other social enigma. Sri. K.C. Narayanan, Editor-in-charge Bhashaposhini, Sri. Ezhacherry Ramachandran, President, SPCS, Sri. P. Balakrishnan Pillai, Director



Sri. Thiruvanchoor Radhakrishnan, Hon'ble Minister for Revenue and Vigilance, Govt. of Kerala releases the book on Mannath Padmanabhan by handing over a copy to Sri. R. Gopalakrishnan, Secretary, Kerala Sahitya Academy. Sri. P. Balakrishna Pillai, Smt. Saraswathamma, Sri. Ezhacherry Ramachandran, Dr. S. Anilkumar Vadavathoor, Sri. T.K. Rajagopal and Sri. K.C. Narayanan are looking on.

Board Member, NSS, Sri. T.K. Rajagopal, News Editor, Mathrubhumi, Smt. Saraswathamma, Director Board Member, SPCS,

and Sri. K.V. Sudhakaran Chief Reporter, Desabhimani spoke. Sri. Ajith K. Sreedhar, Secretary, SPCS proposed the vote of thanks.

Ignorance of region specific facts dangerous to biodiversity- Prof. M. K. Prasad



Sri. R. Gopalakrishnan, Secretary Kerala Sahitya Academy is releasing the popular science book 'Vichithra lokam vibhinna lokam'. Looking on are Dr. S. Anilkumar Sri. Ajith K. Sreedhar, Cusat Vice Chancellor Dr. Ramachandran Thekkedath. Prof. M.K. Prasad, Dr. N.Chandramohanakumar and Dr. S. Bijoy Nandan.

"The new generation's ignorance of region specific facts and knowledge that is traditionally handed down raises a challenge for the protection of biodiversity", according to Prof M. K. Prasad, noted Environmentalist and

former Pro-Vice Chancellor, University of Calicut. "The efforts to familiarize the young generation to nature and the ecology surrounding us should begin from home" he added. He was delivering the key-note address

during a book release function organized at the Department of Marine Biology, Micro Biology and Biochemistry.

The theme of the book authored by Dr S. Bijoy Nandan titled 'Vichithra lokam vibhinna lokam' is biodiversity. It is being jointly published by the Directorate of Public Relations and Publications, Cusat and Sahitya Pravarthaka Co-operative Society, Kottayam. Sri R. Gopala krishnan, Secretary, Kerala Sahitya Academy officially released the book by handing over a copy to Prof M.K. Prasad. Cusat Vice Chancellor, Dr. Ramachandran Thekkedath presided. Dr. N. Chandramohanakumar, Registrar, Dr. S. Anilkumar, Director, Public Relations and Publications, Sri. Ajith K Sreedhar, Secretary, Sahitya Pravarthaka Co-operative Society & Dr. Bijoy Nandan spoke.