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Internal Quality Assurance Cell

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UNIVERSITY OF KERALA

MEMBERS

1. The Vice - Chancellor (Chairman)
2. The Pro- Vice - Chancellor (Vice-Chairman)
3. Dr. S. Nazeeb, Member, Syndicate
4. Dr. K.G. Gopchandran, Member, Syndicate
5. The Registrar
6. The Finance Officer
7. The Vice - Chairman, Credit and Semester System
8. The Director, Computer Centre
9. The Chairman, Kerala University Department Students' Union
10. The Chairman, Kerala University Research Students' Union
11. Dr. Unnikrishnan S. M., Associate Vice – President, International Business & Strategic Planning, HLL Life care Ltd, Poojappura.
12. Dr. Biveesh U. C., Research Officer & Nodal Officer, RUSA State Office Thiruvananthapuram.
13. Dr. A. K. Prasad, Professor, Department of Economics
14. Dr. K. S. Chandrasekhar, Professor and Head, Institute of Management in Kerala
15. Dr. B. Hariharan, Professor and Head, Institute of English
16. Dr. Jayachandran R., Professor and Head, Department of Hindi
17. Dr. R. B. Binoj Kumar, Professor and Head, Department of Geology
18. Dr. S. Mini, Professor and Head, Department of Biochemistry
19. Dr. S. R. Sheeja, Professor, Department of Economics
20. Dr. S. Aji, Associate Professor, Department of Computer Science
21. Dr. E. Shaji, Associate Professor, Department of Geology (Joint Director, IQAC)
22. Dr. Gabriel Simon Thattil, Director, IQAC

FROM THE DESK OF DIRECTOR IQAC

Higher Education in India is emerging through a transition phase in 2021. The factors which contribute to the same are introduction of the National Education Policy 2020, Post COVID Reforms, specifically in terms of technology embedded learning and use of virtual tools. The emphasis on relevant education in the lifelong learning mode has transformed the functioning of Higher Education Institutions.

University of Kerala is closely observing the complete change in Higher Education sector and its impending challenges. We are consistently working towards realigning our resources and processes to meet the demands of the Higher Education sector. Addressing quality in all its processes is a key concern.

Some of the activities of IQAC which we carried out with great expectation, include Interaction with Eminent Scholars, Meet the Scholar Programme, where we have invited Eminent Scholars from India and abroad to share with us, the best practices in teaching and research, and also seek possibilities for MoUs and other possible collaborations.

In the year 2021, IQAC has hosted special Orientation Workshops on compilation of Self Study Report (SSR) as part of the NAAC accreditation process for University of Kerala. The workshops focused on each of the NAAC criterion on SSR. IQAC also conducted Faculty Development Programme for University teachers. The Institutional Information for Quality Assessment (IIQA) for NAAC accreditation was filed and the same was approved by National Assessment and Accreditation Council. The SSR was submitted to NAAC by, the Hon'ble Vice – Chancellor. As far as academics is concerned, we have organized workshop on Outcome Based Education with expert from IISC, Bangalore.



University of Kerala has moved into the Outcome Based Curriculum Framework and the same is being delivered through the 'Moodle LMS'. Several training sessions have been organized in this regard and curriculum delivery has been initiated through LMS for students from 2020 admission onwards. As part of a final support on use of LMS, a Hands-on Online Workshop was conducted in 2021. This Workshop was hosted for all the faculty members of the University considering our implementation of OBE curriculum.

In addition to this IQAC support Paramarsh under the NAAC accreditation scheme, student support services in the form of Research Methodology Workshop and Skilling Programme under ASAP as well as support for startups and support for Intellectual Property in the form of patent filing and maintenance of publication grants, Seed money for research and incentives for good research.

For all its activities, IQAC has received the support from all stakeholders of the University. I take this opportunity to sincerely thank, Honorable Vice – Chancellor, Hon'ble Pro – Vice – Chancellor, all Hon'ble Members of the Syndicate, all the Statutory Officers for their timely support and help. All the initiatives referred above was made possible with support of our teachers and students, I thank you for the great help. I place on record the support and timely help from all the administrative staff and special thanks to the Administrative staff of IQAC.

As a team let us keeps the light of University of Kerala shining before the world as an Institution that is committed to its cause.

Dated: January 2021

**Prof. Gabriel Simon Thattil
Director, IQAC**

MEETINGS

Six meeting of IQAC were held in 2021 (28.01.2021, 12.03.2021, 04.06.2021, 05.07.2021, 09.09.2021 and 15.12.2021)

MINUTES

18th MEETING OF IQAC

Held on 28-01-2021



UNIVERSITY OF KERALA

MINUTES

SPECIAL MEETING OF IQAC

Held on 12-03-2021



UNIVERSITY OF KERALA

MINUTES

19th MEETING OF IQAC

Held on 05.07.2021



UNIVERSITY OF KERALA

MINUTES

SPECIAL MEETING OF IQAC

Held on 04-06-2021



UNIVERSITY OF KERALA

MINUTES

20th MEETING OF IQAC

Held on 09.09.2021



UNIVERSITY OF KERALA

MINUTES

21st MEETING OF IQAC

Held on 15.12.2021



UNIVERSITY OF KERALA



University of Kerala organized a program CM@Campus “Navakeralam – Yuvakeralam” on 6th February 2021 at the Senate Hall to interact with students and gather ideas on academic and research issues and socio-cultural issues that are paving the way for change in the field of higher education. In this programme Hon’ble Chief Minister of Kerala, Sri. Pinarayi Vijayan interacted with the students. Grand Master Sri. G. S. Pradeep presented a program called "Inspire Kerala" at the event.



The information regarding the programme was sent by the principals of various colleges to the talented students who have proved their ability in various fields. The proposals submitted by the students were examined by a specially appointed faculty committee and it was decided that 200 of them would participate directly. Of these, 25 who gave more notable suggestions and 10 who were selected through 'Inspire Kerala' were given the opportunity to interact directly with the Chief Minister.

The Chief Minister opined that our higher education sector needs to change from time to time. Our institutions of higher learning and universities should reach the top 10 nationally and the top 100 internationally.

The goal is to bring world-class education to all by strengthening public education. To a certain extent, all schools have become Centers of Excellence. As a result, more than six lakh students joined public schools last year in lieu of dropouts.



New courses should be started in universities. Students have to go out for courses that are not currently here. Universities must have Interdisciplinary courses, Vocational courses and Skill Development courses. Students need to have excellent centers of entrepreneurship to become employers. We can attract higher faculties here to empower Higher Education Institutions. Universities need to develop the necessary staff and other infrastructure, and need to be transformed into student-centered systems. Labs and libraries should be open 24 hours a day. Universities should have well-equipped campuses.

We need to create a community of research students in universities. This community and their research should change the economic structure of that society. Research and scientific discoveries can play a major role in social change. The Hon'ble Chief Minister said that Higher Education Institutions and universities in the state should become Centers of Excellence.





Hon'ble Minister for Higher Education Dr. K. T. Jaleel delivered the introductory speech at the function. Vice Chancellor Prof. (Dr.) V. P. Mahadevan Pillai welcomed the gathering. Pro Vice Chancellor Prof. (Dr.) P. P. Ajay Kumar presented the memento to the distinguished guests. Planning Board Vice Chairman Prof. V. K. Ramachandran and other dignitaries were present. Adv. K. H. Babujan, Member, Syndicate thanked them.



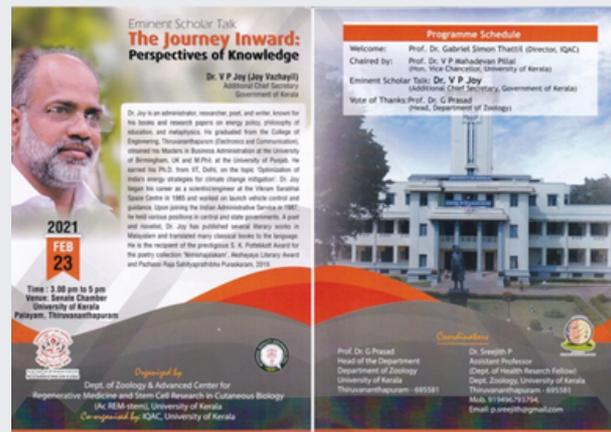
The event was organized with the participation of selected students from all the educational institutions affiliated to the University. About 250 students were participated in the event. 42 students had the opportunity to interact directly with the Hon'ble Chief Minister.



MEET THE SCHOLAR LECTURE SERIES

Department of Zoology

Department of Zoology, University of Kerala in association with IQAC conducted a public lecture under the Meet the Scholar lecture series on 23rd February 2021. The lecture by Dr. V.P. Joy, Chief Secretary, Government of Kerala on the topic "The Journey Inward : Perspectives of Knowledge" was conducted at Senate Chamber, S. H. Campus with Prof. V. P. Mahadevan Pillai, Hon'ble Vice Chancellor as the Chairperson. Dr. Gabriel Simon Thattil, Director, IQAC welcomed the gathering while Prof. G. Prasad, Head, Department of Zoology proposed the vote of thanks.



Department of Sociology & Law

Under the auspices of the IQAC, Department of Sociology, in association with the Department of Law organized to conduct "Meet the Scholar Programme" on Monday, 22nd March 2021 in the Senate Chamber, Palayam Campus, University of Kerala. Prof. Mohan G. Gopal, Former Vice Chancellor, Law University Bangalore and Director, National Law School of India University and Director, National Judicial Academy, Bhopal, spoke on the topic "Social Identity and the Constitution in Contemporary India: The Question of Caste". Prof. (Dr.) V. P. Mahadevan Pillai, Hon'ble Vice Chancellor inaugurated the programme and



delivered the inaugural address. Dr. Antony Palackal, Professor and Head, Department of Sociology, who was the Chief Organizer of the programme, introduced the theme and welcomed the dignitaries and the participants present onsite as well as online. Dr. Sindhu Thulaseedharan, Head, Department of Law, University of Kerala proposed the vote of thanks. The programme was attended by more than 150 participants in the Senate Chamber and nearly 100 participants online in the livestream in YouTube.

Department of Economics

As part of the 'Meet the Scholar Lecture Series' initiative of the Internal Quality Assurance Cell (IQAC), University of Kerala, the Department of Economics organised the Meet the Scholar programme on the topic 'Public Policy in India: Unmasking the Debates' on 25-03-2021. M.H. Suryanarayana, Professor, Indira Gandhi Institute of Development Research (IGIDR), Mumbai, a distinguished alumnus of the Department of Economics, was the resource person for the programme conducted in the online mode. Professor Suryanarayana is a Development Economist with vast experience in providing technical assistance in public policy formulation to various developing country governments including Bangladesh, Botswana, India,

Brunei Darussalam, Nepal, Somalia and Vietnam. He has served as the Indian Council of Cultural Relations (ICCR) Chair in Indian Studies at the King's India Institute, London, Visiting Fellow at the Economic Growth Centre, Yale University, Senior Economic Advisor at the International Poverty Centre, UNDP, Brasilia. Besides, being the editor of the Indian Journal of Agricultural Economics, he has served as a consultant for ADB, OECD, UNDP etc. Prof. Gabriel Simon Thattil, Director, IQAC extended a warm welcome to Professor Suryananrayana and other distinguished. Prof. Anitha, Head, Department of Economics, University of Kerala expressed sincere thanks to Professor Suryanarayana for the enlightening session participants.



MEET THE SCHOLAR LECTURE SERIES

◆ Department of Psychology

On the 31st March, 2021, Meet the Scholar lecture series entitled 'Sexual Harassment' at Workplace was organized by the Department of Psychology under the auspices of the Internal Quality Assurance Cell, University of Kerala. Meet the Scholar lecture series aims to bring in experts from different fields to break new path of knowledge and insight to University students. Keeping this objective, IQAC & Department of Psychology, University of Kerala decided to host a lecture on the topic Sexual Harassment at Workplace. Prof. Dr. J. Anitha Menon, Professor of Health Psychology, University of Zambia was the Resource Person of the day. She is also the founding President of the Psychology Association of Zambia and an astute reviewer of various national and international journals. The lecture series was conducted over Google Meet and was attended by students and teachers of the Department of Psychology as well as from the other teaching Departments of the University. Dr. Bindu P., Head, Department of Psychology, University of Kerala, extended a warm welcome to the key speaker of the lecture, Dr. Anitha Menon, as well as to the Director, IQAC, Dr. Gabriel Simon Thattil, and the teachers and students. Dr. H. Sylaja, Professor, Department of Psychology, University of Kerala expressed wholehearted gratitude to Dr. Menon for her insightful lecture.

INTERNAL QUALITY ASSURANCE CELL & DEPARTMENT OF PSYCHOLOGY UNIVERSITY OF KERALA

MEET THE SCHOLAR Lecture Series

Sexual Harassment at Workplace

Dr. J. Anitha Menon
Professor of Health Psychology
University of Zambia

Prof. J. Anitha Menon is a Professor of Health Psychology in the Department of Psychology, University of Zambia and the Chairperson for University of Zambia Committee on HIV and AIDS. She is also the Founding President of the Psychology Association of Zambia. Prof. Menon holds PhD in Psychiatry/Health Psychology from University of Nottingham, UK. She is the member of the editorial team for the Journal of African Social Research; Journal of Psychology in Africa and Zambian Papers. She also serves as reviewer in various national and international scientific journals and has more than 100 publications on various peer reviewed national and international journals. Currently, she is an EQ Wellness Consultant at Geofluid, Mumbai and a member of the Senate of the University of Zambia.

31 March 2021
6.00 pm

WEBINAR LINK: <https://meet.google.com/cmu-qyfg-sux?hs=224>

◆ Department of Botany

Department of Botany, University of Kerala in association with IQAC conducted a public lecture under the Meet the Scholar lecture series on 31st May 2021. The lecture by Dr. Resmi Varma, Senior Scientist, Clinical Proteomics Core Lab, Department of Pathology, University of California, Davis Medical Center, USA on the topic "Immune Response Dynamics in COVID-19 Patients to SARS-CoV-2 and other Human Coronaviruses" was conducted online.

Department of Botany University of Kerala Thiruvananthapuram

Internal Quality Assurance Cell (IQAC) University of Kerala Thiruvananthapuram

Jointly Organizing 'Meet the Scholar Lecture Series'

Lecture on 31st of May, 2021, Time : 9:30 AM (IST)

"Immune Response Dynamics in COVID-19 Patients to SARS-CoV-2 and other Human Coronaviruses"

Resource person: Dr. Resmi Varma

Coronaviruses have long been recognized as important pathogens that cause respiratory disease in humans. So the seven coronaviruses that can invade humans have been identified, including NL63, HKU1, OC43, SARS-CoV, MERS-CoV, and SARS-CoV-2, causing the present pandemic. Although intensive diagnostic tests have been developed to detect SARS-CoV-2 infection, serological assays are important as a complement to PCR in the diagnosis of infection. Serological methods for detecting SARS-CoV-2 infection will enable the evaluation of several important aspects in the fight against COVID-19: sub-clinical disease missed by molecular diagnostic methods; rising concern of COVID-19 positive individuals; proof of previous infection; making links between clusters to help epidemiological investigations; assessment of COVID-19 vaccine efficacy; and prevalence information to develop effective measures to lower the rate of new infections. COVID-19 serological test must have high sensitivity to wait as specificity to rule out cross-reactivity with common coronaviruses. We have developed a quantitative multiplex test, assessing antibodies against spike proteins of SARS-CoV-2, SARS-CoV, MERS-CoV, and common human coronavirus 229E, and nucleocapsid (N) protein of SARS-CoV virus. Importantly, anti-N antibodies differentiate between vaccinated and infected people. Furthermore, multiplex serological assays enabled the investigation of the dynamics of immune response in COVID-19 patients.

Meeting URL: <https://meet.google.com/haw-zxxv-hya>

Contact: Dr. T. S. Swapan, Professor & Head, Department of Botany, University of Kerala, Thiruvananthapuram
Mobile: +91-97482 26979; E-mail: resmi@ucdavis.edu

Dr. Resmi Varma
Senior Scientist
Clinical Proteomics Core Lab, Department of Pathology,
University of California, Davis Medical Center, USA

Dr. Resmi Varma earned her Ph.D. from Sree Chitra Thirunal Institute of Medical Sciences and Technology, Thiruvananthapuram, and subsequently joined for postdoctoral research at the University of California Davis under eminent Professors (the late James Crowe and Paul Lacey, who is the first one to clone the HIV genome). Dr. Varma holds a senior staff scientist position at Clinical Proteomics Core Lab, Department of Pathology, University of California Davis Medical Center. She has a broad background in infectious pathogen immunology, with specific training and expertise in developing highly efficient and high throughput multiplex approaches for disease-related immune biomarker studies. Dr. Varma is the key researcher in several collaborative national and international infectious disease research with scientists and clinicians in the US, India, Uganda, and Pakistan for the chronic lung infectious disease tuberculosis. The results of her research have been published in peer-reviewed journals including Nature.

◆ Department of Statistics

IQAC in collaboration with the Department of Statistics, University of Kerala has organized talks under "Meet the Scholar" lecture Series on 24, 25, 26 & 28 June 2021. Prof. N. Balakrishnan, McMaster University, Hamilton spoke on the following topics:

- Efficient Likelihood-Based Inference for the Generalized Pareto Distribution
- Family of Mean-Mixtures of Normal Distributions
- Cumulative Residual and Relative Cumulative Residual Fisher Information and Their Properties
- Accelerated Life-Testing of One-Shot Devices: Data Collection and Analysis

INTERNAL QUALITY ASSURANCE CELL & DEPARTMENT OF STATISTICS UNIVERSITY OF KERALA

MEET THE SCHOLAR LECTURE SERIES

Prof. N. Balakrishnan
McMaster University, Hamilton
Prof. N. Balakrishnan is a Distinguished University Professor at McMaster University, Canada. He got President's Award for Excellence in Graduate Supervision and McMaster Students Union Teaching Excellence Award on five occasions. He decorated the place of Editor-in-Chief of 4 & Associate Editor of 11 international journals. He supervised 71 PhD theses. He authored 24 books, 17 volumes & 709 articles. He completed his PhD in 1981 from the Indian Institute of Technology, Kanpur, India. He has 7170 internet citations with h-index 86 & i10 index 600. He is a Fellow of the American Statistical Association, Institute of Mathematical Statistics & Turkish Statistical Association and Elected Member of the International Statistical Institute and an Honorary Member of the Greek Statistical Institute. He has been awarded an Honorary Doctorate Degree from the National and Kapodistrian University of Athens, Greece. Nityanarayanan Balakrishnan received his B.Sc. and M.Sc. degrees in Statistics from the University of Madras, India in 1976 and 1978, respectively. His research interests include distribution theory, ordered data analysis, censoring methodology, reliability, survival analysis, nonparametric inference, and statistical quality control.

Meeting URL: <https://meet.google.com/fax-6fhw-uxf>

24, 25, 26 & 28 June 2021
4:30 P.M. (IST)

Contact: Dr. E.I. Abhilash, Professor & Head, Department of Statistics, University of Kerala, Thiruvananthapuram
Mobile: +91-9849366426
E-mail: rahul@rediffmail.com

I. Efficient Likelihood-Based Inference for the Generalized Pareto Distribution
The Generalized Pareto Distribution (GPD), introduced by Pólya, is widely used to model exceedances over thresholds. It is well known that inference for the GPD is a difficult problem since the estimator is not self-exciting in the sense of the shape parameter and that the GPD violates the classical regularity conditions in the maximum likelihood method. In this talk, I will describe a novel framework for inference for the GPD, which works successfully for all values of the shape parameter ξ . We also derive some asymptotic properties of the proposed estimator and related statistics. Based on these results, confidence intervals and hypothesis tests will be discussed. Monte Carlo simulation results will be presented to demonstrate the performance of the proposed estimator, confidence intervals and hypothesis tests. Finally, two real examples will be presented to illustrate all of the inference methods discussed.

II. Family of Mean-Mixtures of Normal Distributions
In this talk, I will introduce the family of distributions which are mixtures of multivariate normal distributions. I will then discuss several properties and inferential methods, and finally illustrate with some data sets.

III. Cumulative Residual and Relative Cumulative Residual Fisher Information and Their Properties
In this work, I will describe cumulative residual Fisher information and relative cumulative residual Fisher information measures and establish some of their properties. I will first show that these cumulative Fisher measures can be expressed based on the hazard function. I will then define extended versions of cumulative residual entropy and cumulative residual Fisher information measures based on the hazard function. I will also discuss connections between these information measures based on a new version of the Cramér's identity for survival functions.

IV. Accelerated Life-Testing of One-Shot Devices: Data Collection and Analysis
In this talk, I will explain the pros of an accelerated device testing analysis. After giving some motivating data sets, I will describe different methods of inference and also discuss inferential methods and optimal designs under constant stress (CSALT) and step-stress (SSALT) accelerated tests. Several real-life examples and simulation study results will be presented to illustrate all of the models and inferential methods described.

MEET THE SCHOLAR LECTURE SERIES

◆ Department of Tamil

Department of Tamil, University of Kerala in association with IQAC conducted a public lecture under the Meet the Scholar lecture series on 26th June 2021. The lecture by Smt. K. V. Jeyasri, Well renowned writer, from Thiruvannamalai, Tamilnadu on the topic "Towards Translation" was conducted in online mode.

Department of Tamil
University of Kerala
Thiruvananthapuram

Internal Quality Assurance Cell
(IQAC)
University of Kerala
Thiruvananthapuram

Jointly Organizing

'Meet the Scholar Lecture Series'

Lecture on 26th of June, 2021, Time : 11.00 AM (IST)

Topic: Towards Translation...

Resource person: Smt.K.V.JEYASRI

This speech creates an innovative force to inculcate the importance of translation and to understand the effective bond between Tamil and Malayalam languages and literature. This speech also HIGHLIGHTS the richness of socio-economic, political values shared by the Tamil and Malayalam literatures. It brings out the delicacy and nuances of translation through healthy discussion. Translation isn't a natural process, so any languages that need to be translated should be undertaken by experienced translators who know both the source and targeted languages well. One of the common challenges in translation is having a deep understanding of not just the language but also the culture of the two languages that need to be translated. Translators need to be completely familiar with both language rules and the speaker's habits in order to be able to do an effective translation between two languages.

Meeting URL: <https://meet.google.com/soh-iytd-nna>

Contact : Dr.P. Jeyakrishnan , Professor and Head,
Dept.of Tamil,University of Kerala
Mobile No: 9447222571, E-mail: pjkttamil@gmail.com

Smt. K.V.JEYASRI,
Well renowned writer
Thiruvannamalai District
Tamilnadu.

The renowned writer Smt. K.V.JEYASRI has been translating many well known Malayalam classics into Tamil for over two decades. The uniqueness of her work is that it captures the flow of the native language in all its richness. A careful reader will not see the translator's presence in her work. Smt. Jeyasri's passion for work, and her commitment in her approach to work stand out exceptionally. Her work has journeyed with the Malayalam legends like Paul Zacharia Ayyappan, Sambhath Chikhalan, Mampi Kuroor, and K.V. Mahalingam. She has also been recognized for her remarkable contributions, Thiruppur Tamil Sanga Award and Nall Thirai Ezhum Award are only two of them. The jewel in the crown is the 2019 Sahitya Academy award for her novel "Nalam Poochu Malarnthu Nat". This award was soon followed by her next novel "Ushinvaran". The Tamil readers are richly blessed to have such a wonderful translator like K.V.JEYASRI. Her novel "Nalam Poochu Malarnthu Nat" is being taught to post graduate students in colleges and universities.

◆ Department of Physics

IQAC in collaboration with the Department of Physics, University of Kerala organised a Webinar as part of "Meet the Scholar" Lecture Series on 11th November 2021 in the online mode with Padmashri Prof. Dipankar Banerjee, Professor Emeritus, Department of Materials Engineering, Indian Institute of Science, Bangalore as the Resource Person. Prof. Dipankar Banerjee spoke on the topic 'Science, Technology and Society'.

INTERNAL QUALITY ASSURANCE CELL
&
DEPARTMENT OF PHYSICS
UNIVERSITY OF KERALA
(Reaccredited by NAAC with "A" Grade
NIRF Ranking 2021- 27th among universities in India)

Meet the Scholar
52 WEEKS LECTURE SERIES

PADMASHRI PROF. DIPANKAR BANERJEE

Professor Emeritus, Department of Materials Engineering, Indian Institute of Science, Bangalore.
Former Chief Controller Research and Development (Aeronautics and Materials Sciences) and Distinguished Scientist, DRDO.
Former Director, Defence Metallurgical Research Laboratory.

Topic: Science, Technology and Society

Nov 11, 2021
5.30 P.M.

Please join via google meet link
<https://meet.google.com/tpp-cxze-hiu>

HOW SCIENCE ACTUALLY WORKS

Thomas Kuhn
The Structure of Scientific Revolutions

the criteria still are not "objective" in the usual sense of the word because individual scientists reach different conclusions with the same criteria due to valuing one criterion over another or even adding additional criteria for selfish or other subjective reasons.

THE SCIENTIFIC METHOD
"HOW ARE THE FACTS? MUST CALCULATE OR DO THE PROOF FROM 'SHEK'?"

THE CRUCIAL PATTERN
"KEEP THE CRUCIAL. WHO'S FACTS ARE WE FIND TO SUPPORT IT?"

"A new scientific truth does not triumph by convincing its opponents and making them see the light, but rather because its opponents eventually die, and a new generation grows up that is familiar with it."
Max Planck

Self interest matters!
Social values matter!
Sources of funding matter!

MEET THE SCHOLAR LECTURE SERIES

◆ Centre for Adult and Continuing Education & Extension

CACEE, University of Kerala and IQAC jointly organised an interaction with renowned magician, Sri. Gopinath Muthukad as part of the programme 'Meet the Scholar'. The event was held on 10th November 2021 at the Seminar Hall, Department of Aquatic Biology and Fisheries, Kariavattom Campus. The Hon'ble Vice Chancellor delivered the key note address.



CRITERIA WISE WORKSHOP FOR NAAC SELF STUDY REPORT

IQAC hosted special orientation workshops on compilation of Self Study Report as part of the accreditation process for University of Kerala. This four day workshop was hosted in March 2021 (on 17, 23, 24 and 25) focusing on each of the NAAC Criteria on SSR. Criteria Conveners presented the data, following with discussion and deliberation were held on strengthening the report. The sessions were chaired by the Hon'ble Vice Chancellor Prof. (Dr.) V. P. Mahadevan Pillai. The Hon'ble Pro Vice Chancellor Prof. (Dr.) P. P. Ajay Kumar, Members of the Syndicate and Statutory Officers participated. The workshop had more than 80 teachers as delegates.

OBE ORIENTATION WORKSHOP

As directed by the Hon'ble Vice Chancellor, a Special Workshop on OBE was organized by IQAC on April 8 & 9, 2021 with four sessions.

Prof. V. P. Mahadevan Pillai, Hon'ble Vice Chancellor inaugurated the workshop. This Workshop was hosted for all the faculty members of the University considering our implementation of OBE curriculum. Prof. N. J. Rao, Professor of IISc (Retired), Bengaluru was the Resource Person.

Outcome Based Education (OBE)

- OBE model was introduced by William Spady in early 90s for American School system and eventually adapted by higher education systems.
- Outcome-based education is an approach to education in which decisions about the curriculum and instruction are driven by the exit learning outcomes that the students should display at the end of a program or a course.
- OBE requires establishing the conditions and opportunities within the system that enable and encourage all students to attain those identified exit learning outcomes.
- OBE gives top priority to ends, purposes, learning, accomplishments, and results.



HANDS-ON ONLINE WORKSHOP ON LMS

University of Kerala has moved into the Outcome Based Curriculum Framework and the same is being delivered through the Moodle LMS. Several training sessions have been organized in this regard and curriculum delivery has been initiated through LMS for students from the 2020 admission. As part of a final support on use of LMS, a Hands-on Online Workshop was conducted on, 14th and 16th June 2021 with Dr. Satheesh Kumar K., Head, Department of Futures Studies as the Resource Person. Prof. P. P. Ajayakumar, Hon'ble Pro-Vice-Chancellor inaugurated the workshop. This Workshop was hosted for all the faculty members of the University considering our implementation of OBE curriculum.

TRAVEL THROUGH NOBEL WINNERS PROGRAMME

Prof. Martin Chalfie Nobel Laureate - Chemistry 2008

IQAC, Department of Zoology, Department of Aquatic Biology & Fisheries, Department of Chemistry and AcREM-Stem, University of Kerala in association with Central University of Kerala, Kasaragod organized a Nobel Laureate Talk under the scheme "Travel Through Nobel Winners" on Monday, 19th July 2021, in the online mode. The talk was presented by Prof. Martin Chalfie (Nobel Laureate - Chemistry 2008), University Professor and Former Chair, Department of Biological Sciences, Columbia University, USA.

ORGANISED BY:
UNIVERSITY OF KERALA & CENTRAL UNIVERSITY OF KERALA

19
JULY
2021
5.30 PM

Travel Through
NOBEL
WINNERS
DISTINGUISHED
LECTURE SERIES

MEETING ID
994 8876 0418
PASSCODE
014643

TOPIC:
THE CONTINUING
NEED FOR USELESS
KNOWLEDGE

A Program by
Distinguished Lecture
Series Committee, IQAC,
Dept. of Zoology,
Dept. of Aquatic Biology
and Fisheries,
Dept. of Chemistry &
AcREM-Stem
University of Kerala

Prof. (Dr.) V. P. Mahadevan Pillai
Coordinator, University of Kerala
Introduction of the Speaker:
Dr. Swapna S Nair
General Convener, IQAC

Prof. (Dr.) Martin Chalfie
Introduction Moderator:
Prof. (Dr.) A. Biju Kumar
Convener, Travel Through Nobel Winners
Program Committee, University of Kerala

Topic of the Day:
Dr. L. Divya

Over 40 years ago, the educator and first director of the Princeton Institute for Advanced Study Abraham Flexner wrote an article in Harper's Magazine entitled "The Usefulness of Useless Knowledge". In this article, he states, "I sometimes wonder, whether our conception of what is useful may not have become too narrow to be adequate to the soaring and capricious possibilities of the human spirit," and he argues that real discoveries are made when scientists are allowed to explore the world without recourse to usefulness. Several Nobel prizes have been given for discoveries tangential to what was initially studied. I will argue that "useless knowledge" is needed as much today as in the past for the advancement of industry and medicine and suggest ways that we can encourage the finding of the unexpected, the discoveries that enable future revolutions.

Programme Schedule
Program Introduction
Prof. (Dr.) Gabriel Simoes Thattai,
Director, IQAC, University of Kerala
Welcome Address:
Prof. (Dr.) H. Venkateshwarlu
Convener, IQAC, University of Kerala
Introductory Remark:
Prof. (Dr.) V. P. Mahadevan Pillai
Coordinator, University of Kerala
Introduction of the Speaker:
Dr. Swapna S Nair
General Convener, IQAC

Biography
Martin Chalfie, University Professor in the Department of Biological Sciences at Columbia University, shared the 2008 Nobel Prize in Chemistry to introduce Green Fluorescent Protein (GFP) as a biological marker.
Dr. Chalfie obtained his A.B. and Ph.D. from Harvard University and did postdoctoral research with Sydney Brenner at the MRC Laboratory of Molecular Biology, Cambridge, England.
As a postdoctoral fellow, Martin Chalfie with Arlin Solomon established the first genetic model for mechanotransduction using the nematode *Caenorhabditis elegans*. He and his lab subsequently used molecular, genetic, and electrophysiological means to study neuronal specification, differentiation, outgrowth, and degeneration, microtubule structure and function, and mechanosensory transduction and its modulation in *C. elegans*.
Dr. Chalfie is a past president of the Society for Developmental Biology and the current president-elect of the American Society for Cell Biology. He is also a past president of the Human Rights of the National Academies of Sciences, Engineering, and Medicine.

Prof. Roald Hoffmann Nobel Laureate - Chemistry 1981

IQAC and Dept. of Chemistry, University of Kerala hosted the event with Nobel laureate in Chemistry, Prof. Roald Hoffmann of Cornell University on 10th August, 2021 through online mode. This talk was titled as 'Chemistry's essential tensions: Three views of a science in culture'. The wonderful, thought-provoking talk was followed by very fruitful discussion where several participants raised queries. To one query about the duality of curiosity vs utility in science research, the Professor explained that one should teach students how to think. He expressed his happiness that his work of concerted reactions, although did not personally yield him any patent, thousands of patents had emerged from his findings on concerted reactions. He opined that both creativity and utility should be encouraged equally. The entire presentation of Prof. Hoffmann is available on the e-content channel - KU Padasala.

PROF. ROALD HOFFMANN
NOBEL LAUREATE IN CHEMISTRY
POET, PHILOSOPHER

10
AUGUST
2021
5.30 PM

TRAVEL THROUGH
Nobel Winners
DISTINGUISHED LECTURE SERIES

TOPIC:
CHEMISTRY'S ESSENTIAL
TENSIONS: THREE VIEWS OF A
SCIENCE IN CULTURE

ORGANIZED BY
DEPARTMENT OF CHEMISTRY
IN ASSOCIATION WITH
IQAC, UNIVERSITY OF KERALA

MEETING ID
817 7861 3140
PASSCODE
981152

PROGRAM COORDINATOR: DR. JAYASREE E. G.
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Prof. (Dr.) V. P. Mahadevan Pillai
Coordinator, University of Kerala
Introduction of the Speaker:
Dr. Swapna S Nair
General Convener, IQAC

Prof. (Dr.) Martin Chalfie
Introduction Moderator:
Prof. (Dr.) A. Biju Kumar
Convener, Travel Through Nobel Winners
Program Committee, University of Kerala

Topic of the Day:
Dr. L. Divya

Topic: This generously illustrated lecture several views of chemistry will be presented, stressing its artistic and psychological dimension. First of all, chemistry is, as it has always been, the art, craft, business of substances and their transformations. It is now also the science of microscopic molecules, both simple and complex. And then there are people's perceptions of chemistry - the ambivalence about benefit and harm that figures in these perceptions may be viewed as a problem, but it is also a life-giving mission. For it is the way we feel about people too. The underlying psychological tensions of chemistry will be explored, as will the strong element of creation or synthesis in chemistry, which brings chemistry close to the arts.



FACULTY DEVELOPMENT PROGRAMME (FDP)

The meeting of the Committee for the conduct of Faculty Development Programme for teachers was held on 18th February 2021 (Thursday) with Prof. (Dr.) V. P. Mahadevan Pillai, Vice Chancellor as Chairperson and Dr. Radhamany P. M., Professor, Dept. of Botany as Convener. The meeting discussed the proposal from Teaching Learning Centre (TLC), IIT Madras and resolved to seek their support for Faculty Development Programme for University of Kerala teachers. The meeting resolved to have training in two phases:

Phase 1, as per the schedule prepared and approved by TLC, IIT Madras and Phase 2 with invited trainers and speakers as per the requirements of the University.

The training programme would be undertaken through UGC - HRD Centre of the University.

NAAC SELF STUDY REPORT - ONLINE CRITERIA WISE PRESENTATION

IQAC hosted online criteria wise presentation on May 15, 17, 18 and 19, 2021 of Self Study Report as part of the accreditation process for University of Kerala. Criteria Conveners presented the data, following with discussion and deliberation were held on strengthening the report.

SUBMISSION OF ANNUAL QUALITY ASSURANCE REPORT (AQAR) 2019-20

The Annual Quality Assurance Report (AQAR) covering the period 1st July 2019 to 30th June 2020 was submitted via online to NAAC on 27th August 2021 under the supervision of Dr. Sheeja S. R., Professor, Department of Economics.

SUBMISSION OF NAAC – SELF STUDY REPORT (SSR)

The Institutional Information for Quality Assessment (IIQA) for National Assessment and Accreditation Council (NAAC) accreditation was filed on 18th June 2021, the same was approved by NAAC on 24th August 2021. Subsequently, the portal for filing Self Study Report (SSR) was opened for uploading of data. The SSR was submitted to NAAC on 21st November, 2021 by the Hon'ble Vice Chancellor.



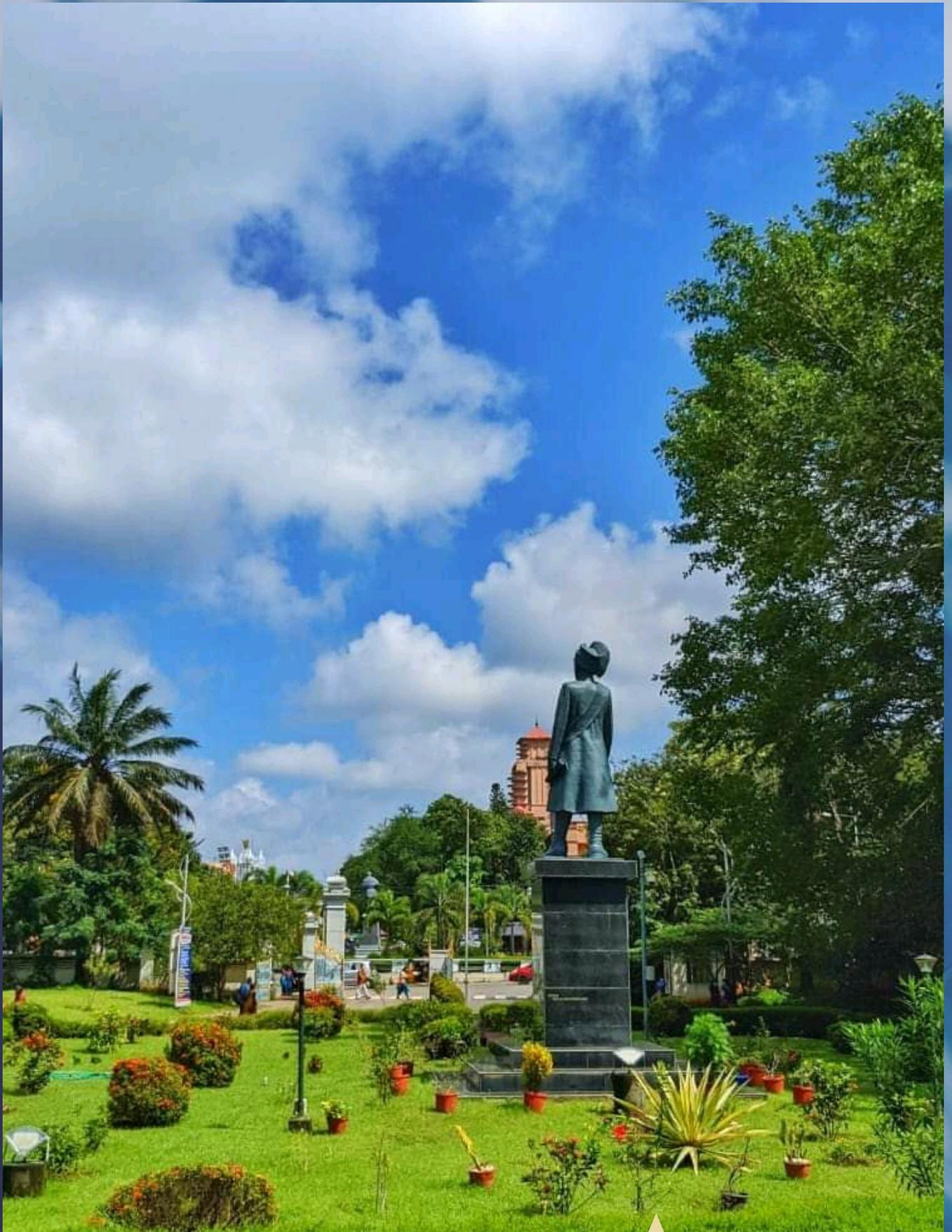
NIRF RANKING 2021

University of Kerala was ranked 27th in India by NIRF, 2021 with top most position in the state.

MERITORIOUS RESEARCH ACHIEVEMENT AWARDS

University of Kerala initiated annual cash awards for teachers manifesting excellence in Academic Performance and Research. Meritorious Research Achievements Awards for the year 2020 were distributed by the Hon'ble Vice Chancellor, Prof. V.P. Mahadevan Pillai on 23rd September 2021, at the Seminar Hall, Department of Aquatic Biology & Fisheries, University of Kerala, Kariavattom. The Hon'ble Pro Vice Chancellor and Members of the Syndicate and other dignitaries also were present.





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