UGC - HUMAN RESOURCE DEVELOPMENT CENTRE
MIZORAM UNIVERSITY
TENTATIVE SCHEDULE
2020 – 2021

Faculty Induction Programme			
1	Orientation Course - 30	14th Jul. 2020	3rd Aug. 2020
2	Orientation Course – 31	1st Sep. 2020	21st Sep. 2020
3	Orientation Course – 32	9th Feb. 2021	1st Mar. 2021
4	Orientation Course - 33	23rd Mar. 2021	12th Apr. 2021
Refresher Course (Inter/Multi-Disciplinary)			
5	Culture Studies	6th Oct. 2020	19th Oct. 2020
6	Earth Sciences – Geochronology	18th Nov. 2020	1st Dec. 2020
7	Life Sciences: Synthetic Biology	2nd Jul. 2020	15th Jul. 2020
8	Engineering & Technology	27th Oct. 2020	9th Nov. 2020
9	Cognitive Economics: Management & Information Sciences	2nd Mar. 2021	15th Mar. 2021
Additional Refresher Courses			
10	Summer School - Tribal Studies	11th Aug. 2020	24th Aug. 2020
11	Winter School - Comparative Literature & Cultural Studies (Indian & Native Languages)	3rd Dec. 2020	16th Dec. 2020
Short Term Courses			
12	Professional Development Course for Non-teaching Staff	17th Dec. 2020	19th Dec. 2020
13	Research Methodology - I	7th Jul. 2020	13th Jul. 2020
14	Research Methodology – II	10th Nov. 2020	16th Nov. 2020
15	Applied Statistics	22nd Sep. 2020	28th Sep. 2020
Workshop			
16	Leadership Development Programme - I	5th Aug. 2020	7th Aug. 2020
17	Leadership Development Programme – II	3rd Mar. 2021	5th Mar. 2021
18	MOOCs, Online Courses & Open Educational Resources	21st Oct. 2020	23rd Oct. 2020
19	e-Content Development and Online Pedagogy	26th Aug. 2020	28th Aug. 2020
20	Interaction Programme for Ph.D. Research Scholars / Post-Doctoral Fellows	10th Nov. 2020	16th Nov. 2020

Notes :
1. Application form is downloadable from www.hrdcmzu.in
2. Courses will be conducted subject to availability of fund and requisite number of participants.
3. Contact email id : ugchrdc@gmail.com

Sd/-
Director
UGC-HRDC Mizoram University

NIRDPR

E-Training Programme on
Biodiversity Governance in India
30th August – 3rd September 2021

The NIRDPR, Hyderabad is Organizing an e-Training programme during 30th August to 3rd September 2021 from 2.30 to 5.30 PM daily in English on "Biodiversity Governance" for the officials of Panhayati Raj, Rural Development, Agriculture, Animal Husbandry, Fishery, Forestry, Horticulture, Sericulture, Soil Conservation departments, State Biodiversity Boards, State Rural Livelihood Missions, faculties of SIRDs, Universities, Research Institutes, Master Trainers, elected representatives of PRIs and functionaries of NGOs . The programme basically covers: Theme-I: Genesis of Biological Diversity Act and Governance. Theme-II: Biodiversity Planning and management. Theme-III: Conservation & Convergence. To compensate the face-to-face contact classes and field visits, a well-structured demonstrations through short films, case study discussions and exercises have been planned for the program.

Dr R K Maikhuri
Prof & Head, Department of Environmental Sciences, HNB Garhwal University (Central University), Srinagar

COURSE TEAM

Dr. Ravindra S Gavali
Prof & Head, CNRM,CC&DM
Dr. Subrat Ku Mishra
Assoc. Prof., CNRM,CC&DM
Dr. K Krishna Reddy
Assoc. Prof., CNRM,CC&DM

Date	Topic	Resource Person
30.08.21 2:30 – 4:00 pm	Inauguration and Key Note Address Overview of Biodiversity	Dr R K Maikhuri Prof & Head, HNB Garhwal University (Central University) Srinagar
4:00 – 5:30 pm	Biodiversity Act and its institutional mechanism for implementation	Dr Shilpi Sharma Telangana State Biodiversity Board
31.08.21 2:30 – 4:00 pm	Conservation of Biodiversity - Basic Principle and Approaches	Dr K Krishna Reddy Associate Professor
4:00 – 5:30 pm	Conservation of Agricultural Biodiversity for Environmental Management	Dr Ravindra S Gavali Professor & Head CNRM, CC & DM, NIRDPR
01.09. 21 2:30 – 4:00 pm	Access & Benefit Sharing Mechanism in Biodiversity Governance	Dr Subrat Ku Mishra CNRM, CC & DM, NIRDPR
4:00 – 5:30 pm	Integrating Biodiversity Conservation with Gram Panchayat Development Plan	Dr C. Kathiresan Asso Prof & Head CPR, NIRDPR
02.09. 21 2:30 – 4:00 pm	Preparing People's Biodiversity Register	Dr Ravindra S Gavali Professor & Head
4:00 – 5:30 pm	Geo-Spatial Technology in Biodiversity Mapping	Dr Kiran Jalem Asst Professor CNRM, CC & DM, NIRDPR
03.09.21 2:30 – 4:00 pm	Convergence among the flagship programmes for sustainable use of Biodiversity	Dr V Suresh Babu NERC, NIRDPR Participants Course Team
4:00 – 5:30 pm	Evaluation of the programme Valediction	

CNRM, CC & DM
National Institute of Rural Development & Panchayati Raj, MoRD, Govt of India
Hyderabad-500030
Phone: +919371156628
E-mail: cnrm.nird@gmail.com

Free Registration:
https://cutt.ly/vQPg4kq
Note: Enter your email/phone and search, then add personal details to submit
Certificate on successful course completion

About the Programme

The primary objective of the ATAL Academy is to plan and help in imparting quality technical education in the country and to support technical institutions in fostering research, innovation and entrepreneurship through training. The Academy stresses upon empowering technical teachers and techniques using Information and Communication Technology. It also aims at utilizing SWAYAM platform and other resources for delivery of the trainings.

About Institute and Department

Mizoram University(MZU) was created by an Act of Parliament (No. 8 of 2000). The campus has an area of about 978 acres in the midst of natural beauty and scenic hills at the western part of the capital city of Aizawl. Mizoram University was accredited 'A' grade by NAAC in 2019. The University was ranked as one of the top 100 Universities in India, assessed by the NIRF rankings in 2016, 2017 and 2018 under MHRD. The University has 33 functioning academic departments offering UG, PG, M.Phil. and Ph.D. programmes under 8 Schools of Study. The University has 35 affiliated colleges and one constituent college.The Department of Electrical Engineering has been playing a pivotal role in producing scientists and technologists. The Department is offering B. Tech., M.Tech.(Power and Energy Systems Engineering), and Ph. D programs to cater to the ever challenging needs of technical excellence in all areas of Electrical and Energy Engineering.

Course Outline

- Conventional Energy Sources
- New Energy Sources
- Converters and Storage Devices
- Clean Energy Technology
- Microgrid and Smart-grid Systems
- Sustainable Solution for Energy Access and Security

This workshop would be will be a great platform to get introduced to the application proximity and the tangible areas of innovation from experts.

Who Can Attend?

Faculty members of the AICTE approved institutions, PG/Research scholars, participants from Government, Industry (Bureaucrats/Technicians/Participants from Industry etc.)/School Teachers and staff of host institutions.

Registration

There is no registration fee for the course. Seats are limited. Online Registration link will be provided ATAL/ institute websites.

Link of AICTE ATAL portal:

https://atalacademy.aicte-india.org/signup

Advisory Committee

Chief Patron:
Prof. K.R.S. Sambasiva Rao, Vice Chancellor, MZU
Patron:
Prof L. Lolit Kumar Singh, Dean, SET, MZU
Coordinator:
Dr. Asim Datta, Associate Prof., Dept. of EE, MZU
Organizing Committee:
Dr. Amarendra Matsa**,** Dept. of EE, MZU
Ksh Robert Singh, Dept. of EE, MZU
Dr. Subir Datta, Dept. of EE, MZU
Dr. Sadhan Gope, Dept. of EE, MZU
Dr. Subhasish Deb, Dept. of EE, MZU

AICTE Training and Learning (ATAL)

Academy Programme

One Week Online Faculty Development Programme
on
Energy Engineering
(23rd – 27th August 2021)

Organized by
Department of
ELECTRICAL ENGINEERING, MIZORAM UNIVERSITY

Contact Us
Dr. Asim Datta
Associate Professor and HOD,
Dept. of EE, Mizoram University,
Phone: 8131880802
Email: mzut224@mzu.edu.in

Resource Persons

Prof. Hiranmay Saha, CEGESS, Indian Institute of Engineering Science and Technology, Shibpur

Prof. Samarjit Sengupta, Applied Physics, University of Calcutta, Kolkata.

Prof. Prasanta Kumar Dey, Aston Business School, Aston University, UK

Prof. Pradip Kumar Sadhu, Electrical Engineering, Indian Institute of Technology, Dhanbad

Shri. K.Boopathi, Director, R& D-RDAF National Institute of Wind Energy (NIWE)- Chennai

Prof. Nalin Behari Dev Choudhury, Electrical Engineering, National Institute of Technology -Silchar

Prof. V. Manikandan, Electrical and Electro. Engineering, Coimbatore Institute of Technology, Coimbatore

Shri. Vishal Y. Khalde, CEO, Xeon Waste Managers Pvt. Ltd.- Pune

Dr. Jai Govind Singh Energy, Envir. and Climate, Asian Institute of Technology , Bangkok

Dr. Pauline Lallianzuali Vanchhawng, Chief Medical Officer, Mizoram University

Dr. Partha Sarathee Bhowmik, Electrical Engineering National Institute of Technology - Durgapur

Shri S.K. Tiwary, Sr.GM, POWERGRID Corp., Aizawl

One-Week AICTE ATAL Online Faculty Development Programme (FDP) on Energy Engineering (23rd – 27th August, 2021)
Organized by: Department of Electrical Engineering, Mizoram University

भारतीय प्रौद्योगिकी संस्थान गुवाहाटी
Indian Institute of Technology Guwahati

Online workshop

Environmental Genomics and Genome Editing

February 23rd – 27th 2021

Conducted by:
Centre for the Environment, IIT Guwahati

Workshop Coordinator
Prof. Utpal Bora
Dept. of Biosciences & Bioengg.
Centre for the Environment

Organized by:
Knowledge Incubation for TEQIP
Centre for Educational Technology
URL: http://www.iitg.ac.in/cet

ABOUT THE EVENT

Environmental genomics is an interdisciplinary field that brings together knowledge on the past and the present organisms and ecosystems, through the analysis of the gene sequences, genomes, metagenomes, transcripts, transcriptomes and metatranscriptomes. Environmental genomics provides a wealth of information on the taxonomy and diversity of current and fossil organisms, their phylogeny and evolution. It also focusses on their potential and ability to adapt and acclimatize, their functional traits and their interaction with the biotic and abiotic factors of the environment. Metagenomics is extensively used to study microbial communities in various area of research including animal health, human biology, food and agriculture, etc. The application of metagenomics in ecology and environmental research helps in understanding the microbial composition and diversity indicating well-being or vulnerabilities of an ecosystem.

In modern biology, genome editing is one of the most promising technologies for radical transformation of human kind. The Nobel Prize in Chemistry 2020 was awarded to Emmanuelle Charpentier and Jennifer A. Doudna for development of genome editing tool, CRISPR/Cas9. With advent of genome editing tools like ZNF, TALEN and most importantly CRISPR-Cas9, there has been an unprecedented development primarily in curing genetic disease of human and improving productivity of crops. In the same time, the world is facing impending threats from environmental degradation and ecological loss. Application of genome editing technologies in ecology and ecological research will help to address the problems of conservation.

The workshop is designed for faculty members and young researchers to give them an overview of state-of-the-art genomic and genome editing technologies. This workshop aims to make the participants learn key concepts, familiarize them with the developments in techniques and tools and make them aware of the scopes and potential applications of these technologies in ecology and environmental research. The five-day workshop will include theoretical lectures on metagenomics and genome editing along with a hand-on-training on metagenomics data analysis with bioinformatics.

CONTENTS OF THE WORKSHOP

- Fundamentals of metagenomics
- State-of-the-art and applications of metagenomics in ecology and environmental research
- Fundamentals of genome editing technologies
- State-of-the-art and applications of ZFN, TALEN and CRISPR-CAS9 genome editing tool
- Applications of genome editing tools in ecology and environmental research
- Bioethics and Intellectual Property Rights for genome editing
- Hand-on-training on metagenomics data processing and analysis using bioinformatics and other computational tools

Topics to be covered

- Pedagogy Session emphasized on environmental science education.
- Tools and techniques for metagenomics.
- Introduction to analysis of metagenomics data.
- Metagenomics and infectious diseases.
- Metagenomics and ecosystem biology.
- Genome Manipulation: Natural & Artificial.
- Genome editing tools in environmental health research.
- Engineering brand new proteins for environmental applications
- CRISPR, ZFN and TALEN: Basics & Applications.
- Processing of raw metagenomics data.
- Metagenomics data assembly.
- Metagenomics data retrieval and analysis tools.
- Functional annotations of metagenomics data.
- Biosafety and IPR issues in metagenomics.
- Ethical concerns of Genome Editing.
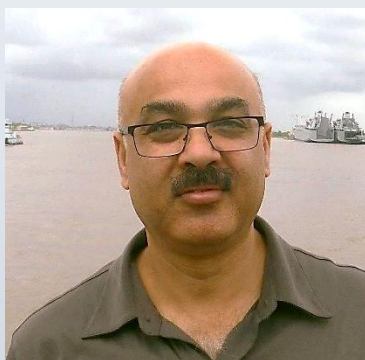
LIST OF INSTRUCTORS/SUBJECT EXPERTS:

Prof. Utpal Bora
Department of Biosciences and Bioengineering
IIT Guwahati

Prof. Ananthakrishnan Srinivasan
Department of Physics
IIT Guwahati

Prof. Ranjan Tamuli
Department of Biosciences and Bioengineering
IIT Guwahati

Dr. Jayanta Biswa Sarma
Centre for the Environment
IIT Guwahati,
National Health Service
United Kingdom

Dr. Dinesh Kumar
ICAR-Indian Agricultural Statistics Research
Institute
New Delhi

Dr. Mir Asif Iquebal
ICAR-Indian Agricultural Statistics Research
Institute
New Delhi

ELIGIBILITY

The event is open to Faculty members and students with background of Biotechnology/Biomedical/Bioprocess/Chemical/Civil/Environmental engineering/Food technology/Bioinformatics/Zoology/Botany and allied fields from TEQIP mapped Institutions/Engineering Colleges/ATUs. Participation is also open to Faculty members and Research Scholars from non-TEQIP-III institution upon submission of a fee as described in the brochure.

MODE OF EVENT

Online

REGISTRATION FEE

Registration fee is free for participants from TEQIP-III mapped institutions.

For participants from non-TEQIP-III institutions, a registration fee of 2950 INR (2500 INR + 18% GST) is charged. The fee has to be deposited through a demand draft drawn in favor of Registrar, IIT Guwahati, Guwahati, Assam 781039. DD must reach IITG by 17/02/21 for consideration.

IMPORTANT DATES

The last date for the receipt of duly sponsored application:
Scanned copy (by email): ~~12/02/21~~ **Extended till 20/02/21**
Hard copy must reach by: ~~17/02/21~~ **Extended till 21/02/21**
DD for registration fee (non-TEQIP-III institutions) must reach by:
~~17/02/21~~ **Extended till 21/02/21**
Intimation of selection: 18/02/21 **Extended till 22/02/21**

SELECTION CRITERIA

Selection will be based on First cum first served basis. For participants from non-TEQIP-III selection is subject to the deposition of prescribed fee.

Issue of the participation certificate is subjected to satisfactory attendance of the participant in the workshop.

ADDRESS FOR CORRESPONDENCE

Workshop Coordinator: Prof. Utpal Bora

Centre for the Environment/Department of Biosciences & Bioengineering
Indian Institute of Technology Guwahati
Guwahati- 781 039
https://www.iitg.ac.in/ubora/

Application Form

1. Name (block letters):

2. Sex: ☐ Male   ☐ Female

3. Category: ☐ General   ☐ Reserved

4. Highest Academic Qualification:

5. Specialization:

6. Designation & pay scale:

7. Name of the organization:

8. Experience:

    (a) Teaching: (b) Industrial:

9. Address for communication:

  Pin code: Mobile No.:

  E-mail:

10. DD details (for non-TEQIP-III institutions)

Bank   DD No.

Please register me for the online workshop on **"Environmental Genomics and Genome Editing"** to be held at IIT Guwahati.

I am sending an advance copy of this application by email to the coordinator of the course.

I undertake to send the Hard copy signed by the Head of my Institution.

Place:

Date: *Signature of the applicant*

E-mail the scanned copy of this form and DD to-   **egenomedit@gmail.com**

SPONSORSHIP / NOMINATION CERTIFICTE

Prof/Dr./Mr./Ms./Mrs./ ....

....

is an employee of our institute and his/her application is hereby sponsored/nominated. The applicant is permitted to attend the online workshop **"Environmental Genomics and Genome Editing"** organized by IIT Guwahati during 23/02/21 to 27/02/21 if selected.

I also certify that our institute/college, is/is not under the "Institution List" of 3rd phase of TEQIP Project of MHRD.

Date   Signature of Authority

                                                                        Designation

                                                                        Official Seal

Selected participants will be informed by e-mail. The duly sponsored/nominated application form should be mailed to:

Prof. Utpal Bora

Center for the Environment

Indian Institute of Technology, Guwahati
North Guwahati, Guwahati-781 039, Assam
Ph. No. 0361-258 3204
Email: ubora@iitg.ac.in

ABOUT TEQIP

TEQIP conceived in pursuance of the NPE-1986 (revised in 1992) by Govt. of India as a long term program to be implemented in different phases. After successful execution of TEQIP II, TEQIP III starts from 2017-18 as Central Sector Scheme with a focus on the Low Income States, Northeast, Hill States and Islands. The third phase of TEQIP is also special in a way that it incorporates twinning arrangements between mentee & mentor institutions with an emphasis on Focused Training (PT) and Focused Interventions from IITs in terms of deliverables and accountability. KIT, established at IIT Guwahati under 2nd phase of TEQIP is a focal point for training Faculty, Staff and students from TEQIP-III institutions in Knowledge Engineering, Content Creation, Improving Teaching, Pedagogy & administrative skills in identified niche areas/disciplines.

ABOUT KIT

KIT (**K**nowledge **I**ncubation Cell for **T**EQIP) at IIT Guwahati functions as a multi-disciplinary as well as interdisciplinary Innovation Incubation Centre with a focus to impart Knowledge, infusing innovation and leading a path to achieve academic excellence. Its activities are in the area of improving quality of technical education, incubator of Innovative Ideas; implementer of contemporary pedagogy practices and development of Learning Content in Technical institutions while mentoring them.

ABOUT IIT GUWAHATI

SNAP OF CAMPUS

IIT Guwahati campus is spread over a sprawling 785 hectares plot of green land on the north bank of the river Brahmaputra around 25 km from the heart of the city. With hills and vast open spaces, the campus provides an ideal setting for training.

Website: https://www.iitg.ac.in/env/teqip_ub

About DTU

With a history stretching back over 69 years, providing an academic milieu amid adequate space for ingenious research as an integral part of curriculum design, Delhi Technological University is strongly identified with engineering education in India. The University has been a forerunner, and led the way in reform movement maintaining a compatibility with values and professional morality. DTU takes pride in being one of the major contributors in planning and construction of India's infrastructure. In DTU we endorse and cultivate the purity of mind as the strongest currency, with an impressive resolve to renovate and upgrade our knowledge infrastructure. DTU aspires to be ranked amongst the leading universities globally. Consequently, DTU's mission is to edify individuals to be competitive not only in India, but all over the world.

About the Center

To create awareness, inspiration among the students and teachers about the need of higher dimensions of education in becoming enlightened citizenship which is achieved by imparting techniques and knowledge for promoting human values and thereby making better engineers with the better use of ethics and moral values in professional and personal lives.

Patron
Prof. Yogesh Singh
Hon'ble Vice Chancellor,
DTU, Delhi

Chairman
Dr. T. Vijay Kumar
Head, Center for Value Based Education
DTU, Delhi
&
University Coordinator
AICTE-UHV Program

Course Coordinator
Dr. Pradeep K. Goyal
University Co-coordinator
AICTE-UHV Program
&
Associate Professor,
Dept. of Civil Engg. DTU, Delhi

Important Date
Last date of Registration: 15th July, 2021

For Any Queries Contact
Dr T Vijay Kumar, 9868234379
Dr Pradeep K. Goyal, 8949285876
Anshul Gupta, 9560506989
Anshulgupta_2k18bt003@dtu.ac.in

Faculty Development Program
on

"Leadership Mastery Through Self Management"

(online)
July 19th – 23rd, 2021

Organized by

Centre for Value Based Education
Delhi Technological University,
Bawana Road, Shahbad, Daulatpur,
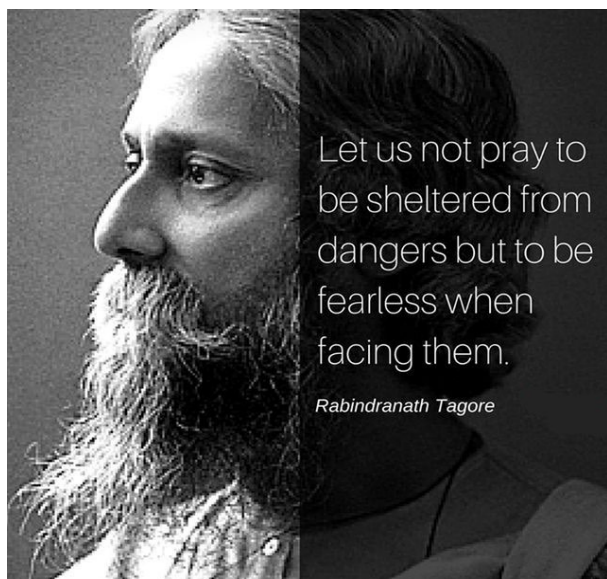**New DELHI-110042**

In Association with

From Wonder, Wisdom
Heartfulness Education Trust

Introduction

Delhi Technological University offers various foundation elective courses for the holistic development of students based on New Education policy 2020. One of them is **Leadership Mastery through Self Management** for a successful professional and personal balance in their life. This course was proposed by this centre and will be introduced from the forthcoming academic session 2021-22.

In order to equip and sensitise the faculty members to impart this course (This course has been designed based on HELM syllabus of Heartfulness Institute) as a part of Student Induction based on AICTE.

Let us not pray to be sheltered from dangers but to be fearless when facing them.

Rabindranath Tagore

This FDP provides a platform for the teachers to know, discuss and contribute towards learning and exploring the theme of: **Leadership Mastery through Self-Management**. Which is expected to serve as an opportunity to expand the scope of understanding of the contents of syllabus, and thus promoting the Value Based Education.

Course Content

Course will focus on the following areas:

- Heartfulness Enabled Leadership Mastery, Discovering oneself
- Time Management and Healthy life style, Power of self-discipline
- Befriending Stress and Peak Performance
- Peaceful Conversation and Heartful Relationship
- Tools for relaxation, meditation and mental rejuvenation
- Art & Heart Behind Meditation
- Detox Practices, Living light and right, character and life style
- Designing Destiny Practice & Experience

Target Group

The target group for this programme would be faculty members, Academicians, Professionals, scientists and the officers/staff associated with them.

Date

The programme will be organized **online** from **19th July - 23th July, 2021**.
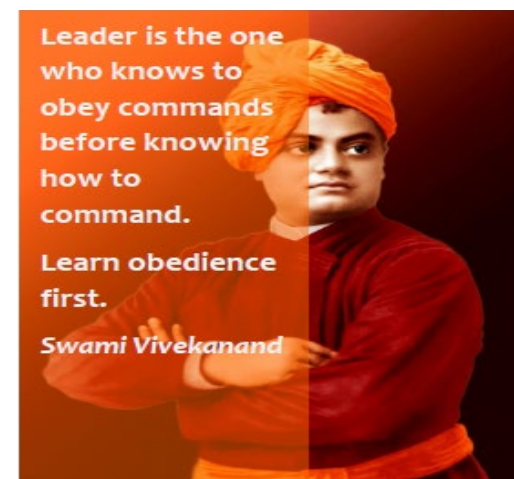
Registration

- There is no registration fee for the participants.
- Attendance is compulsory in at least in 90% days/sessions.
- For course registration, please click the following link

 [Registration Form Link](#)

Certificate

An e-certificate will be awarded to each participant the successful completion of the training program only after attending the full course.

Leader is the one who knows to obey commands before knowing how to command.

Learn obedience first.

Swami Vivekanand

About the Training Course:

Theory and practical aspects of molecular phylogeny and molecular docking will be discussed.

Topics include:

The workshop will provide hands-on training to the participants on molecular phylogeny and analysis using MEGA X and protein-ligand interaction, visualization and data interpretation using Autodock tool.

Level of Participants:

PG Students, Research scholars, and Scientists, are invited to attend the workshop.

Registration Fee:

There is no registration fee. Participation certificate will be provided.

Number of Participants: 60   Time: 5-7 pm

Registration form Submission link:
https://forms.gle/rFdd9BEAXPjFrYrP8

Paste the link in google and do the registration formalities.

Address for Communication

Prof. G. Gurusubramanian
UGC STRIDE COORDINATOR
Department of Zoology
Mizoram University
Aizawl – 796004. Mizoram

Mobile: 9862399411
E-mail: mzut036@mzu.edu.in

UGC STRIDE WORKSHOP
on
Molecular Phylogeny & Molecular Docking

19th January, 2021 – 27th January, 2021

Organized by

Mizoram University
Aizawl 796 004
Mizoram

Sponsored by

UGC STRIDE COMPONENT I
University Grants Commission
Government of India
New Delhi

About Workshop:

Molecular phylogeny is a relatively new scientific discipline that involves the comparative analysis of the nucleotide sequences of genes and the amino acid sequences and structural features of proteins from which evolutionary histories and relationships, and in some cases also functions, can be inferred. The basic classification of organisms furnished by molecular phylogeny is based upon the comparison of 16S/18S (small subunit) ribosomal RNA (rRNA) sequences. Thus, all living cells are divided into three main evolutionary branches or phylogenetic lines of descent termed domains: bacteria (eubacteria), archaea (archaebacteria), and eucarya (eukaryotes). Molecular docking is the study of how two or more molecular structures (e.g., drug and enzyme or protein) fit together [50]. In a simple definition, docking is a molecular modeling technique that is used to predict how a protein (enzyme) interacts with small molecules (ligands). The ability of a protein (enzyme) and nucleic acid to interact with small molecules to form a supramolecular complex plays a major role in the dynamics of the protein, which may enhance or inhibit its biological function. The behavior of small molecules in the binding pockets of target proteins can be described by molecular docking. The method aims to identify correct poses of ligands in the binding pocket of a protein and to predict the affinity between the ligand and the protein.

UGC STRIDE:

One of the aims of this scheme is to support high impact research in the areas of Humanities and Human Sciences. Typically, the Humanities and Social Sciences are the study of human behaviour and interaction in social, cultural, environmental, economic and political contexts. **Scheme for Trans-disciplinary Research for India's Developing Economy (STRIDE)** aims to promote innovative culture for trans-disciplinary research especially in Universities and Colleges. STRIDE plans to utilize the available expertise at leading higher education institutions to create multi institutional network of eminent scholars for developing and executing High Impact Research Projects in Humanities and Human Sciences. Such a network may draw a large number of reputed researchers and institutions from different disciplines to facilitate trans-disciplinary research of high impact. STRIDE may help to create an appropriate research environment for promising graduate, post-graduate and research students to equip them to undertake quality research and attain excellence.

Chief Patron:

Prof. K.R.S. Sambasiva Rao,
Vice Chancellor & UGC STRIDE Coordinator,
Mizoram University, Aizawl, Mizoram, India.

Patrons:

Prof. J.K. Patnaik,
Pro-Vice Chancellor, Mizoram University, Aizawl, Mizoram, India.

Prof. Lalnundanga
Registrar, Mizoram University, Aizawl, Mizoram, India.

Chairman:

Prof. S. K. Mehta
Dean, School of Life Sciences, Mizoram University, Mizoram, India.

Resource Person:

Dr. Syed Ibrahim K
Assistant Professor, PG & Research Department of Botany
PSG College of Arts and Science, Coimbatore – 641014, Tamilnadu.

Mentor and Monitoring Committee Members:

Prof. S. K. Srivastava
Vice-Chancellor, NEHU, Shillong

Prof. Mewa Singh
Dept. of Psychology & Institute of Excellence, University of Mysore, Mysuru.

Prof. Vinod Kumar
Department of Zoology, University of Delhi, Delhi

Prof. S. K. Mehta
Dean, School of Life Sciences, Mizoram University, Mizoram, India

Prof. N. Senthil Kumar
Department of Biotechnology, Mizoram University, Mizoram, India

Prof. G. Gurusubramanian
UGC-STRIDE Coordinator, Department of Zoology, Mizoram University, Mizoram

RAMA DEVI WOMEN'S UNIVERSITY
VIDYA VIHAR, BHUBANESWAR
Faculty Development Programme
on
Research Methodology and Project Writing

07th -11th July, 2021

INAUGURATION	7th July 2021 (Wednesday), 2:30-3:00 PM
Time	**Activity**
2:30 PM	Welcoming the Guests by Dr. Shikha Singh
2:31 PM	Inauguration of the Faculty Development Programme by Prof. Aparajita Chowdhury, Vice Chancellor, RDWU:
2:31 PM	Theme of the FDP by Prof. Chandi Charan Rath, Convener
2:34 PM	Address by Prof. Sasmita Mohanty, Chairperson, P.G. Council
2:38 PM	Address by Prof. Asoka Kumar Das, Vice Chairperson, Odisha State Higher Education Council, Govt. of Odisha
2:53 PM	Address by Prof. Aparajita Chowdhury, Vice Chancellor, RDWU
2:58 PM	Vote of thanks by Dr. Bibudhendu Pati, Organising Secretary
	Link for joining the sessions online https://us02web.zoom.us/j/86209296638?pwd=TVFmMjZPVzFPYUtYSXhlMGNlV3JTdz09 Meeting ID: 862 0929 6638 Passcode: 454556

RAMA DEVI WOMEN'S UNIVERSITY
VIDYA VIHAR, BHUBANESWAR

Faculty Development Programme
on
Research Methodology and Project Writing

VALEDICTORY 11th July 2021 (Sunday) , 5:00-5:25 PM	
Time	**Activity**
5:00 PM	Welcoming the Guests by Prof. Chandi Charan Rath, Convener
5:02 PM	Report by Dr. Bibudhendu Pati, Organising Secretary
5:05 PM	Opinion of Participants
5:15 PM	Presidential Remarks by Prof. Aparajita Chowdhury, Vice Chancellor, RDWU
5:20 PM	Vote of thanks by Dr. Sakti Kanta Rath, Jt. Organising Secretary
5:22 PM	Declaration by Prof. Aparajita Chowdhury, Vice Chancellor, RDWU: Closing of the Faculty Development Programme
	Link for joining the sessions online https://us02web.zoom.us/j/86209296638?pwd=TVFmMjZPVzFPYUtYSXhlMGNlV3JTdz09 Meeting ID: 862 0929 6638 Passcode: 454556

UNIVERSITY GRANTS COMMISSION
NEW DELHI

UGC-STRIDE SCHEME

UGC-STRIDE REFRESHER COURSE

(MULTI – DISCIPLINARY)

ON

Research Methodology: Research Ethics, Methods, Skills, Writing and Communication

19 August, 2020 - 01 September, 2020

CALL FOR REGISTRATION-PARTICIPATION

COURSE CO-ORDINATORS

Prof. G. Gurusubramanian
Dr. Amit Kumar Trivedi
Dr. Vikas Kumar Roy

DEPARTMENT OF ZOOLOGY
MIZORAM UNIVERSITY, AIZAWL, MIZORAM

ABOUT THE UGC-STRIDE REFRESHER COURSE

Research is a logical and systematic search for new and useful information on a particular topic. It is an investigation of finding solutions to scientific and social problems through objective and systematic analysis. It is a search for knowledge, that is, a discovery of hidden truths.

Research methodology is a systematic way to solve a problem. It is a science of studying how research is to be carried out. Essentially, the procedures by which researchers go about their work of describing, explaining and predicting phenomena are called research methodology. It is also defined as the study of methods by which knowledge is gained. Its aim is to give the work plan of research.

Research methods are the various procedures, schemes, methods, designs etc. used in research. All the methods used by a researcher during a research study are termed as research methods. They are essentially planned, scientific and value-neutral. They include theoretical procedures, experimental studies, numerical schemes, statistical approaches, etc. Research methods help us collect samples, data and find a solution to a problem. Particularly, scientific research methods call for explanations based on collected facts, measurements and observations and not on reasoning alone. They accept only those explanations which can be verified by experiments.

The present UGC-STRIDE refresher course on **"Research Methodology: Research Ethics, Methods, Skills, Writing and Communication"** stems from above observations with the following topics to be covered:

PROGRAM COVERAGE & MAJOR THEMES:

Research ethics	1. Introduction to philosophy: definition, nature and scope, concept, branches. 2. Ethics: definition, moral philosophy, nature of moral judgments and reactions.
Scientific conduct	1. Ethics with respect to science and research. 2. Intellectual honesty and research integrity. 3. Scientific misconducts: falsification, fabrication and plagiarism. 4. Redundant publications: duplicate and overlapping publications, salami slicing.
Publication ethics	1. Publication ethics: definition, introduction and important. 2. Best practices/standards setting initiatives and guidelines: COPE, WAME. 3. Conflicts of interest. 4. Publication misconduct: definition, concept, problems that lead to unethical behavior and vice versa, types. 5. Violation of publication ethics, authorship and contributorship. 6. Identification of publication misconduct, complaints and appeals. 7. Predatory publishers and journals. 8. Impact factor journals in arts, science and humanities discipline.
Open access publishing	1. Open access publications and initiatives. 2. Selective reporting and misrepresentation of data. 3. SHERPA/RoMEO online resources to check publisher copyright and self-archiving policies.
Databases and research metrics	1. Databases: Indexing databases, Citation databases, Web of Science, Scopus, Google scholar, Research gate etc. 2. Research Metrics: Impact factor of journal as per journal citation report, SNIP, SJR, IPP, Cite Score. 3. Metrics: h-index, g index, i10 index, altmetrics. 4. Journal finder/ journal suggestion tools viz. JANE, Elsevier Journal Finder, Springer Journal Suggester, etc. 5. Software tools to identify predatory publications developed by SPPU. 6. Use of plagiarism softwares like ithenticate, Turnitin, Urkund and other open source software tools. 7. UGC-CARE 8. ICT Tools in Research.
Research Methodology	1. Research methods for arts and humanities 2. Collection, processing and presentation of data 3. Sampling methods 4. Survey methodology 5. Qualitative research methods 6. Quantitative research methods 7. Mixed research methods 8. Questionnaire design in research methodology 9. Case study research methods 10. Experimental designs, Study designs - cross sectional study, case control study and randomized clinical trials. 11. Scientific writings –reports, synopsis, thesis and research papers 12. Literature review and resources 13. Hypothesis testing 14. **Statistical methods:** measurements of central tendency, standard deviation, standard error, Non-parametric and parametric tests: student's t-Test, Chi square test, null hypothesis, correlation, regression, ANOVA, Post-hoc tests. 15. Data Analysis and data interpretation 16. Development of research proposal and grant writing in arts, science and humanities discipline.

Objectives of UGC-STRIDE Scheme:

- The main objective of the scheme is to develop research culture and interest among young faculty, scholars and students to pursue careers and undertake the high-quality research in trans-disciplinary areas that augment and expand their research capacity.

- This scheme is meant for the development of researchers and teams via training through competitive selection, to design research, follow research ethics, write research grant proposals, effectively execute the research, publish and patent research findings.

ORGANIZING COMMITTEE:

Patrons: Prof. J.K. Patnaik, Pro-Vice Chancellor, Mizoram University, Mizoram.

Prof. Lalnundanga, Registrar, Mizoram University, Mizoram.

Chairman: Prof. S. K. Mehta, Dean, School of Life Sciences, Mizoram University, Mizoram.

Course Coordinators:

Prof. G. Gurusubramanian
Dr. Amit Kumar Trivedi
Dr. Vikas Kumar Roy
Department of Zoology, School of Life Sciences, Mizoram University, Mizoram.

Contact details:

KEY SPEAKERS:

Name	Institutional address
Dr.K.S. Jagannatha Rao	Director, Institute for Scientific Research and High Technology Services, (INDICASAT AIP), City of Knowledge, Panama
Prof. Ravindra Pogaku	Department of Chemical Engineering, Cornell University, University of South Carolina, Columbia, South Carolina, USA.
Dr. Venkat Ikkurthy	Data Scientist, Analytics Trainer/Consultant and Director, Clinical Data Integration, Bayer Pharmaceuticals, New Jersey, USA.
Dr. Palanirajan Vijayaraj Kumar	Head, Department of Pharmaceutical Technology, Faculty of Pharmaceutical Sciences, UCSI University, Kuala Lumpur, Malaysia.
Prof. Vanlal Thanzami	Department of Psychology, Jeffrey Cheah School of Medicine and Health Sciences, Monash University Malaysia.
Prof. Muhammad Kamal Uddin	Department of Psychology, University of Dhaka, Dhaka 1000, Bangladesh.

KEY SPEAKERS:

Speaker name	Institutional address
Prof. J.K. Patnaik	Pro-Vice Chancellor, Mizoram University, Mizoram.
Prof. Narpinder Singh	Professor and Head, Department of Food Science & Technology, Guru Nanak Dev University, Amritsar, Punjab.
Prof. Pramod Pandey	Centre for Linguistics, School of Language, Literature and Culture Studies, Jawaharlal Nehru University, New Delhi.
Prof. Ramesh C. Gaur	Dean & Director (Library & Information Science)/ Head - Kala Nidhi Division, Indira Gandhi National Centre for Arts (IGNCA) (Autonomous body of Ministry of Culture, Government of India), New Delhi.
Prof. Rumki Basu	Department of Political Science, Faculty of Social Sciences, Jamia Millia Islamia, New Delhi.
Prof. J. K. Mandal	Department of Computer Science & Engineering, University of Kalyani, Kalyani, West Bengal.
Prof. Balaganapathi Devarakonda	Head, Department of Philosophy, University of Delhi, Delhi.
Prof. Anisur Rahman	Professor & Director, UGC-Human Resource Development Centre (Academic Staff College), Jamia Millia Islamia, (A Central University), New Delhi.
Prof. V.K. Karg	Chairman and Dean, Department of Environmental Sciences, Central University of Punjab, Bhatinda.
Prof. Surya Pratap Singh	Head, Department of Biochemistry, Institute of Science, Banaras Hindu University, Varanasi, UP.
Prof. P. Prakash Babu	Dean, School of Medical Sciences, Department of Biotechnology & Bioinformatics, University of Hyderabad, Hyderabad.
Prof. Lalita Ledwani	Director, School of Basic Sciences, Jaipur-303007, Rajasthan
Prof. Alok Mittal	Department of Chemistry, Maulana Azad National Institute of Technology (MANIT), Bhopal, Madhya Pradesh, India.
Prof. Rekha Pande	Director, SEED, Society for Empowerment through Environment Development, Centre for Women's Studies and Professor, Department of History, University of Hyderabad, Telangana
Prof. Mary Tahir	Head, Department of Geography, Jamia Millia Islamia (A Central university), New Delhi.
Prof. V. Prabhu	Department of Humanities and Social Sciences, Indian Institute of Technology, Guwahati.
Dr. Mohana Krishna Reddy Mudiam	Senior Principal Scientist & Professor (AcSIR), Analytical & Structural Chemistry Department, CSIR-Indian Institute of Chemical Technology, Hyderabad, Telangana.
Prof. S. G.Venkatasubramanian	Professor (environmental law and management), Anna University, Chennai.
Prof. Shanta Laishram	Associate Professor, Department of Mathematics, Stat Math Unit, Indian Statistical Institute (ISID), New Delhi, 110016
Dr. Jyoti Atwal	Associate Professor, Centre for Historical Studies, School of Social Sciences -III, Jawaharlal Nehru University, New Delhi.
Prof. Pravakar Rath	Department of Library and Information Science, Mizoram University, Aizawl, Mizoram.
Prof. Srinibas Pathi	Department of Public Administration, Mizoram University, Mizoram.
Prof. NVR Jyoti Kumar	Head, Department of Commerce, Mizoram University, Mizoram
Prof. Ramesh Chandra Tiwari	Head, Department of Physics, Mizoram University, Mizoram.
Prof. Diwakar Tiwari	Dean, School of Fine Arts, Architecture & Fashion Technology and Department of Chemistry, Mizoram University, Mizoram.
Prof. Zokaitluangi	Department of Psychology, Mizoram University, Mizoram.
Prof. H.K. Laldinpuii Fente	Head, Department of Psychology, Mizoram University, Aizawl, Mizoram.
Prof. Lalnilawma	Head, Department of Extension Education and Rural Development, Mizoram University (A Central University), Aizawl, Mizoram.
Prof. C. Devendiran	Department of Social Work, Mizoram University, Mizoram.
Dr. Shailesh Kaushal	Department of Business Administration, University of Lucknow, Lucknow.
Dr. Ajay Kumar Chauhan	Big Data Analytics and Founder, Research shiksha.com, New Delhi.
Dr. S.A.Madhavan	Assistant Professor, Department of Commerce, A.M.Jain College, Chennai.
Dr. Padmaja Priyadarshini BN	Entrepreneur and Senior Statistician, HOMEPLAN GURU, Chennai.
Dr. Shweta Rani	Assistant Professor, Dyal Singh College University of Delhi.

Registration and payment Details:

REGISTRATION FEE: Rs.1000/-

The organizing committee cordially invites registration which is mandatory for all the participants of the UGC-STRIDE refresher course on **"Research Methodology: Research Ethics, Methods, Skills, writing and Communication".** Registration fee is Rs. 1000/-. The participants must make the prescribed payment by NEFT/UPI/IMPS/NET BANKING to the below-mentioned account and keep the screenshot of their payment for further clarification.

Account name	UGC-STRIDE PROGRAM COORDINATOR
Account Number	1548050002165
Bank name	United Bank of India
Branch Name	Mizoram University Branch
IFSC code	UTBI0MZUH61
Type of account	Current
MICR	796027003

All participants who have made the payment are required to send the following registration details to the email address, mzuugcstride@gmail.com **on or before August 14, 2020:**

Registration Details:

Name:

Designation:

Address (to be printed in the certificate):

Payment Details:

The screenshot of the payment should be uploaded while sending the registration form. The participants are advised to carefully fill their transaction details of payment at the time of filling of the registration form. Before filling of the registration form the payments will be made on the program account name, UGC-STRIDE PROGRAM COORDINATOR through net transfer mode. Kindly take note that late applications and payments will not be accepted. **The last date of registration is August 14, 2020.** After successful registration & payment, the participants will receive a final confirmation and invitation letter via email. **Please keep checking the spam folder of the email as the bulk email sent may end up in the spam folder.**

Who Can Attend?

This workshop is open to all the Research Scholars, PG students, Scientists, Post-DOCs, Faculty members (regular/permanent/ad-hoc/contractual/temporary/guest), academicians, policy makers in all disciplines.

UGC-STRIDE Refresher Course
Rules and Regulations

- The course will begin on Wednesday, August 19, 2020, and will continue till Tuesday, September 01, 2020. The sessions on various themes of this workshop will be conducted on ZOOM Webinar platform. The detailed day-wise program schedule will be communicated only to the registered participants before the start of the program.

- Participants are required to have uninterrupted power supply and/or internet connectivity. No participants should make excuse for inability to join the daily live lectures due to technical reason.

- Online Inaugural Programme will commence from 10:00AM of 19th August, 2020 and the subsequent programme also will commence every day during 10:00 AM – 01:00 PM; 02:00 – 02:30 PM online test and the session restart at 02:30PM till 05:30PM.

- Each participant will write a **Book Review** as an assignment which will be uploaded in the website soon. The Assignment should be limited to 1200 – 1500 words and submission last date will be **28th August, 2020 (05:00PM)**.

- Participants are requested to be active, punctual and regular during the live lectures. No lectures video or ppt will be uploaded and shared to the participants. Each participant will have to submit a **Report** (1500 – 2000 words) on the whole conduct of the Course on **28th August, 2020 (05:00PM)**.

- Daily online Test with Multiple Choice Questions will be conducted every day at 02:00 – 02:30 PM. Participants should login at www.hrdc.mzu.in and appear the test through Google form to be freshly uploaded in the website every day. Portal/link for the test will be opened for 30 minutes only from the specified time allotted for the test. Assignment, Report and Test once submitted will be final; resubmission will not be entertained in any case.

- As this workshop is being organized under the prestigious STRIDE Component-1 scheme of UGC, New Delhi, we at Department of Zoology, Mizoram University, Mizoram, give prime importance to willing and serious participants who are eager to learn. In this context, it should be noted that the certificates will be awarded to only those participants who will be present online and engaged during each session of the international workshop.

- **Therefore, participants must attend all the online sessions in order to receive a certificate of participation. Attempting and submitting all the online tests, book review, course conduct report writing and assignments are mandatory, and each participant should score a minimum of 50% in total to avail of the programme completion certificate.**

- As part of the UGC-STRIDE program requirement under the STRIDE- Component-1 scheme, all participants need to **submit online feedback for each session**.

- The participants should note that the consent of their respective employers, research guides and higher authorities of the institution for joining this programme is mandatory.

- Apart from the participation certificate, attendance certificate, Merit certificate will be issued to the participants who score top three positions.
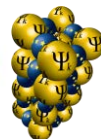
TREX e-School on Quantum Monte Carlo With TurboRVB
"TurboRVB tutorials and applications"

Organised by

Participants List   12-16 July 2021

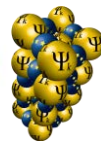| N°	Name	Organisation	Country
1	Abdallah Ammar	LCPQ - CNRS	France
2	Abhiroop Lahiri	Theoretical Sciences Unit, JNCASR	India
3	Abhishek Raghav	Japan Advanced Institute of Science and Technology (JAIST)	India
4	Adeolu Ayoola	University of Ibadan	Nigeria
5	Ahmad Bardan	Freie Universität Berlin	Germany
6	Amandeep Bhatia	Chitkara University	India
7	Amin Koochaki	University of Limerick	Ireland
8	Amirhossein Bayani	Uppsala University	Sweden
9	Amirhossein Fadavi	Petroleum University of Technology	Iran
10	Andrea Tirelli	SISSA	Italy
11	Andrej Antalik	École polytechnique fédérale de Lausanne - EPFL	Slovakia
12	Andrés Felipe Usuga	UAB	Colombia
13	Antonio Siciliano	University of Rome	Italy
14	Anuja Chanana	JNCASR	India
15	Apinya Ngoipala	University of Limerick	Ireland
16	Ari Paavo Seitsonen	École Normale Supérieure	France
17	Benjamin Shi	University of Cambridge	United Kingdom
18	Bibi Mary Francis	Aaivalayam DIRAC Institute	India
19	Dibya Prakash Rai	Pachhunga University College	India
20	'Đông Lê Quang	University of Science - Vietnam national university Ho Chi Minh city	Vietnam
21	Emiliano Poli	Science and Technology Facilities Council	Italy
22	Farzaneh Shayeganfar	Amirkabir University of Technology	Iran
23	Fatemeh Keshavarz	LUT University	Finland
24	Flaviano Della Pia	Universita 'Federico II' Napoli	Italy
25	Giacomo Tenti	SISSA	Italy
26	Hongbin Zhang	Technical University of Darmstadt	Germany
27	Hongshan Bi	University of Massachusetts Amherst	China
28	Ibrahim Buba Garba	Sorbonne Université	Nigeria
29	Ivan Stich	Inst. of Physics, Slovak Academy of Sciences	Slovakia
30	Jan Brndiar	Institute of Physics, Slovak Academy of Sciences	Slovakia

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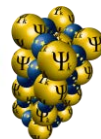| N°	Name	Organisation	Country
31	Jean Baptiste Fankam	University of Yaounde I	Cameroon
32	Jonah Nagura	International Centre For Theoretical Physics (ICTP)	Nigeria
33	Jorge Alfonso Charry Martinez	University of Luxembourg	Colombia
34	Jun Yi	University of Massachusetts Amherst	United States
35	Madhumita Rano	Indian Association for the Cultivation of Science	India
36	Marco Campetella	Consiglio Nazionale Delle Ricerche (CNR)	Italy
37	Marian Brännvall	Linköping University	Sweden
38	Matej Ditte	University of Luxembourg	Luxembourg
39	Mauricio Rincon Bonilla	Basque Center for Applied Mathematics	Spain
40	Mohammad Reza Jangrouei	Lodz University of Technology	Poland
41	Muhammad Zhafran Zakaria	University of Malaya Computational Chemistry Research Group	Malaysia
42	Musa Usman Sarki	Nasarawa State University	Nigeria
43	Nicholas Lee	University of Cambridge	Singapore
44	Nityasagar Jena	Laboratory for Chemistry of Novel Materials (CMN), UMONS	Belgium
45	Otto Kohulák	SISSA	Italy
46	Paramvir Ahlawat	École polytechnique fédérale de Lausanne - EPFL	Switzerland
47	Peter Cheruiyot Korir	University of Eldoret	Kenya
48	Pramod Kumar Verma	Indian Institute of Science Education and Research, Bhopal, India	India
49	Raju Lipin	University of Limerick, Ireland	Ireland
50	Ramesh Kumar	Delhi Technological University	India
51	Rémi Pasquier	UMR 7504 IPCMS - Strasbourg Institute of Materials Physics and Chemistry	France
52	Rohit Dahule	Indian Institute of Technology	India
53	Said Azar	Middle East University	Jordan
54	Sam Azadi	SISSA	Italy
55	Samuel Ponce	École polytechnique fédérale de Lausanne - EPFL	Switzerland
56	Sergey Lisenkov	University of South Florida	United States

TREX e-School on Quantum Monte Carlo With TurboRVB
"TurboRVB tutorials and applications"

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Participants List   **12-16 July 2021**

N°	Name	Organisation	Country
57	Shivam Jani	Research Scholar- SERB India	India
58	Soniya Rao	Chalmers University of Technology	Sweden
59	Soumyajyoti Haldar	University of Kiel	Germany
60	Stefano Paolo Villani	University of Rome "La Sapienza"	Italy
61	Stuart Shepard	University of TWENTE	Netherlands
62	Subrahmanyam Sappati	Raman Research Institute	India
63	Sumanta Kumar Ghosh	Indian Association for the Cultivation of Science	India
64	Tanima Kundu	Indian Association for the Cultivation of Science	India
65	Tommaso Morresi	CNRS	France
66	Tyler Kharazi	University of California, Berkeley	United States
67	Vannajan S. Lee	University of Malaya	Malaysia
68	Viktor Tokariev	V. N. Karazin Kharkiv National University	Ukraine
69	Viny Alfiyah	Chulalongkorn University	Thailand
70	Yusuf Prasetyo	Japan Advanced Institute of Science and Technology	Indonesia
71	Zhou Lin	University of Massachusetts Amherst	United States
72	Zijun Zhao	University of Cambridge	China
73	Kosuke Nakano	SISSA	Italy
74	Michele Casula	CNRS	France
75	Sandro Sorella	SISSA	Italy
76	Jacopo Mariani	Trust-IT Services	Italy
77	Julie Arteza	Trust-IT Services	Italy
78	Sara Pittonet	Trust-IT Services	Italy