



UNIVERSITY OF MYSORE
UGC-HUMAN RESOURCE DEVELOPMENT CENTRE

Prof. S.S. Malini
Director

MANASAGANGOTRI
MYSURU – 570 006
KARNATAKA, INDIA

2021-2022

(ONLINE MODE)

Report of the 14th Refresher Course in Life Sciences

The 14th Refresher Course in Life Sciences was conducted by the UGC-Human Resource Development Centre, University of Mysore from 29-09-2021 to 12-10-2021. The Thrust area/theme of the Refresher Course was “The New Perspectives in Biological Sciences”. The Course Coordinator was Prof. K.N. Amruthesh, Department of Studies in Botany, University of Mysore, Mysore. A total of 33 participants attended the refresher course.

The two week Refresher Course was started with the registration on 29.09.2021 at 10AM followed by instructions to Teacher-Participants. The lecture session commenced in the Afternoon by Prof. H. Shekar Shetty, Distinguished Honorary Professor, Department of Studies in Biotechnology, University of Mysore, Mysore delivered the lecture on “Advances in Biotechnology”, followed by Prof. N.B. Ramachandra, UGC-BSR Faculty Fellow, Department of Studies in Genetics and Genomics, University of Mysore, Mysore spoke on “Genomic Medicine”. On the second day, first session Prof. C. Manoharachary, NASI-Emeritus, Department of Botany, Osmania University, Hyderabad gave talk on “Biology to Biotechnology”, second session Prof. B.S. Vishwanath, Department of Studies in Biochemistry, University of Mysore, Mysore gave lecture on “Immunological Techniques”, third session Prof. S. Shishupala, Department of Microbiology, Davanagere University, Davanagere demonstrated on “Strategies in Vaccine Production”, fourth session Prof. Raveesha. K.A, Dean, Faculty of Life Science, JSS Academy of Higher Education and Research, Mysore explained on “Herbal Drugs-Boon or Bane”. On the third day, first session, Dr. C. Amruthavalli, Department of Studies in Genetics and Genomics, University of Mysore, Mysore discussed on “Next Generation Sequencing”. second session Dr. T. Shivanandappa, CSIR-Emeritus Scientist, Department of Studies in Zoology, University of Mysore, Mysore explained on “Bioprospecting-Discovery of Bioactive Molecules from Plants”, third session Dr. K. Muralidhar, Former Professor of Zoology, University of Delhi, New Delhi spoke on “Ethics in Research”, fourth session Dr. Basavaiah, Former Professor of Sericulture, University of Mysore, Mysore explained on “Composting and Vermicomposting : Importance and Best Practices with Special Reference to Green Initiatives”. On the fourth day, first session Prof. H. Prathap Kumar Shetty, Department of Food Science and Technology, Pondicherry University, Puducherry discussed on “Microbial Crosstalk-Significance in Health and Food Safety”, Prof. A.G. Deviprasad, DOS in Environmental Science, Manasagangothri, Mysore, delivered

lecture on “Global Warming and Climate Change”, third session Prof. G.R. Janardhana, Department of Studies in Botany, University of Mysore, Mysore spoke on “Unusual Phytopathogen: Viroids and Phytoplasmas”. On the fifth day, first session Prof. S.R. Niranjana, Former Vice-Chancellor, Gulbarga University, Distinguished Honorary Professor, Department of Studies in Biotechnology, University of Mysore, Mysore addressed on “IPR and Biosafety Issues”, second session Prof. H.B. Manjunatha, Chairman, Department of Studies in Sericulture Science, University of Mysore, Mysore demonstrated on “The Saga of Heat Shock Proteins in Silkworm”, third session Dr. D.N. Rao, Honorary Professor, Department of Biotechnology, Talent Development Centre, Indian Institute of Science, Challakere spoke on “Genome Editing”, fourth session Dr. R.R. Rao, INSA Honorary Scientist, Former Director, CIMAP, Bangalore explained on “The Himalayas : Biogeography, Biodiversity and Bioresources”. On the sixth day, first session Dr. Basavaraj. M.S, Chief Medical Officer, University of Mysore, Mysore delivered lecture on “Role of Microbiologist and Societal Responses to Covid-19 Pandemic”, second session Prof. H.S. Prakash, Distinguished Honorary Professor, Department of Studies in Biotechnology, University of Mysore, Mysore gave talk on “DNA Barcoding”, third session Dr. G.R. Shivamurthy, Former Professor of Botany, University of Mysore, Mysore spoke on “Naming of Plants : ICBN and ICN”, fourth session Dr. T. Vasanth Kumar, Senior Scientist of Managing Director, M/S Greenlife Technologies, Mysore explained on “Science and Society”.

On the second week, first day, first session, Dr. Srinivas Patnala S.R, Adjunct Faculty, JSS Academy of Higher Education, Mysore explained on “Regulation and Quality Control of Phytopharmaceuticals”, second session Dr. Sudisha Jogaiah, Department of Studies in Microbiology and Biotechnology, Karnatak University, Dharwad spoke on “Drafting Research Proposal for Possible Funding”, third session Prof. S. Umesha, Department of Studies in Biotechnology, University of Mysore, Mysore demonstrated on “Molecular Diagnostics for the Detection of Pathogenic Bacteria”, fourth session Prof. S. Srikantaswamy, Department of Studies in Environmental Science, University of Mysore, Mysore gave talk on “Ecosystem Conservation and Restoration in Western Ghats”. On the second day, first session Prof. M.Y. Sreenivasa, Department of Studies in Microbiology, University of Mysore, Mysore gave talk on “Probiotics : A Promising Approach to Control Mycotoxigenic Fungi and Mycotoxins in Foods”, second session Prof. S. Sathish, Department of Studies in Microbiology, University of Mysore, Mysore spoke on “Invisible Microfactories”, third session Dr. Kusuma. L, Scientist-C, Silkworm Breeding Lab, CSR and TI, Central Silk Board, Mysore explained on “Chromosomal Aberrations”, fourth session Prof. B.P. Harini, Department of Zoology, Bangalore University, Bangalore demonstrated on “Gene-An Architect of Phenotype”. On the third day, first session, Prof. S. Basavarajappa, Department of Studies in Zoology, University of Mysore, Mysore gave talk on “Honey Bees- Role in Pollination and Beekeeping”, second session Prof. H.A. Ranganath, Distinguished Professor of University of Mysore, Former Director of NAAC, Bangalore spoke on “Evolutionary Arms Race Between Man and Corona Virus : A Real Time Global Evolutionary

Experiment”, third session Dr. Uvaraj P Radhakrishna, Chennai discussed on “Studies on the Zebrafish Thrombocyte Function”, fourth session Prof. Shobha Jagannath, Department of Studies in Botany, University of Mysore, Mysore moderated the “Participants Seminar-1”. On the fourth day, first session Prof. B. Sannappa, Department of Studies in Sericulture, University of Mysore, Mysore evaluated the “Participants Seminar-2”, second session Prof. Sharadha. M.S, Department of Studies in Botany, University of Mysore, Mysore, moderated the “Participants Seminar-3”, third session Dr. R.S. Umakanth, Department of Studies in Sericulture, University of Mysore, Mysore evaluated the “Participants Seminar-4”. On the fifth day, first session Dr. M.C. Thriveni, Senior Scientist, Central Sericultural Germplasm Resources Centre, Central Silk Board, Hosur, Tamil Nadu spoke on “Western Ghats- A Treasure House of Medicinal Plants”, second session Prof. Raju. N.S, Department of Studies in Environmental Science, University of Mysore, Mysore moderated the “Participants Seminar-5”. Afternoon, third session Prof. Gopinath. S.M, Department of Biotechnology, Davanagere University, Davanagere moderated the “Participants Seminar-6”, followed by Prof. Leelavathi. S, Department of Studies in Botany, University of Mysore, Mysore evaluated the “Participants Seminar-7”. On the last day, morning, Prof. G.M. Nair, Director, Central Laboratory of Instrumentation and Facilitation, University of Kerala, Kariyavattom, Kerala delivered lecture on “Genome Revolution - Its Impact and Application”, followed by Prof. Rajkumar H Garampalli, Department of Studies in Botany, University of Mysore, Mysore spoke on “Mycorrhizae in Agriculture”.

As a part of the Refresher Course, the Online test was conducted in the afternoon followed by Interaction with Course Coordinator and feedback from the participants.

In support to this report, the following Documents are attached.

1. Resource Persons’ List
2. Teacher Participants’ List
3. Seminar Schedule
4. Time Table
5. Photo’s

(Prof. S.S. Malini)

Director

UGC-Human Resource Development Centre

University of Mysore,

Manasagangotri, Mysore-570006.

Allotment of courses for 2021-22-reg.

1 message

Archana Thakur <archana.ugc@nic.in>

Fri, Jun 25, 2021 at 3:18 PM

To: asc_au@yahoo.com, hrdcuoh@gmail.com, hrdcou@gmail.com, hrdcsvutpt@gmail.com, rama_jaypee@rediffmail.com, directorhrdcjntuh@jntuh.ac.in, gkviswanadh@jntuh.ac.in, Shakeel_du@yahoo.com, ugchrdmannuhyd@gmail.com, ugcascgu@rediffmail.com, subodhpankhu@gmail.com, rkjha51266@gmail.com, ascpatna@yahoo.com, c.singh.vmpu@gmail.com, hrdcprsu@gmail.com, akguptarsu@gmail.com, ratnesh1975@gmail.com, Ratnesh Singh <directorhrdc@ggu.ac.in>, Du.cpdhe@gmail.com, geetanjali1908@gmail.com, dir.ascjmi@rediffmail.com, asc.jnu@gmail.com, MGOVIND MGOVIND <m_govind@mail.jnu.ac.in>, asc@unigoa.ac.in, curivonkar@unigoa.ac.in, asc@ascgujarat.org, joshijagdish@yahoo.com, kaladhar@ascrajkot.org, kaladharaya@gmail.com, mkayagnik@yahoo.co.in, director@hrdcspu.ac.in, ugcasc_kuk@yahoo.co.in, ugcascbps@rediffmail.com, hrdcgjuhisar@gmail.com, hrdcshimla@gmail.com, ashokchoudhary.ru@gmail.com, ugcascjammu@gmail.com, jpsjoord@gmail.com, asc@kashmiruniversity.ac.in, hrdc@uok.edu.in, shivakumarais@gmail.com, ugchrdc.kud@gmail.com, hrdcmysore@gmail.com, asc.uoc@gmail.com, hrdcunike@yahoo.com, drsvsudheer@hotmail.com, kannurasc@gmail.com, ugcascindore@gmail.com, hrdcagar@gmail.com, ugcasc@gmail.com, /hrdcjabalpur@gmail.com, asclnipe@rediffmail.com, martin_evcity@yahoo.com, director.hrdc@bamu.ac.in, ugchrdc@mu.ac.in, asc_ngpnu@yahoo.co.in, cgdethe@gmail.com, ascpune7@gmail.com, directorhrdc@srbau.ac.in, dirasc@manipuruniv.ac.in, hrdcnehu@gmail.com, asc@nehu.ac.in, sarro@nehu.ac.in, lalundunga@rediffmail.com, asc.utkal@gmail.com, akdm.2002@gmail.com, ugcascsu@gmail.com, HRDC_PU <director.asc@pondiuni.edu.in>, hrdcgndu@yahoo.com, krjsingh@gmail.com, hryograj@yahoo.com, hrdcjnvu@gmail.com, directorhrdc@gmail.com, vijayvir@hotmail.com, ascmdsu@gmail.com, mathi_principal@yahoo.co.in, richardpaulv@gmail.com, asc@bdu.ac.in, ugcasc@uom.ac.in, ugcascuom@yahoo.com, mkuascdirector@gmail.com, asc_amu@yahoo.com, ugcascu@rediffmail.com, pksahooald@rediffmail.com, ac_staff@rediffmail.com, ascddugkp@gmail.com, nutan_tyagi@yahoo.com, asclko@rediffmail.com, hrdcnainital@gmail.com, divyavj@gmail.com, Pabitra_c@hotmail.com, anjaneco@gmail.com, office@hrdc.buruniv.ac.in, dirhrdc@jadavpuruniversity.in, rajat.acharya@gmail.com, ascnbu@gmail.com, hrdcnbu@gmail.com

Cc: archana ugc2012 <archana.ugc2012@gmail.com>, kundlaugc <kundlaugc@gmail.com>, hrdcsection <hrdcsection@gmail.com>

TO ALL THE DIRECTORS OF 66 HRDCs

Sir/Madam,

Kindly find attached herewith Allotment of courses for the year 2021-22 in respect of all 66 HRDCs.

With regards,

Dr. Archana Thakur, Joint Secretary, UGC

**Allotment of courses for 2021-22 to 66 HRDCs.pdf**

2260K



**UNIVERSITY GRANTS COMMISSION
BAHADUR SHAH ZAFAR MARG
NEW DELHI – 110002**

	<u>Allotted for 2020-21</u>	<u>Demanded/Allotted for 2021-22: Carry Forward is allowed from previous allocation, if the programs could not be organized or generated much interest in participants as evidenced from Feedback.</u>
01	<p>ANDHRA UNIVERSITY</p> <ol style="list-style-type: none"> 1. Faculty Induction Programme - 04 2. Refresher Courses: Theme-LEARNING OUTCOMES AND COMPETENCES <ol style="list-style-type: none"> i) Life Science ii) Languages, Literature & Cultural Studies (Indian, English & foreign Languages). iii) Commerce & Management iv) Human Rights Refresher Courses: Inter/Multi-disciplinary: <ol style="list-style-type: none"> v) Environmental Sciences vi) Computational Social Sciences vii) Teacher Educators: Learning outcomes and educational reform – Pedagogy, Assessment and Quality Assurance. viii) Home Science (Food & Nutrition) 3. Short Term Courses <ol style="list-style-type: none"> i) Professional Development Programme for Non Academic Staff ii) Women Studies iii) Research Methodology iv) Applied Statistics for Teachers & Research Scholars 4. Workshop. <ol style="list-style-type: none"> i) Leadership Development Programme 02 ii) MOOCs, Online Courses & Open Educational Resources iii) E-content Development and Online Pedagogy iv) Webinars can be frequently organized on the topics ranging from Leadership, Ethics, Climate change, Artificial Intelligence, machine learning, Data analytics, Language, Research Methodology, MOOCs development and delivery, Yoga and Wellness, Disaster management post COVID etc 	<p>ANDHRA UNIVERSITY</p> <ol style="list-style-type: none"> 1. Faculty Induction Programme-04-06 2. Refresher Courses: Theme-LEARNING OUTCOMES AND COMPETENCES <ol style="list-style-type: none"> i. Computer Science ii. Indian Language & Literature iii. Commerce & Management iv. Teacher Education (B.Ed. & Physical Education) Refresher Courses: Inter/Multi-disciplinary: <ol style="list-style-type: none"> i. Human Rights ii. Home Sciences (Food & Nutrition) iii. Disaster Management iv. Environmental Sciences 3. Short Term Courses <ol style="list-style-type: none"> i. Applied Statistics for Teachers & Research Scholars ii. Research Methodology iii. Professional Development Programme for Non Academic Staff iv. Women Studies 4. Workshop on Leadership Development Programme 5. E-content Development and Online Pedagogy 6. Webinars can be frequently organized on the topics ranging from Leadership, Ethics, Climate change, Artificial Intelligence, machine learning, Data analytics, Language, Research Methodology, MOOCs development and delivery, Yoga and Wellness, Disaster management post COVID etc 7. Thematic popularization of NEP2020
02	<p>UNIVERSITY OF HYDERABAD</p> <ol style="list-style-type: none"> 1. Faculty Induction Programme - 04 2. Refresher Courses: Theme-LEARNING OUTCOMES AND COMPETENCES <ol style="list-style-type: none"> i) Commerce & Management ii) Social Sciences iii) Experimental Physics iv) Life Sciences Refresher Courses: Inter/Multi-disciplinary: <ol style="list-style-type: none"> v) Research Methodology vi) Quantitative Biology vii) Chemistry: Synthetic Biology viii) English Language Studies 	<p>UNIVERSITY OF HYDERABAD</p> <ol style="list-style-type: none"> 1. Faculty Induction Programme– 04-06 2. Refresher Courses: Theme-LEARNING OUTCOMES AND COMPETENCES <ol style="list-style-type: none"> i) Commerce & Management ii) Experimental Physics iii) Mathematics iv) Chemistry v) English Language Studies Refresher Courses: Inter/Multi-disciplinary

	<p>and educational reform – Pedagogy, Assessment and Quality Assurance.</p> <p>ix) Life Sciences</p> <p>Summer/Winter School</p> <p>x) Winter School: Science and Technology of Yoga and Meditation</p> <p>xi) Summer School: Quantum Biology</p> <p>3. Short Term Courses.</p> <p>i) Gender Sensitization</p> <p>ii) Communication Skills and computer Applications</p> <p>iii) Research Methodology</p> <p>iv) Disaster Management</p> <p>v) Workshop on MOOC's e-content development and open education Resources</p> <p>vi) Non-Academic Staff Training</p> <p>4. Workshop.</p> <p>i) Leadership Development Programme 02</p> <p>ii) MOOCs, Online Courses & Open Educational Resources</p> <p>iii) E-content Development and Online Pedagogy</p> <p>iv) Interaction Programme for Ph.D. Research Scholars/Post-Doctoral Fellows</p> <p>v) Webinars can be frequently organized on the topics ranging from Leadership, Ethics, Climate change, Artificial Intelligence, machine learning, Data analytics, Language, Research Methodology, MOOCs development and delivery, Yoga and Wellness, Disaster management post COVID etc</p>	<p>x) Information and Communication Technology</p> <p>3. Workshops</p> <p>i) MOOCs, E-content Development and Open Educational Resources</p> <p>ii) Disaster Management</p> <p>iii) Gender Sensitization</p> <p>iv) Research Methodology</p> <p>4. Short Term Courses.</p> <p>i) Non-Technical Staff Training</p> <p>ii) Principal Workshop on Leadership Development</p> <p>iii) Counseling and guidance</p> <p>iv) Yoga and Spirituality</p> <p>5. Webinars can be frequently organized on the topics ranging from Leadership, Ethics, Climate change, Artificial Intelligence, machine learning, Data analytics, Language, Research Methodology, MOOCs development and delivery, Yoga and Wellness, Disaster management post COVID etc</p> <p>6. Thematic popularization of NEP2020</p>
27	<p><u>KARNATAK UNIVERSITY, DHARWAD</u></p> <p>1. Faculty Induction Programme - 04</p> <p>2. Refresher Courses: Theme-LEARNING OUTCOMES AND COMPETENCES</p> <p>i) Sociology</p> <p>ii) Kannada</p> <p>iii) Life Sciences</p> <p>iv) Social Sciences</p> <p>Refresher Courses: Inter/Multi-disciplinary:</p> <p>i) Research Methodology in Social Sciences</p> <p>ii) Indian Languages</p> <p>iii) Research Methodology in Sciences</p> <p>iv) Teacher Education</p> <p>v) Business Studies</p> <p>vi) Environmental Sciences</p> <p>vii) Physical Education</p> <p>viii) ICT Applications</p> <p>3. Short Term Courses –</p> <p>i) Non-Teaching staff Training</p> <p>ii) Computer Training</p> <p>iii) Gender Sensitization</p> <p>iv) Academic Leadership</p> <p>v) Webinars can be frequently organized on the topics ranging from Leadership, Ethics, Climate change, Artificial Intelligence, machine learning, Data analytics, Language, Research Methodology, MOOCs development and delivery, Yoga and Wellness, Disaster management post COVID etc</p>	<p><u>KARNATAK UNIVERSITY, DHARWAD</u></p> <p>1. Faculty Induction Programme – 04-06</p> <p>2. Refresher Courses: Theme-LEARNING OUTCOMES AND COMPETENCES</p> <p>i) Economics</p> <p>ii) Commerce and Management</p> <p>iii) Life Sciences</p> <p>iv) Library & Information Science</p> <p>Refresher Courses: Inter/Multi-disciplinary:</p> <p>i) Research Methodology in Social Sciences</p> <p>ii) Indian Languages</p> <p>iii) Research Methodology in Sciences</p> <p>iv) Teacher Education</p> <p>v) Physical Education</p> <p>vi) ICT Applications</p> <p>3. Short Term Courses.</p> <p>i) Research Methodology</p> <p>ii) Non-Teaching Staff Training</p> <p>iii) Computer Training for non-teaching staff</p> <p>iv) Workshop for Principal's</p> <p>v) Gender Sensitization</p> <p>vi) Academic Leadership</p> <p>vii) Teacher's Educator</p> <p>viii) Webinars- Leadership, Ethics, Disaster Management, Data Analysis, Language, Research Methodology, MOOC's Development & Delivery, Yoga and Wellness</p> <p>4. Thematic popularization of NEP2020</p>
28	<p><u>UNIVERSITY OF MYSORE</u></p> <p>1. Faculty Induction Programme - 04.</p> <p>2. Refresher Courses: Theme-LEARNING OUTCOMES AND COMPETENCES 10</p> <p>i) Commerce.</p> <p>ii) Languages, Literature & Cultural Studies</p>	<p><u>UNIVERSITY OF MYSORE</u></p> <p>1. Faculty Induction Programme - 04.</p> <p>2. Refresher Courses: Theme-LEARNING OUTCOMES AND COMPETENCES</p> <p>i) Commerce</p>

	<p>(Kannada & Indian Languages). iii) History. iv) .Library & Information Science. v) Physical Education. Refresher Courses: Inter/Multi-disciplinary: vi) Cognitive Economics. vii) Quantum Biology. viii) Human Rights. ix) Materials Science. x) Teacher Educators: Learning outcomes and educational reform – Pedagogy, Assessment and Quality Assurance. 3. Short Term Courses. i) “Research Methodology” ii) ‘Gender Sensitization’. iii) ‘Disaster Management’. iv) “Soft Skills’. 4. Workshop. i) Leadership Development Programme 02 ii) MOOCs, Online Courses & Open Educational Resources iii) E-content Development and Online Pedagogy iv) Interaction Programme for Ph.D. Research Scholars/Post-Doctoral Fellows v) Webinars can be frequently organized on the topics ranging from Leadership, Ethics, Climate change, Artificial Intelligence, machine learning, Data analytics, Language, Research Methodology, MOOCs development and delivery, Yoga and Wellness, Disaster management post COVID etc</p>	<p>ii) Economics iii)English iv) History v) Kannada vi) Library & Information Science vii) Physical Education viii) Political Science Inter/Multi-disciplinary: i) Mathematical Science ii) Human Rights. iii)Materials Science iv) Life Sciences v) Indian Literature vi) Teacher Educator 3. Short Term Courses i) Gender Sensitization’ ii) Disaster Management’ iii) Information Communication Technology iv) Soft Skills v) Principal Meet’ 4. Workshop. i) Academic Administrator ii) MOOCs, Online Courses & Open Educational Resources iii) Administrative Staff 5. Webinars can be frequently organized on the topics ranging from Leadership, Ethics, Climate change, Artificial Intelligence, machine learning, Data analytics, Language, Research Methodology, MOOCs development and delivery, Yoga and Wellness, Disaster management post COVID etc 6. Thematic popularization of NEP2020</p>
29	<p>UNIVERSITY OF CALICUT 1. Faculty Induction Programme – 04. 2. Refresher Courses: Theme-LEARNING OUTCOMES AND COMPETENCES 11. i) Languages, Literature & Cultural Studies (Indian, English & foreign Languages). ii) Hindi Language & Literature. iii) Art & Culture (Humanities & Languages). Refresher Courses: Inter/Multi-disciplinary: viii) Material Sciences: Recombinant Memetics (Chemistry, Nano Science/Technology, Physics, Biological Sciences). ix) Malayalam & Kerala Studies (Anthropology, History, Malayalam, Sociology). x) Development Studies (Commerce, Management & Economics). Winter/Summer School xi) Experimental Techniques for Biological Sciences (Agricultural Science, Biotechnology, Botany, Environmental Science, Veterinary Science, Zoology). 3. Short Term Courses (1 week) i) Soft Skills Development for Asstt./Associate Professors. ii) E-content Development and</p>	<p>UNIVERSITY OF CALICUT 1. Faculty Induction Programme– 04-06 2. Refresher Courses: Theme-LEARNING OUTCOMES AND COMPETENCES i) Material Science ii) Life Sciences iii) Mathematical Science iv) Development Studies v) English Language & Literature vi) Hindi Language & Literature vii) Arabic Language & Literature viii) E-content Development and Online Pedagogy in Social Science Teaching ix) Physical Education x) Library and Information Science xi) Biotechnology (Botany, Zoology, Bioinformatics, Biochemistry, Microbiology, Aquatic Biology, Animal Husbandry, Aquaculture, Fisheries) xii) Computer Science/Computer Application xiii) Chemistry xiv) Physics Refresher Courses: Inter/Multi-disciplinary: i) Environmental Science ii) ICT-enabled Teaching iii) Malayalam & Kerala Studies iv) Cultural Studies</p>

Address List of Resource Persons of the 14th Refresher Course in Life Science (Online)**From : 29.09.2021 To 12.10.2021**

S.N	Name & Address of the Resource Persons	Contact No. & E-mail
1.	Prof. S.J. Manjunath Director, UGC-Human Resource Development Centre, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 9448587801 Email : sjmanjunath@gmail.com
2.	Prof. H. Shekar Shetty Distinguished Honorary Professor, DOS in Biotechnology, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 94498 37566 Email : hss-uom@hotmail.com
3.	Prof. N.B. Ramachandra UGC-BSR Faculty Fellow, DOS in Genetics & Genomics, University of Mysore, Mansagangotri, Mysore-570006.	Off : Res : Cell : 98800 33687 Email : ramachandra@genetics.uni- mysore.ac.in/nallurbr@gmail.com
4.	Prof. B.S. Vishwanath DOS in Biochemistry, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 98458 93634 Email : ishmy@biochemistry.uni- mysore.ac.in
5.	Dr. Raveesha K A Dean, Faculty of Life Science, JSS Academy of Higher Education and Research Mysore, JSS Medical Institution Campus, Sri Shivarathreeshwara Nagara, Mysore-570004.	Off : Res : Cell : 98454 81329 Email : raveeshaka@jssuni.edu.in/ director_research@jssuni.edu.in
6.	Dr. C Manoharachary NASI-Emeritus, Dept. of Botany, Osmania University, 2-2-1144/23/1 (MCH 250), New Nallakunta, Hyderabad-500044.	Off : Res : Cell : 93911 64243 Email : cmchary@rediffmail.com cmchary@gmail.com
7.	Prof. S Shishupala Dept. of Microbiology, Davanagere University, Shivagangotri, Davanagere-577002.	Off : Res : Cell : 94491 62135 Email : sskumb@gmail.com
8.	Dr. C Amruthavalli DOS in Genetics and Genomics, University of Mysore, Mansagangotri, Mysore-570006.	Off : Res : Cell : 99019 69079 Email :

Address List of Resource Persons of the 14th Refresher Course in Life Science (Online)

From : 29.09.2021 To 12.10.2021

S.N	Name & Address of the Resource Persons	Contact No. & E-mail
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9.	Dr. T Shivanandappa CSIR -Emeritus Scientist, DOS in Zoology, University of Mysore, Mansagangotri, Mysore-570006.	Off : Res : Cell : 94804 75885 Email : tshivanandappa@yahoo.com
10.	Dr. K Muralidhar Former Professor of Zoology, University of Delhi, North Campus, No.303, Shobhanadri Aprts, 7-1-69/1/25, Dharma Karan Road, Hyderabad-500016.	Off : Res : Cell : 98109 27705 Email : kambadur2015@gmail.com
11.	Dr. Basavaiah Former Professor of Zoology, University of Mysore, # 1952, Bank Employees Layout, Bogadi North, Mysore-26.	Off : Res : Cell : 94813 20678 Email : basavaiahmysore@gmail.com
12.	Prof. H Prathap Kumar Shetty Dept. of Food Science & Technology, Pondicherry University, Chinna Kalapet, Puducherry-605014. Kerala.	Off : Res : Cell : 94422 93718 Email : pkshalady@yahoo.co.uk
13.	Prof. A.G. Deviprasad No.113/B, 4 th Cross, 1 st Stage, Gangotri Layout, Saraswathipuram, Mysore-570009.	Off : Res : Cell : 94480 33391 Email : agdprasad@yahoo.com
14.	Prof. G.R. Janardhana DOS in Botany, University of Mysore, Mansagangotri, Mysore-570006.	Off : Res : Cell : 98456 36998 Email : grjbelur@gmail.com/ grjplantclinic@botany.uni-mysore.ac.in
15.	Prof. S.R. Niranjana Former Vice-Chancellor, Gulbarga University, Distinguished Honorary Professor, DOS in Biotechnology, UOM, Mansagangotri, Mysore-570006.	Off : Res : Cell : 81970 77637 Email : niranjanasr@rediffmail.com
16.	Prof. H.B. Manjunatha Chairman, DOS in Sericulture Science, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 94490 59147 Email : manjunathahb@gmail.com/ hbm@sericulture.uni-mysore.ac.in

Address List of Resource Persons of the 14th Refresher Course in Life Science (Online)

From : 29.09.2021 To 12.10.2021

S.N	Name & Address of the Resource Persons	Contact No. & E-mail
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-3-

17.	Dr. D.N. Rao Honorary Professor, Dept. Of Biotechnology, Talent Development Centre, Challakere Campus, Indian Institute of Science, Kudhapura Chitradurga-577536.	Off : Res : Cell : 94495 66659 Email : dnrao@iisc.ac.in
18.	Dr. R.R. Rao INSA Honorary Scientist, Former Director CIMAP, No.328, B-4 Block, Kendriya Vihar Yelahanka, Bangalore-560064.	Off : Res : Cell : 94488 52356/91132 15570 Email : raocimap@gmail.com
19.	Dr. Basavaraj M.S Chief Medical Officer, University Health Centre, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 94482 08742 Email : drmsbasavaraj@gmail.com
20.	Dr. H.S. Prakash Distinguished Honorary Professor, DOS in Biotechnology, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 98454 88400 Email : hasriprakash@gmail.com
21.	Dr. G.R. Shivamurthy Former Professor of Botany, Now Invited Prof. Of YCM, UOM, No.765, Sriranga Main Road, 2 nd stage, Bogadi North, Mysore-570026.	Off : Res : Cell : 80739 85294 Email : grsgyarahally@gmail.com
22.	Dr. T Vasanth Kumar Senior Scientist of Managing Director, M/S Greenlife Technologies, # 765, 8 th Main Road, B Block, Vijayanagar, 3 rd Stage, Mysore-570014.	Off : Res : Cell : 98453 47884 Email : vasanth.greenlife@gmail.com
23.	Dr. Srinivas Patnala S.R Adjunct Faculty, JSS Academy of Higher Education, Sri Shivarathreeshwara Nagara, Bannimantap, Mysore-570015.	Off : Res : Cell : 90357 89187 Email : patnala.srini@gmail.com
24.	Dr. Sudisha Jogaiah DOS in Microbiology & Biotechnology, Karnatak University, Pavate Nagar, Dharwad-580003.	Off : Res : Cell : 94482 06685 Email : jsudish@gmail.com

Address List of Resource Persons of the 14th Refresher Course in Life Science (Online)**From : 29.09.2021 To 12.10.2021**

S.N	Name & Address of the Resource Persons	Contact No. & E-mail
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-4-

25.	Prof. S Umesha Dept. of Biotechnology, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 94492 64384 Email : pmumesh@gmail.com
26.	Prof. S Srikantaswamy Dept. of Environmental Science, University of Mysore, Mansagangotri, Mysore-570006.	Off : Res : Cell : 94482 75348 Email : srikantas@hotmail.com
27.	Prof. M.Y. Sreenivasa DOS in Microbiology, University of Mysore, Mansagangotri, Mysore-570006.	Off : Res : Cell : 94490 54480 Email : srinivasamy@gmail.com
28.	Prof. S Sathish DOS in Microbiology, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 94483 23129 Email : sathish100@gmail.com
29.	Dr. Kusuma L Scientist-C, Silkworm Breeding Lab, CSR & TI, Central Silk Board, Srirampura, Mysore-08.	Off : Res : Cell : 79757 80856 Email : kusuma.lingaiyah@gmail.com
30.	Prof. B.P. Harini Dept. of Zoology, Bangalore University, Jnana Bharathi, Bangalore-560056.	Off : Res : Cell : 94489 39066 Email : dr.bpharini@gmail.com
31.	Prof. S Basavarajappa DOS in Zoology, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 94492 03241 Email : apiraj09@gmail.com
32.	Prof. H.A. Ranganath Distinguished Prof. of UOM & Former Director of NAAC, Site No.33, Flat no.101, Jayalakshmi Residency, 2 nd Main, 2 nd Cross, Income Tax Layout, Bangalore-560040.	Off : Res : Cell : 99023 00909 Email : haranganath@gmail.com

Address List of Resource Persons of the 14th Refresher Course in Life Science (Online)**From : 29.09.2021 To 12.10.2021**

S.N	Name & Address of the Resource Persons	Contact No. & E-mail
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-5-

33.	Prof. Shobha Jagannath DOS in Botany, University of Mysore, Mansagangotri, Mysore-570006.	Off : Res : Cell : 94484 86595 Email : shobhajags25@gmail.com
34.	Dr. Uvaraj P Radhakrishna 18/2, Kulanthai Gramani Street, Purasawalkam, Chennai-600084.	Off : Res : Cell : 97909 66688 Email : druvarajpulirak@gmail.com
35.	Prof. B Sannappa DOS in Sericulture University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 94486 14385 Email :
36.	Prof. Sharadha M.S Dept. of Botany, University of Mysore, Mansagangotri, Mysore-570006.	Off : Res : Cell : 94498 10954 Email : msshara.botany@gmail.com
37.	Prof. R.S. Umakanth DOS in Sericulture, University of Mysore, Mansagangotri, Mysore-570006.	Off : Res : Cell : 98806 45495 Email : dr.rs.umakanth@gmail.com
38.	Dr. M.C. Thriveni Senior Scientist (CSGRC), Central Sericultural Germplasm Resources Centre, Central Silk Board, Hosur, Tamil Nadu-635109.	Off : Res : Cell : 94807 34888 Email : thriveni83@gmail.com
39.	Prof. Raju N.S DOS in Environmental Science, University of Mysore, Mansagangotri, Mysore-570006.	Off : Res : Cell : 94483 45959 Email : nsr@envsci.uni-mysore.ac.in
40.	Prof. Gopinath S.M Dept. Of Biotechnology, Davanagere University, Shivagangotri, Davanagere-577002.	Off : Res : Cell : 86607 93877 Email : drsmgnath@gmail.com

Address List of Resource Persons of the 14th Refresher Course in Life Science (Online)**From : 29.09.2021 To 12.10.2021**

S.N	Name & Address of the Resource Persons	Contact No. & E-mail
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-6-

41.	Prof. Leelavathi S Dept. of Botany, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 99012 65575 Email : drsleelavathi@botany.uni-mysore.ac.in
42.	Prof. G.M. Nair Director, Central Laboratory of Instrumentation & Facilitation, University of Kerala, Kariyavattom, Trivandrum, Kerala-695587.	Off : Res : Cell : 94470 89285 Email : gmnair51@gmail.com
43.	Prof. Rajkumar H. Garampalli Dept. of Botany, University of Mysore, Mansagangotri, Mysore-570006.	Off : Res : Cell : 99807 36894 Email : rajkumarhg@gmail.com
44.	Prof. K.N. Amruthesh Course Co-ordinator, DOS in Botany, University of Mysore, Mansagangotri, Mysore-570006.	Off : Res : Cell : 94486 03119/97319 39855 Email : dr.knamruthesh@gmail.com

**Address List of Teacher Participants of the 14th Refresher Course in Life Sciences (Online)
from 29.09.2021 to 12.10.2021**

Sl. No.	Name & Address of the Participant	Contact No. & E-mail	Photo
1.	Babu Y. Assistant Professor of Zoology, Bishop Heber College (Autonomous), Tiruchirappalli-620017. Tamil Nadu.	Off : 04132770136 Res : Cell : 7871468672 Email : babu@bhc.edu.in	
2.	Dr. I. Paul Ajithkumar Assistant Professor of Botany, Bishop Heber College (Autonomous), Tiruchirappalli-620017. Tamil Nadu.	Off : 04312770136 Res : Cell : 8682005466 Email : ipajith@gmail.com	
3.	Dr. Anil Ankush Jagtap Assistant Professor of Botany, Dahiwadi College, Dahiwadi-415508. Satara Dist. Maharashtra.	Off : 02165220231 Res : Cell : 9890778246 Email : anildada11@gmail.com	
4.	Dr. D. Kumar Assistant Professor of Zoology, V.H.N.S.N. College (Autonomous), Virudhunagar-626001. Tamil Nadu.	Off : 04562280154 Res : Cell : 9842831861 Email : kumar@vhnsnc.edu.in	
5.	Dr. Raghavendra S. Assistant Professor of Biochemistry, College of Agriculture, Shivamogga-577204.	Off : 08182267086 Res : Cell : 9886583151 Email : raghavendras@uahs.edu.in	
6.	Dr. C. Anitha Assistant Professor of Food Science and Nutrition, Karnataka State Open University, Mukthagangotri, Mysuru-570006.	Off : 08212500071 Res : Cell : 9916030230 Email : anithaksou@gmail.com	
7.	Dr. T. S. Harsha Assistant Professor of Environmental Science, Karnataka State Open University, Mukthagangotri, Mysuru-570006.	Off : 08212500071 Res : Cell : 9449178802 Email : raoamer@gmail.com	
8.	Dr. J.S. Chandrashekar Assistant Professor of Environmental Science, Karnataka State Open University, Mukthagangotri, Mysuru-570006.	Off : 08212512471 Res : Cell : 9663061978 Email : jnuchandu@gmail.com	
9.	Dr. Ngangbam Sarat Singh Assistant Professor of Zoology, Dr. Sarvepalli Radhakrishnan Government Arts College, Pillaraya Street, Yanam-533464 UT of Puducherry.	Off : 088423211282 Res : Cell : 9899202640 Email : sarat4sarat@gmail.com	

**Address List of Teacher Participants of the 14th Refresher Course in Life Sciences (Online)
from 29.09.2021 to 12.10.2021**

-2-

Sl. No.	Name & Address of the Participant	Contact No. & E-mail	Photo
10.	Dr. Jana Venkata Sudhakar Assistant Professor of Botany, Dr. Sarvepalli Radhakrishnan Government Arts College, Pillaraya Street, Yanam-533464 UT of Puducherry.	Off : 08842321282 Res : Cell : 9244214784 Email : jvsbsificus@gmail.com	
11.	Dr. Devika M. Assistant Professor of Botany, Sarada Vilas College, Krishnamurthy Puram, Mysuru-570004.	Off : 08212330221 Res : Cell : 9880024483 Email : mdh0803@gmail.com	
12.	Dr. Chandra Sekhara Rao Jammu Assistant Professor of Zoology, Dr. Sarvepalli Radhakrishnan Government Arts College, Pillaraya Street, Yanam-533464 UT of Puducherry.	Off : 088423211282 Res : Cell : 8500223284 Email : jammuchandrasedkhar@gmail.com	
13.	Dr. P. Kalaivani Assistant Professor of Zoology, Vellalar College for Women, Erode-638012. Tamil Nadu.	Off : 04242244101 Res : Cell : 9486673922 Email : palanivelkalaivani76@gmail.com	
14.	Dr. E.M. Rajesh Assistant Professor of Microbiology, PSG College of Arts and Science, Coimbatore-641014. Tamil Nadu.	Off : 04224303300 Res : Cell : 9597960617 Email : emraajesh@gmail.com	
15.	Dr. K.M. Syed Ali Fathima Assistant Professor of Zoology, J.K.K. Nataraja College of Arts and Science, Komarapalayam-638183. Namakkal Dist. Tamil Nadu.	Off : 9965363999 Res : Cell : 8973149025 Email : syedalifathima.km@jkkn.ac.in	
16.	Dr. Suriyanarayanan Sarvajayakesavalu Asst. Prof. of Environmental Science, Vinayaka Mission's Research Foundation (Deemed to be University), Salem-636308.	Off : 04272529700 Res : Cell : 8220220032 Email : sunsjk@gmail.com	
17.	Dr. R. Kannan Assistant Professor of Botany, Chikkaiah Naicker College, Erode-638004. Tamil Nadu.	Off : 04242291271 Res : Cell : 9367746058 Email : drrkannancnc@gmail.com	
18.	Azra Yasmeen Assistant Professor of Botany, Government College (Autonomous), Kalaburgi-585105.	Off : 08472245064 Res : Cell : 9880137086 Email : azra10071973@gmail.com	

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**Address List of Teacher Participants of the 14th Refresher Course in Life Sciences (Online)
from 29.09.2021 to 12.10.2021**

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Sl. No.	Name & Address of the Participant	Contact No. & E-mail	Photo
19.	Rafeeq Begum Assistant Professor of Botany, Government College (Autonomous), Kalaburgi-585105.	Off : 08472245064 Res : Cell : 9611734928 Email : khanrafeeqbegum@gmail.com	
20.	Dr. Sajitha N. Assistant Professor of Zoology, Arignar Anna Govt. Arts & Science College, Karaikal-609605. Pondicherry.	Off : 04368230431 Res : Cell : 9400991891 Email : sajithaparakkad@gmail.com	
21.	Dr. A. Nazeer Basha Assistant Professor of Zoology, C. Abdul Hakeem College (Autonomous), Melvisharam- 632509. Ranipet Dist. Tamil Nadu.	Off : 04172266487 Res : Cell : 9894930752 Email : nazeerb1982@gmail.com	
22.	Dr. Rajasamarsen Modi Assistant Professor of Botany, Government College (Autonomous), Kalaburgi-585105.	Off : 08472245064 Res : Cell : 9342134696 Email : botanygck2017@gmail.com	
23.	Somalingappa B. Palled Assistant Professor of Botany, KSS Arts Commerce Science College and PG Center, Gadag-582101.	Off : 08372236290 Res : Cell : 8088931042 Email : palledsomu1@gmail.com	
24.	Dr. R. Sowdeswari Assistant Professor of Zoology, J.K.K. Nataraja College of Arts and Science, Komarapalayam-638183. Namakkal Dist. Tamil Nadu.	Off : 9865933332 Res : Cell : 9944927103 Email : sowdeswaribuindia@gmail.com	
25.	Dr. Niranjana P. Assistant Professor of Biochemistry, Kuvempu University, Jnanasahyadri, Shankaraghatta-577451. Shimoga Dist.	Off : 08282265308 Res : Cell : 9035718389 Email : bpniru@gmail.com	
26.	Dr. Shruti Dipak Gubbawar Assistant Professor of Zoology, Bhagwantrao Arts and Science College, Etapalli-442704. Gadchiroli Dist. Maharashtra.	Off : 9423122212 Res : Cell : 9422894469 Email : gubbawarshruti@gmail.com	
27.	S.H. Varija Assistant Professor of Zoology, A.V. K. College for Women, Hassan-573201.	Off : 08172268568 Res : Cell : 9739827726 Email : varija.avk@gmail.com	

**Address List of Teacher Participants of the 14th Refresher Course in Life Sciences (Online)
from 29.09.2021 to 12.10.2021**

-4-

Sl. No.	Name & Address of the Participant	Contact No. & E-mail	Photo
28.	Dr. Subhadipa Sengupta Assistant Professor of Botany, Bidhannagar College, EB -2 , Sector -1, Salt Lake, Kolkata-700064. West Bengal.	Off : 03323374761 Res : Cell : 9830494460 Email : bansubha@gmail.com	
29.	M. Pandeewari Assistant Professor of Zoology, SIVET College, Gowrivakkam, Chennai-600073. Tamil Nadu.	Off : 04422780777 Res : Cell : 9750567956 Email : umeetpands@gmail.com	
30.	Dr. S. Umamaheswari Assistant Professor of Zoology, J. K. K. Nataraja College of Arts and Science, Komarapalayam-638183. Namakkal Dist. Tamil Nadu.	Off : 9865374999 Res : Cell : 9080915699 Email : uma.balasaran@gmail.com	
31.	Dr. J. Viji Assistant Professor of Zoology, Seethalakshmi Ramaswami College (Autonomous), Tiruchirappalli-620002. Tamil Nadu.	Off : 04312704855 Res : Cell : 7639857676 Email : vijikannan.j@gmail.com	
32.	Dr. C. Thilagavathi Assistant Professor of Botany, Seethalakshmi Ramaswami College (Autonomous), Tiruchirappalli-620002. Tamil Nadu.	Off : 04312704855 Res : Cell : 8012851291 Email : thilagaph.d@gmail.com	
33.	Dr. Joy H. Hoskeri Assistant Professor of Bioinformatics, Karnataka State Akkamahadevi Women's, University, Vijayapura-586108.	Off : 7795122960 Res : Cell : 7795122960 Email : joy@kswu.ac.in	

14th REFRESHER COURSE IN LIFE SCIENCES (ONLINE)
FROM 29.09.2021 TO 12.10.2021
SEMINAR SCHEDULE

Sl. No.	Name of the Participants	Subject	Title of the Seminar Topic	Date & Time
1.	Babu Y.	Zoology	ELISA and its Application	08.10.2021 03.45 To 05.00
2.	Dr. D. Kumar	Zoology	Fish Migration	
3.	Dr. I. Paul Ajithkumar	Botany	Entrepreneurial Botany	
4.	Dr. Anil Ankush Jagtap	Botany	Plant Tissue Culture and Micropropagation	
5.	Dr. T.S. Harsha	En. Science	Reimagine, Recreate, Restoration of Ecosystem	

1.	Ngangbam Sarat Singh	Zoology	Current status, challenges and future of bioremediation	09.10.2021 10.00 To 11.15
2.	Chandra Sekhara Rao Jammu	Zoology	Innovations and Conservation	
3.	Jana Venkata Sudhakar	Botany	Diversity of the genus Ficus in Western Ghats of India.	
4.	Dr. Devika M.	Botany	Double Fertilization	
5.	Dr. J.S. Chandrashekar	Environmental Science	An Indian perspective on Climate Change and it's Mitigation	

1.	Dr. P. Kalaivani	Zoology	Genetic Engineering	09.10.2021 11.45 To 01.00
2.	Dr. K.M. Syed Ali Fathima	Zoology	Immunology-An Overview	
3.	Dr. R. Kannan	Botany	r-DNA technology	
4.	Azra Yasmeen	Botany	Home Remedies to Combat with COVID-19 By Enhancement of Self Immunity.	
5.	Suriyanarayanan Sarvajayakesavalu	Environmental Sciences	Research Misconduct	

1.	Dr. Sajitha N.	Zoology	Bioluminescence	09.10.2021 02.00 To 03.15
2.	Dr. R. Sowdeswari	Zoology	Sericulture	
3.	Rafeeq Begum	Botany	Sacred grooves	
4.	Dr. Rajasamarsen Modi	Botany	Triphala Churna a effective Home Remedy	
5.	Raghavendra S.	Biochemistry	Elicitation -an approach for production of plant secondary metabolites.	

1.	Dr. Shruti Dipak Gubbawar	Zoology	Fungal Disease in fishes	11.10.2021 11.45 To 01.00
2.	S.H. Varija	Zoology	Avifauna composition of Ammanikere lake. H N Pura Hassan	
3.	Somalingappa B. Palled	Botany	Bacteria	
4.	Dr. Subhadipa Sengupta	Botany	Analysis of miRNA secondary structures	
5.	Dr. Niranjana P.	Biochemistry	How does blood glucose regulates Insulin release and it's biosynthesis?	

1.	M. Pandeewari	Zoology	Carbohydrate Metabolism	11.10.2021 02.00 To 03.15
2.	Dr. S. Umamaheswari	Zoology	Protein Synthesis	
3.	Dr. C. Thilagavathi	Botany	Mutation breeding for crop improvement.	
4.	Dr. C. Anitha	Food Science and Nutrition	Obesity and its management	

14th REFRESHER COURSE IN LIFE SCIENCES (ONLINE)
FROM 29.09.2021 TO 12.10.2021
SEMINAR SCHEDULE

1.	Dr. J. Viji	Zoology	Transgenic Animals and its applications	11.10.2021 03.45 To 05.00
2.	Dr. E.M. Rajesh	Medical Microbiology	Tetanus Toxoid	
3.	Dr. A. Nazeer Basha	Biophysics	Primary and Secondary Bonds	
4.	Joy H. Hoskeri	Biotechnology	Bioinformatics	

**UGC-HUMAN RESOURCE DEVELOPMENT CENTRE
MANASAGANGOTRI, MYSORE-570 006.**

**14th REFRESHER COURSE IN LIFE SCIENCES (ONLINE) – TIME TABLE FOR 1st WEEK (29.09.2021 TO 05.10.2021)
THRUST AREA: “THE NEW PERSPECTIVES IN BIOLOGICAL SCIENCES”**

Date and Day	10.00 AM to 11.15 AM	11.45 AM to 1.00 PM	1.00 to 2.00	2.00 PM to 3.15 PM	3.45 PM to 5.00 PM	
29.09.2021 Wednesday	Instructions to Teacher-Participants		L U N C H B R E A K	Advances in Biotechnology Prof. H. Shekar Shetty	Genomic Medicine Prof. N.B. Ramachandra	
30.09.2021 Thursday	Biology to Biotechnology Prof. C. Manoharachary	Immunological Techniques Prof. B.S. Vishwanath		Strategies in Vaccine Production Prof. S. Shishupala	Herbal Drugs – Boon or Bane Prof. K.A. Raveesha	
01.10.2021 Friday	Next Generation Sequencing Dr. C. Amruthavalli	Bioprospecting – Discovery of Bioactive Molecules from Plants Dr. T. Shivanandappa		Ethics in Research Prof. K. Muralidhar	Composting and Vermicomposting: Importance and Best Practices with Special Reference to Green Initiatives Prof. Basavaiah	
02.10.2021 Saturday	Microbial Crosstalk – Significance in Health and Food Safety Prof. Prathap Kumar Shetty	Global Warming and Climate Change Prof. A.G. Devi Prasad		Unusual Phytopathogen: Viroids and Phytoplasmas Prof. G.R. Janardhana	Library Work	
03.10.2021 Sunday	HOLIDAY			HOLIDAY		
04.10.2021 Monday	IPR and Biosafety Issues Prof. S.R. Niranjana	The Saga of Heat Shock Proteins in Silkworm Prof. H.B. Manjunatha		Genome Editing Dr. D.N. Rao	The Himalayas: Biogeography, Biodiversity and Bioresources Dr. R.R. Rao	
05.10.2021 Tuesday	Role of Microbiologist and Societal Responses to Covid-19 Pandemic Dr. M.S. Basavaraj	DNA Barcoding Prof. H.S. Prakash		Naming of Plants: ICBN and ICN Prof. G.R. Shivamurthy	Science and Society Dr. T. Vasanth Kumar	

Tea Break : 11.15 AM to 11.45 AM and 3.15 PM to 3.45 PM



**UGC-HUMAN RESOURCE DEVELOPMENT CENTRE
MANASAGANGOTRI, MYSORE-570 006.**

**14th REFRESHER COURSE IN LIFE SCIENCES (ONLINE) – TIME TABLE FOR 2nd WEEK (06.10.2021 TO 12.10.2021)
THRUST AREA: “THE NEW PERSPECTIVES IN BIOLOGICAL SCIENCES”**

Date and Day	10.00 AM to 11.15 AM	11.45 AM to 1.00 PM	1.00 to 2.00	2.00 PM to 3.15 PM	3.45 PM to 5.00 PM	
06.10.2021 Wednesday	Regulation and Quality Control of Phytopharmaceuticals Dr. Srinivas Patnala	Drafting Research Proposal for Possible Funding Dr. Sudisha Jogaiah	L U N C H B R E A K	Molecular Diagnostics for the Detection of Pathogenic Bacteria Prof. S. Umesha	Ecosystem Conservation and Restoration in Western Ghats Prof. S. Srikanta Swamy	
07.10.2021 Thursday	Probiotics : A Promising Approach to Control Mycotoxigenic Fungi and Mycotoxins in Foods Prof. M.Y. Sreenivasa	Invisible Microfactorics Prof. S. Satish		Chromosomal Aberrations Dr. L. Kusuma	Gene-An Architect of Phenotype Prof. B.P. Harini	
08.10.2021 Friday	Honey Bees – Role in Pollination and Beekeeping Prof. S. Basavarajappa	Evolutionary Arms Race Between Man and Corona Virus : A Real Time Global Evolutionary Experiment Prof. H.A. Ranganath		Studies on the Zebrafish Thrombocyte Function Dr. Uvaraj P. Radhakrishna	Participants Seminar – 1 Prof. Shobha Jagannath	
09.10.2021 Saturday	Participants Seminar – 2 Prof. B. Sannappa	Participants Seminar – 3 Prof. M.S. Sharada		Participants Seminar – 4 Dr. R.S. Umakanth	Library Work	
10.10.2021 Sunday	HOLIDAY			HOLIDAY		
11.10.2021 Monday	Western Ghats – A Treasure House of Medicinal Plants Dr. M.C. Thriveni	Participants Seminar – 5 Prof. N.S. Raju		Participants Seminar – 6 Prof. S.M. Gopinath	Participants Seminar – 7 Prof. S. Leelavathi	
12.10.2021 Tuesday	Genome Revolution – Its Impact and Application Prof. G.M. Nair	Mycorrhizae in Agriculture Prof. Rajkumar H. Garampalli		Interaction with Course Coordinator	Online Test and Feedback Session	

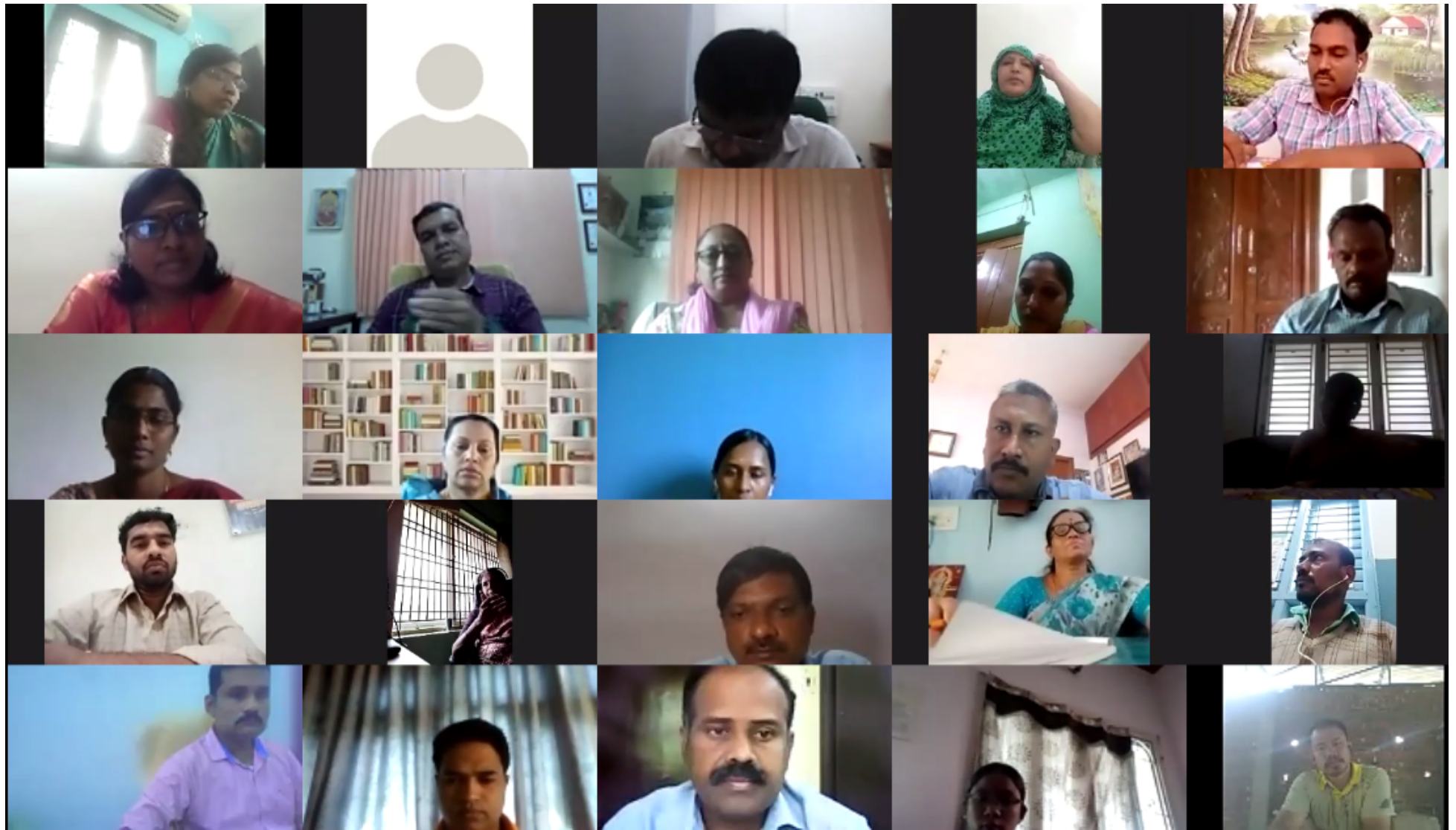
Tea Break : 11.15 AM to 11.45 AM and 3.15 PM to 3.45 PM

UNIVERSITY  OF MYSORE

UGC-HUMAN RESOURCE DEVELOPMENT CENTRE

14th Refresher Course in Life Science

GROUP PHOTO





UNIVERSITY GRANTS COMMISSION
HUMAN RESOURCE DEVELOPMENT CENTRE

University of Mysore



UGC Sponsored Refresher Course (Online)

Certificate of Participation

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affiliated to.....

Participated in the *Refresher Course in*.....

From..... *To*..... *and obtained*..... *Grade*.

Director

Co-ordinator

Vice-Chancellor