



**UNIVERSITY OF MYSORE**  
**UGC-HUMAN RESOURCE DEVELOPMENT CENTRE**

**Prof. S.S. Malini**  
**Director**

**MANASAGANGOTRI**  
**MYSURU – 570 006**  
**KARNATAKA, INDIA**

**2022-2023 (Online mode)**

**Report of the 15<sup>th</sup> Refresher Course in Life Sciences**

The 15<sup>th</sup> Refresher Course in Life Sciences was conducted by the UGC- Human Resource Development Centre, University of Mysore from 08-02-2023 to 21-02-2023. The theme of the Refresher Course was “Innovations and Applications of Life Science for Human Advancement”. The Course Coordinator was Prof. S. Basavarajappa, Department of Studies in Zoology, University of Mysore, Mysore. A total of 23 participants attended the refresher course.

The two week Refresher Course was started with the registration on 08.02.2023 at 10AM followed by instructions to Teacher-Participants. The lecture session commenced in the Afternoon by Prof. N.K. Lokanath, Director, PMEB, Department of Studies in Physics, University of Mysore, Manasagangotri, Mysore delivered the lecture on the topic “NEP - Challenges and Opportunities”, followed by Prof. Umesha. S, Department of Studies in Biotechnology, University of Mysore, Manasagangotri, Mysore on “Innovative Molecular Diagnostics for the detection of Bacterial Pathogens”. On the second day, morning, Dr. T. Shivanandappa, CSIR- Emeritus Scientist, Department of Studies in Zoology, University of Mysore, Manasagangotri, Mysore gave talk on “Evolution of Genes, form and Functions”, followed by Prof. A.G. Devi Prasad, Former Professor of Environmental Science, University of Mysore, Manasagangotri, Mysore on “Innovative Approaches to Mitigate Global Warming and Climate Change”. Afternoon, Prof. Rajkumar. G.H, Department of Studies in Botany, University of Mysore, Manasagangotri, Mysore spoke on “Importance of Arbuscular Mycorrhiza in Human Welfare and Food Security”, followed by Dr. Rajesh Kumar Thimmalappa, Associate Professor, Department of Biochemistry, JSS Medical College, Mysore “Human Papilloma Virus Modulates NRF-2 Signaling in Head and Neck Cancer Biomarkers for Patient Prognosis and De-escalation Therapy”. On the third day, morning, Prof. M.Y. Srinivas, Department of Studies in Microbiology, University of Mysore, Manasagangotri, Mysore gave lecture on “Gut Microbes- No Longer Forgotten Organ”, followed by Prof. B.P. Harini, Professor of Zoology, Bangalore University,

Jnanabharathi Campus, Bangalore on “Traits- An Entity of Genes” and continued the afternoon session on the topic “Model Organism- As a Tools in Science and Technology”, followed by Prof. V. Shakunthala, Department of Studies in Zoology, University of Mysore, Manasagangotri, Mysore delivered lecture on “Circadian Clock Life Style and Human Health”. On the fourth day , morning, Prof. Kemparaju K, Department of Studies in Biochemistry, University of Mysore, Manasagangotri, Mysore explained on “Targetting Homeostasis by the Indian Cobra Venom Metalloprotease”, followed by Prof. Nalini M.S, Department of Studies in Botany, University of Mysore, Manasagangotri, Mysore on “Applications of Diverse Natural products as Sources of Drugs against Humanity Aliments”. Afternoon, Prof. G.V. Venkataramana, Department of Studies in Environmental Science, University of Mysore, Manasagangotri, Mysore gave information on “Influence of Particulate Matter Oxidative Potential on Respiratory Health”. On the fifth day, morning, Prof. N.B. Ramachandra, UGC-BSR Faculty Fellow, Department of Studies in Genetics and Genomics, University of Mysore, Manasagangotri, Mysore demonstrated on “Know your Genome”, followed by Dr. Basappa S, Associate Professor, Department of Studies in Organic Chemistry, University of Mysore, Manasagangotri, Mysore on “Development of Drug- Seed and its Intellectual Property Protection”. Afternoon, Prof. M. Mamatha, HOD, Department of Bioscience and Sericulture, Sri Padmavathi Women’s University, Thirupathi “Computational and Gene Based Coding for Specimen Identification with Special Reference to Silkworms, *Bombyx mori*”, followed by Dr. Girish Kadadevar, Associate Professor, Department of Zoology, Karnataka University, Dharwad on “Listening to the Frogs”. On the sixth day, morning, Prof. Bela Zutshi, Department of Studies in Zoology, Bangalore University, Jnanabharathi Campus, Bangalore addressed on the topic “Innovative Strategies and Their Application in Lacustrine Culture”, followed by Prof. Amruthavalli, Department of Studies in Genetics and Genomics, University of Mysore, Manasagangotri, Mysore on “Personal Genomic Medicine is an Emerging Practice of Medicine”. Afternoon, Prof. C.B. Ganesh, Department of Studies in Zoology, Karnataka University, Dharwad gave talk on “Interactions between Endocrine and Immune Systems - Current Perspectives”, followed by Prof. S.S. Malini, Director, UGC - Human Resource Development Centre, University of Mysore, Manasagangotri, Mysore on “Health and Environment”.

On the second week of first day, morning, Prof. M.G. Venkatesh, Former Professor of Zoology, Bangalore University, Bangalore delivered lecture on “Insect Biodiversity and Human Welfare” and “Environment Friendly Management of Insect Pests of Crops”. Afternoon, Prof. T.C. Taranath, Department of Botany, Karnataka University, Dharwad spoke on “Nanoscience and Nanotechnology - Concept and Principles”, followed by Dr. Shilpa B.R, Associate Professor and Head, Department of School of Applied Science, Reva University, Bangalore on “Role of Stem Cell Therapy for the

Treatment of Haemoglobinopathies". On the second day, morning, Prof. V.A. Vijayan, Former Professor of Zoology, Bogadi, Mysore explained on "Emerging Arthropod Borne Diseases In India", followed by Dr. Manjula K.R, Associate Professor, School of Applied Science, Reva University, Bangalore gave lecture on "Therapeutic Approaches For The Rare Genetic Disorders" and in the afternoon she continued the lecture on the topic "Role of Herbal Medicine for the Treatment of Alzheimer's Disease", followed by Prof. Ramachandra Kini, Department of Studies in Biotechnology, University of Mysore, Manasagangotri, Mysore on "Current and Emerging DNA Sequencing Technology". On the third day, morning, Prof. B. Vijayakumar Malashetty, Professor of Zoology, Viajayanagara Sri Krishnadevaraya University, Bellary gave lectures on "Innovative Approaches in Drug Discovery and Development" and "Recent Advances in Animal Biotechnology". Afternoon, Prof. K.N. Amruthesh, Professor and Chairman, Department of Studies in Botany, University of Mysore, Manasagangotri, Mysore spoke on "Principles ICBN/ICN - How to Name a Plant", followed by Prof. P.M. Biradar, Professor and Chairman, Karnataka University, Dharwad on "Vermitechnology for a Better Environment". On the fourth day, morning, Prof. H.B. Manjunath, Professor and Chairman, Department of Studies in Sericulture Science, University of Mysore, Manasagangotri, Mysore explained on "Application of Heat Shock Technology for Development of New Silkworm Breeds Towards Elevation of Human Livelihood", followed by Prof. Rajkumar G.H moderated the "Participants Seminar-1". Afternoon, Prof. Mahadevaswamy, HOD, Department of Zoology, Yuvaraja's College, University of Mysore, Mysore evaluated the "Participants Seminar-2". On the fifth day, morning, Dr. Sachin Anil Punekar, Conservation Biologist and Founder, President, Biospheres Eshwari, Pune spoke on "Biodiversity Conservation and Sustainable Utilization of Bioresources from Northern Western Ghats", followed by Prof. Anil Kumar. M.N, Department of Studies in Sericulture Science, University of Mysore, Manasagangotri, Mysore moderated the "Participants Seminar-3". Afternoon, Dr. S. Lokesh, Department of Studies in Biotechnology, University of Mysore, Manasagangotri, Mysore evaluated the "Participants Seminar-4", followed by Prof. S. Satish, Department of Studies in Microbiology, University of Mysore, Manasagangotri, Mysore moderated the "Participants Seminar-5".

On the last day, morning, Dr. Shivananda Manohar J, Psychiatrist, Department of Psychiatry, JSS Hospital, Mysore gave lecture on "Stress and Resilience", followed by Prof. Janardhan G.R, Department of Studies in Botany, University of Mysore, Manasagangotri, Mysore on "Infections RNA's : Molecular Parasites of Plants". Afternoon, "Online Test" was conducted for Teacher Participants followed by "Feedback Session".

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.*

**Address List of Resource Persons of the 15th Refresher Course in  
Life Sciences (Online)**

**From : 08.02.2023 To 21.03.2023**

S.N	Name & Address of the Resource Persons	Contact No. & E-mail
1.	<b>Prof. S.S. Malini</b> Director, UGC -Human Resource Development Centre, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 94491 33293 Email : ssmaliniisri@yahoo.co.in
2.	<b>Prof. Lokanath N.K</b> Director, PMEB, Dept. of Studies in Physics , University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 94498 06412 Email : lokanath@physics.uni_mysore.ac.in
3.	<b>Prof. Umesh. S</b> Dept. of Studies in Biotechnology, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 94492 64384 Email : su@appbot.uni_mysore.ac.in
4.	<b>Dr. T. Shivanandappa</b> CSIR-Emeritus Scientist, Dept. of Studies in Zoology, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 94804 75885 Email : tshivanandappa@yahoo.com
5.	<b>Prof. A.G. Deviprasad</b> Professor of Environmental Science (Retd.), UOM, No. 113/B, 4 <sup>th</sup> Cross, 1 <sup>st</sup> Stage, Gangotri Layout, Saraswathipuram, Mysore-570009.	Off : Res : Cell : 94480 33391 Email : agdrprasad@yahoo.com
6.	<b>Dr. Rajesh Kumar Thimmulappa</b> Associate Professor, Dept. of Biochemistry, JSS Medical College, Sri Shivarathreeshwaranagara, Mysore-570015.	Off : Res : Cell : 99720 12892 Email : kumar_rt@yahoo.com
7.	<b>Prof. M.Y. Sreenivasa</b> Dept. of Studies in Microbiology, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 94490 54480 Email : sreenivasamy@gmail.com
8.	<b>Prof. B.P. Harini</b> Professor of Zoology, Bangalore University, Jnanabharathi Campus, Bangalore-56.	Off : Res : Cell : 86608 20357 Email : bpharini@yahoo.co.in

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<b>S.N</b>	<b>Name &amp; Address of the Resource Persons</b>	<b>Contact No. &amp; E-mail</b>
9.	<b>Prof. V. Shakunthala</b> Dept. of Studies in Zoology, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 94836 70892 Email : vshaku@yahoo.com
10.	<b>Prof. Kemparaju. K</b> Dept. of Studies in Biochemistry, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 99459 96543 Email : kemparaj@biochemistry.uni.mysore.ac.in
11.	<b>Prof. Nalini. M.S</b> Dept. of Studies in Botany, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 94801 66236 Email : nal_msn@yahoo.co.uk/ nmsomaiah@gmail.com
12.	<b>Prof. G.V. Venkataramana</b> Dept. of Studies in Environmental Science, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 94497 83457 Email : venkataraman_1970@yahoo.co.in
13.	<b>Prof. N.B. Ramachandra</b> UGC -BSR Faculty Fellow, Dept. of Studies in Genetics & Genomics, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 98800 33687 Email : nallurbr@gmail.com
14.	<b>Dr. Basappa. S</b> Associate Professor, Dept. of Studies in Organic Chemistry, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 94812 00076 Email : salundibasappa@gmail.com
15.	<b>Prof. M. Mamatha</b> HOD, Dept. of Bioscience & Sericulture, Sri Padmavathi Women's University, Padmavathinagara, Tirupathi-517502. Andra Pradesh.	Off : Res : Cell : 94913 11557 Email :
16.	<b>Dr. Girish Kadadevar</b> Associate Professor, Dept. of Zoology, Karnataka University, Pavate Nagar, Dharwad-580003.	Off : Res : Cell : 94491 37807 Email : ggkadadevaru@kud.ac.in

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17.	<b>Prof. Bela Zutshi</b> Dept. of Studies in Zoology, Bangalore University, Jnanabharathi Campus, Bangalore-570056.	Off : Res : Cell : 93437 14222 Email : bela_zutshi@yahoo.co.in
18.	<b>Dr. C. Amruthavalli</b> Associate Professor, Dept. of Studies in Genetics & Genomics, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 99019 69079 Email : amruthavalli@genetics.uni_mysore.ac.in
19.	<b>Prof. C.B. Ganesh</b> Dept. of Studies in Zoology, Karnataka University, Pavatenagara, Dharwad-580003.	Off : Res : Cell : 97317 29933 Email : cbganesh@kud.ac.in
20.	<b>Prof. M.G. Venkatesh</b> Professor of Zoology (Retd.), Bangalore University, C-89, Kalyananagar, 4 <sup>th</sup> Stage, CDA Layout, Jyothinagara, Chikkamagalur-577102.	Off : Res : Cell : 94486 89080 Email : venkatmelally@gmail.com
21.	<b>Prof. T.C. Taranath</b> Dept. of Botany, Karnataka University, Pavatenagar, Dharwad-580003.	Off : Res : Cell : 94803 35735 Email : tctaranath@gmail.com
22.	<b>Prof. V.A. Vijayan</b> Professor of Zoology (Retd.), # 262, 9 <sup>th</sup> Main Road, 2 <sup>nd</sup> Stage, Bogadi South, Mysore-570026.	Off : Res : Cell : 94487 93250 Email : vavunimysore@rediffmail.com
23.	<b>Dr. Manjula. K.R</b> Associate Professor, School of Applied Science, Reva University, Kattigenahalli, Yelahanka, Bangalore-560064.	Off : Res : Cell : 80957 16777 Email : manjula.kr@reva.edu.in
24.	<b>Prof. Ramachandra Kini</b> Dept. of Studies in Biotechnology, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 94481 28916 Email : krk@appbot.uni_mysore.ac.in

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<b>S.N</b>	<b>Name &amp; Address of the Resource Persons</b>	<b>Contact No. &amp; E-mail</b>
25.	<b>Prof. B. Vijayakumar Malashetty</b> Professor of Zoology, Vijayanagara Sri Krishnadevaraya University, Vinayaka Nagara, Bellary-583105.	Off : Res : Cell : 93430 11567 Email : vijaymalashetty@gmail.com
26.	<b>Prof. K.N. Amruthesh</b> Professor & Chairman, Dept. of Studies in Botany, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 94486 03119 Email : dr.knamruthesh@gmail.com/ dr.knamruthesh@botany.uni_mysore.ac.in
27.	<b>Prof. P.M. Biradar</b> Professor & Chairman, Karnataka University, Pavate Nagara, Dharwad-580003.	Off : Res : Cell : 94480 38958 Email : pulikeshi123@gmail.com/ pulikeshi123@rediffmail.com
28.	<b>Prof. H.B. Manjunatha</b> Professor & Chairman, Dept. of Studies in Sericulture Science, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 94490 59147 Email : manjunathahb@gmail.com
29.	<b>Prof. Rajkumar G.H</b> Dept. of Studies in Botany, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 99807 36894 Email : dr.hgrajkumar@botany.uni_mysore.ac.in
30.	<b>Prof. Mahadevaswamy</b> HOD, Dept. of Zoology, Yuvaraja's College, University of Mysore, Mysore-570005.	Off : Res : Cell : 94801 66620 Email :
31.	<b>Prof. Anil Kumar M.N</b> Dept. of Studies in Sericulture, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 98809 17421 Email :
32.	<b>Dr. S. Lokesh</b> Dept. of Studies in Biotechnology, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 99456 57078 Email :



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<b>S.N</b>	<b>Name &amp; Address of the Resource Persons</b>	<b>Contact No. &amp; E-mail</b>
33.	<b>Prof. S. Satish</b> Dept. of Studies in Microbiology, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 94483 23129 Email :
34.	<b>Dr. Shivananda Manohar J</b> Psychiatrist, Dept. of Psychiatry, JSS Hospital, Mahathma Gandhi Road, Mysore-570004.	Off : Res : Cell : 81054 38462 Email : drshivaman@gmail.com
35.	<b>Prof. Janardhan G.R</b> Dept. of Studies in Botany, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 98456 36998 Email : grjbelur@gmail.com
36.	<b>Dr. Sachin Anil Punekar</b> Conservation Biologist & Founder, President Biospheres Eshwari, 52/403, Near Ramna Ganpati, Lakshminagar, Pune-411009.	Off : Res : Cell : 95030 96469 Email : punekarsachin29@gmail.com
37.	<b>Dr. Shilpa B.R</b> Associate Professor & Head, Dept. of School of Applied Science, Reva University, Kattigenahalli, Yelahanka, Bangalore-560064.	Off : Res : Cell : 80957 16777 Email : biospheresorg@gmail.com
38.	<b>Prof. S. Basavarajappa</b> Course Coordinator, Dept. of Studies in Zoology, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 94492 03241 Email : ornithoraj11@gmail.com

**Address List of Teacher Participants of the 15<sup>th</sup> Refresher Course in Life Sciences (Online)  
from 08.02.2023 to 21.02.2023**

Sl. No.	Name & Address of the Participant	Contact No. & E-mail	Photo
1.	<b>Amit A. Jagiya</b> Assistant Professor of Botany, Manoharbhai Patel College, Sakoli-441802. Bhandara Dist. Maharashtra.	Off : 07186236140 Res : Cell : 9423606180 Email : amitjagiya@gmail.com	
2.	<b>Dr. B. Anandan</b> Assistant Professor of Genetics, University of Madras, Chennai-600113. Tamil Nadu.	Off : 04424547180 Res : Cell : 9841383736 Email : anand_gem@yahoo.com	
3.	<b>Dr. R. Aruna</b> Assistant Professor of Botany, Thiagarajar College, Madurai-625009. Tamil Nadu.	Off : 0452 2311875 Res : Cell : 7904719393 Email : aruna_bot@tcarts.in	
4.	<b>Dr. M. Ayyanar</b> Assistant Professor of Botany. A.V.V.M. Sri Pushpam College. Poondi-613503. Thanjavur Dist. Tamil Nadu.	Off : 04374239523 Res : Cell : 9940376005 Email : asmayyanar@yahoo.com	
5.	<b>Dr. R. Bhuvaneswari</b> Assistant Professor of Zoology. Ayya Nadar Janaki Ammal College. Sivakasi-626124. Virudhunagar Dist. Tamil Nadu.	Off : 04562254100 Res : Cell : 8939923459 Email : bhuvaneswari_ts211@anjaconline.org	
6.	<b>Dr. Chaithra B.</b> Assistant Professor of Zoology. Vijaya College. Basavanagudi, Bengaluru-560004.	Off : 08026933220 Res : Cell : 9538742547 Email : chaithraphd@gmail.com	
7.	<b>Dr. Dharmendra Kumar</b> Assistant Professor of Zoology, Government P. G. College, Maldevta, Raipur, Dehradun-248008. Uttarakhand State.	Off : 01352989898 Res : Cell : 8476920620 Email : oxidation01@gmail.com	
8.	<b>Dr. Gandhimathi R.</b> Assistant Professor of Microbiology, LRG Government Arts College for Women, Tiruppur-641604. Tamil Nadu.	Off : 04212210300 Res : Cell : 9865544866 Email : lrgrgmathi@gmail.com	
9.	<b>Dr. K. Jayaseelan</b> Assistant Professor of Zoology, A.V.V.M. Sri Pushpam College (Autonomous), Poondi, Thanjavur-613503. Tamil Nadu.	Off : 04374239523 Res : Cell : 9994957966 Email : drkaejae@gmail.com	

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Sl. No.	Name & Address of the Participant	Contact No. & E-mail	Photo
10.	<b>Dr. Joyobrato Nath</b> Assistant Professor of Zoology, Cachar College, Silchar-788001. Cachar Dist. Assam.	Off : 03842246953 Res : Cell : 8638090670 Email : joyobrato.nath@gmail.com	
11.	<b>Dr. B. Kaleeswaran</b> Assistant Professor of Zoology, A.V.V.M. Sri Pushpam College (Autonomous), Poondi-613503. Thanjavur Dist. Tamil Nadu.	Off : 04374239523 Res : Cell : 9894542489 Email : zookaleesh@gmail.com	
12.	<b>Dr. Kavya Bakka</b> Assistant Professor of Microbiology, Central University of Tamil Nadu, Thiruvarur-610005. Tamil Nadu.	Off : 7995184132 Res : Cell : 7995184132 Email : kavyabakka@cutn.ac.in	
13.	<b>Dr. D. Kayalvizhi</b> Assistant Professor of Botany, SIVET College, Gowrivakkam, Chennai-600073. Chengalput Dist. Tamil Nadu.	Off : 04422780777 Res : Cell : 8610308053 Email : kayalvizhi@sivet.in	
14.	<b>Dr. M. Lakshmikanth</b> Assistant Professor of Biochemistry, College of Agriculture, Raichur-584104.	Off : 08532220041 Res : Cell : 7760109177 Email : mlakshmikanth@uasraichur.edu.in	
15.	<b>Minakshi Pandey</b> Assistant Professor of Biotechnology, GPS Institute of Agricultural Management, Peenya 1 <sup>st</sup> Stage, Bengaluru-560058.	Off : 08029723543 Res : Cell : 7795055985 Email : minakship.gps@gmail.com	
16.	<b>Dr. Niranjana Raj S.</b> Assistant Professor of Microbiology, Karnataka State Open University, Mukthagangotri, Mysuru-570006.	Off : 08212512471 Res : Cell : 9886859350 Email : niruraj@gmail.com	
17.	<b>Dr. A. Pauldasan</b> Assistant Professor of Botany Bishop Heber College (Autonomous) Tiruchirappalli-620017. Tamil Nadu.	Off : 04312770136 Res : Cell : 9710156483 Email : paul.1788@gmail.com	
18.	<b>Dr. Raghu Ram Achar</b> Assistant Professor of Biochemistry, School of Life Sciences, Sri Shivarathreeswara Nagara, Mysuru-570015.	Off : 08212548326 Res : Cell : 9535413026 Email : rracharya@jssuni.edu.in	

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**Address List of Teacher Participants of the 15<sup>th</sup> Refresher Course in Life Sciences (Online)  
from 08.02.2023 to 21.02.2023**

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Sl. No.	Name & Address of the Participant	Contact No. & E-mail	Photo
19.	<b>Roopini GA Reddy</b> Assistant Professor of Horticulture and Plant Protection, GPS Institute of Agricultural Management, Peenya 1 <sup>st</sup> Stage, Bengaluru-560058.	Off : 08029723543 Res : Cell : 7899181193 Email : roopini.vlm@gmail.com	
20.	<b>Sarina P. Khabade</b> Assistant Professor of Biotechnology, Nrupathunga University, Bangalore-560001.	Off : 08022212924 Res : Cell : 9886253536 Email : sarinapk2008@gmail.com	
21.	<b>Dr. Sheenaja K.K.</b> Assistant Professor of Zoology, Sree Kerala Varma College, Thrissur-680011. Kerala.	Off : 04872382438 Res : Cell : 9846594300 Email : sheenajakk@gmail.com	
22.	<b>Dr. Syeda Kahkashan Tanveer Fatima</b> Assistant Professor of Zoology, Smt. Allum Sumangamma Memorial College for Women, Gandhi Nagar, Ballari-583103.	Off : 0832256757 Res : Cell : 9916602982 Email : skahkashantanveer@gmail.com	
23.	<b>Dr. Vinutha C.</b> Assistant Professor of Biochemistry, College of Agriculture, Hanumanamatti-581115. Haveri Dist.	Off : 08373253724 Res : Cell : 9743047088 Email : vinuthakanth@yahoo.com	

**15<sup>th</sup> REFRESHER COURSE IN LIFE SCIENCES (ONLINE)**  
**FROM 08.02.2023 TO 20.02.2023**  
**SEMINAR SCHEDULE**

Sl. No.	Name of the Participants	Subject	Title of the Seminar Topic	Date & Time
1.	Amit Jagiya	Botany	Phylloplane Mycoflora : Interkingdom pathways	18.02.2023  11.45 to 01.00
2.	Dr. Aruna R.		Avian frugivory of Ficus spp in Western Ghats, India	
3.	Ayyanar M.		Bioprospecting of Folk Medicinal Plants: Challenges and Opportunities	
4.	Dr. Kayalvizhi D.		Sacred grooves in India	
5.	Dr. Pauldasan A.		Introduction a Multipurpose tree - Casuarina	

1.	Dr. Bhuvaneswari R.	Zoology	Unravelling mystery of eel migration	18.02.2023  02.00 to 03.15
2.	Dr. Chaithra B.		Immunology: Hypersensitivity and autoimmune disease	
3.	Dr. Dharmendra Kumar		Free Radicals and Antioxidants	
4.	Dr. Jayaseelan K.		Vermiculture and its economic importance	

1.	Dr. Joyobrato Nath	Zoology	Systematic Molecular Detection of Amoebiasis	20.02.2023  11.45 to 01.00
2.	Kaleeswaran B.		Role of Probiotics in Fish Immunity	
3.	Dr. Sheenaja K.K.		Types of eggs in embryology	
4.	Dr. Syeda Khakashan Tanveer Fathima		Toxicology and Human Health	

1.	Dr. Lakshmikanth M.	Biochemistry	Reversal of HIV infection	20.02.2023  02.00 to 03.15
2.	Dr. Raghu Ram Achar		Thermodynamics of Protein Folding	
3.	Dr. Vinutha C.		Amino acids and its Classification	
4.	Minakshi Pandey	Biotechnology	Skills & Indian Schemes in Agri. Biotechnology	
5.	Sarina P Khabade		L-asparaginase, wonder drug to treat All	

1.	Dr. Gandhimathi R.	Microbiology	Bacterial Bioluminescence	20.02.2023  03.45 to 05.00
2.	Dr. Kavya Bakka		Extremophiles: Adaptations and Applications	
3.	Dr. Niranjana Raj S.	Plant Microbiology	Exploiting crop wild relatives for plant disease resistance	
4.	Dr. Anandan B.	Genetics	Genetic Influences in Sport and Physical Performance	
5.	Roopini GA Reddy	Horticulture & Plant protection	Pollinators and food security	

**UGC–HUMAN RESOURCE DEVELOPMENT CENTRE**  
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**15<sup>th</sup> REFRESHER COURSE IN LIFE SCIENCES (ONLINE) – TIME TABLE FOR 1<sup>st</sup> WEEK (08.02.2023 TO 14.02.2023)**  
**THRUST AREA: “INNOVATIONS AND APPLICATIONS OF LIFE SCIENCE FOR HUMAN ADVANCEMENT”**

<b>Date and Day</b>	<b>10.00 AM to 11.15 AM</b>	<b>11.45 AM to 1.00 PM</b>	<b>1.00 to 2.00</b>	<b>2.00 PM to 3.15 PM</b>	<b>3.45 PM to 5.00 PM</b>	
08.02.2023 Wednesday	Instructions to teacher-Participants		<b>L U N C H B R E A K</b>	NEP – Challenges and Opportunities <b>Prof. Lokanath N.K.</b>	Innovative Molecular Diagnostics for the detection of Bacterial Pathogens <b>Prof. Umesha S.</b>	
09.02.2023 Thursday	Evolution of Genes, form and Functions <b>Dr. T. Shivanandappa</b>	Innovative Approaches to Mitigate Global Warming and Climate Change <b>Prof. A.G. Devi Prasad</b>		Importance of Arbuscular Mycorrhiza in Human Welfare and Food Security <b>Prof. Rajkumar G.H.</b>	Human Papilloma Virus Modulates NRF-2 signaling in Head and Neck Cancer Biomarkers for Patient Prognosis and De-escalation Therapy <b>Dr. Rajesh Kumar Thimmalappa</b>	
10.02.2023 Friday	Gut Microbes – No Longer Forgotten Organ <b>Prof. M.Y. Srinivas</b>	Traits – An Entity of Genes <b>Prof. B.P. Harini</b>		Model Organism – As a Tools in Science and Technology <b>Prof. B.P. Harini</b>	Circadian Clock Life Style and Human Health <b>Prof. V. Shakunthala</b>	
11.02.2023 Saturday	Targetting Homeostasis by the Indian Cobra Venom Metalloprotease <b>Prof. K. Kemparaju</b>	Applications of Diverse Natural Products as Sources of Drugs against Humanity Aliments <b>Prof. M.S. Nalini</b>		Influence of Particulate Matter Oxidative Potential on Respiratory Health <b>Prof. G.V. Venkataramana</b>	<b>Library Work</b>	
12.02.2023 Sunday	<b>HOLIDAY</b>			<b>HOLIDAY</b>		
13.02.2023 Monday	Know your Genome <b>Prof. N.B. Ramachandra</b>	Development of Drug – Seed and its Intellectual Property Protection <b>Dr. Basappa S.</b>		Computational and Gene Based Coding for Specimen Identification with Special Reference to Silkworms, Bomby mori <b>Prof. M. Mamatha</b>	Listening to the Frogs <b>Dr. Girish Kadadevaru</b>	
14.02.2023 Tuesday	Innovative Strategies and Their Application in Lacustrine Culture <b>Prof. Dr. Bela Zutshi</b>	Personal Genomic Medicine is an Emerging Practice of Medicine <b>Prof. Amruthavalli</b>		Interactions between Endocrine and Immune Systems – Current Perspectives <b>Prof. Ganesh C.B.</b>	Health and Environment <b>Prof. S. S. Malini</b>	

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

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**15<sup>th</sup> REFRESHER COURSE IN LIFE SCIENCES (ONLINE) – TIME TABLE FOR 2<sup>nd</sup> WEEK (15.02.2023 TO 21.02.2023)**  
**THRUST AREA: “INNOVATIONS AND APPLICATIONS OF LIFE SCIENCE FOR HUMAN ADVANCEMENT”**

<b>Date and Day</b>	<b>10.00 AM to 11.15 AM</b>	<b>11.45 AM to 1.00 PM</b>	<b>1.00 to 2.00</b>	<b>2.00 PM to 3.15 PM</b>	<b>3.45 PM to 5.00 PM</b>	
15.02.2023 Wednesday	Insect Biodiversity and Human Welfare <b>Prof. M.G. Venkatesh</b>	Environment Friendly Management of Insect Pests of Crops <b>Prof. M.G. Venkatesh</b>	<b>L U N C H B R E A K</b>	Nanoscience and Nanotechnology – Concept and Principles <b>Prof. T.C. Taranath</b>	Role of Stem Cell Therapy for the Treatment of Haemoglobinopathies <b>Dr. Shilpa B.R.</b>	
16.02.2023 Thursday	Emerging Arthropod Borne Diseases In India <b>Prof. V.A. Vijayan</b>	Therapeutic Approaches For The Rare Genetic Disorders <b>Dr. Manjula K.R.</b>		Role of Herbal Medicine for the Treatment of Alzheimer’s Disease <b>Dr. Manjula K.R.</b>	Current & Emerging DNA Sequencing Technology <b>Prof. Ramachandra Kini</b>	
17.02.2023 Friday	Innovative Approaches in Drug Discovery and Development <b>Prof. Vijayakumar B. Malashetty</b>	Recent Advances in Animal Biotechnology <b>Prof. Vijayakumar B. Malashetty</b>		Principles ICBN/ICN – How to Name a Plant? <b>Prof. K.N. Amruthesh</b>	Vermitechnology for a Better Environment <b>Prof. P.M. Biradar</b>	
18.02.2023 Saturday	Application of Heat Shock Technology for Development of New Silkworm Breeds Towards Elevation of Human Livelihood <b>Prof. H.B. Manjunath</b>	Participants Seminar – 1 <b>Dr. Rajkumar H. Garampalli</b>		Participants Seminar – 2 <b>Dr. Madeswamy</b>	<b>Library Work</b>	
19.02.2023 Sunday	<b>HOLIDAY</b>			<b>HOLIDAY</b>		
20.02.2023 Monday	Biodiversity Conservation and Sustainable Utilization of Bioresources from Northern Western Ghats <b>Dr. Sachin Pennikar</b>	Participants Seminar – 3 <b>Dr. Anil Kumar M.N.</b>		Participants Seminar –4 <b>Dr. Lokesh S.</b>	Participants Seminar – 5 <b>Prof. S. Satish</b>	
21.02.2023 Tuesday	Stress and Resilience <b>Dr. Shivanand Manohar J.</b>	Infections RNAs : Molecular Parasites of Plants <b>Prof. Janardhana G.R.</b>		<b>Online Test and Feedback Session</b>		

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



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UGC-HUMAN RESOURCE DEVELOPMENT CENTRE

15<sup>th</sup> Refresher Course in Life Sciences

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