



PONDICHERRY UNIVERSITY

(A Central University)

UGC-HUMAN RESOURCE DEVELOPMENT CENTRE

(UGC-HRDC)

Course Name: Refresher Course Environmental Sciences (Physics, Chemistry, Ecology, Earth - Sciences, and Oceanography) Duration: 10th July to 30th July 2018

SCHEDULE

Date	ForeNoon 10:00AM – 1:00PM	AfterNoon 2:00PM – 5 :00PM
10.07.2018 Tuesday	Registration & Inauguration	1. Bio resources from various biomes and their conservation significance under climate change scenario 2. Blue Carbon sequestration potential and conservation of tropical coast Prof. N. Parthasarathy Dean, School of Life Sciences, Pondicherry University
11.07.2018 Wednesday	Environmental Biotechnology and toxicology Prof. A. Vijayabhaskara Rao Head, Dept. Ecology & Environmental Sciences Pondicherry University	1. Stable isotopes in the environment 2. Application of stable isotopes in paleo-climatology Prof. S. Balakrishnan Dept. of Earth Sciences, Pondicherry University
12.07.2018 Thursday	Remote Sensing and GIS in Coastal Zone management Dr. G. Muthusankar Head, GIS Projects French Institute of Pondicherry	Electrochemical energy storage devices Prof. Ramaswamy Murugan Head, Dept. of Physics Pondicherry University
13.07.2018 Friday	1. What is the fate of a molecule in the Earth's atmosphere? 2. Spectroscopy: A tool to understand the chemistry in the atmosphere. Prof. B. Rajakumar Professor, Department of Chemistry Indian Institute of Technology, Madras	Global Climate Change Prof. Rajneesh Bhutani Dept. of Earth Sciences, Pondicherry University
14.07.2018 Saturday	1. Techno-Economic Assessment of the Forthcoming Bioeconomy 2. Anthropocene and Habitat loss: Cost Benefit analysis of destruction, fragmentation and degradation Dr. Zareena Begum I Madras School of Economics, Chennai	Biotechnology: Introduction, Sentiments, Fear and Criticism Prof. N. Sakthivel Dept. of Biotechnology Pondicherry University
16.07.2018 Monday	1. Revolution of light wave communication 2. Research funding in India Prof. K. Porsezian Dept. of Physics, Pondicherry University	Naked eye detection of toxic ions in the environment Dr. S. Easwaramoorthi Dept. of Chemical Sciences CSIR-Central Leather Research Institute, Chennai
17.07.2018 Tuesday	Environmental Archaeology Prof. K. Rajan Dept. of History Pondicherry University	Sustainable groundwater management- a geospatial approach Prof. G. Bhaskaran Head Centre for Water Resources Management, University of Madras, Chennai
18.07.2018 Wednesday	Pollution Abatement and Management Prof. K. Anbalagan Dept. of Chemistry Pondicherry University	Mangroves for the future Dr. K. Kathiresan Professor-Emeritus UGC-BSR Faculty Fellow Formerly Dean, Director & Syndicate Member

		Centre of Advanced Study in Marine Biology Annamalai University, Chidambaram
19.07.2018 Thursday	<i>Marine environment: Implications and future studies</i> Prof. R. Arthur James Head, Dept. of Marine Sciences Bharathidasan University, Tiruchirappalli	Seminar
20.07.2018 Friday	<i>Human – Elephant Conflicts (HEC) in India and the role of MOEF in Elephant Conservation</i> Dr. K. Muthamizh Selvan Joint Director (PE) Ministry of Environment, Forest & Climate Change Project Elephant Indira Paryavaran Bhawan, New Delhi.	<i>Research avenues in Marine Sciences</i> Prof. A. Shanmugam Dean, Dept. of Marine Biology Annamalai University, Chidambaram
21.07.2018 Saturday	<i>Environmental Forensics and Mass Spectrometry</i> Prof. Ramaswamy Babu Rajendran Head, Dept. of Environmental Biotechnology Bharathidasan University, Tiruchirappalli	<i>Human –Animal Conflicts with special reference to North Eastern India</i> Dr. K. Muthamizh Selvan Joint Director (PE) Ministry of Environment, Forest & Climate Change Project Elephant Indira Paryavaran Bhawan, New Delhi.
23.07.2018 Monday	<i>Environmental Ethics</i> Prof. D. Narasimhan Chennai	<i>Environmental Management</i> Prof. K. Thamaraiselvi Dept. of Environmental Biotechnology Bharathidasan University, Tiruchirappalli
24.07.2018 Tuesday	<i>Food and Health</i> Prof. H. Prathap Kumar Shetty Head, Dept. of Food Science & Technology Pondicherry University	<i>Scope and perspectives of supra molecular chemistry</i> Prof. Balamanimaran Dept. of Chemistry, Pondicherry University
25.07.2018 Wednesday	<i>1. Environmental Degradation - major causes and challenges</i> <i>2. Waste Management: Beat Plastic Pollution</i> Prof. E.V. Ramasamy Director School of Environmental Sciences, MG University, Kottayam	Seminar
26.07.2018 Thursday	<i>Biomass energy for mitigating climate change: Prospects and Challenges</i> Prof. B. Mohammed Jaffar Ali Head Centre for Green Energy Technology Pondicherry University	Exam
27.07.2018 Friday	<i>1. Fertilizer, Food and Environment</i> <i>2. Diversified sources of plant nutrients in organic production systems</i> <i>3. Climate change and its impact on agriculture</i> Dr. S. Ravi Agronomist, Perunthalaiivar Kamaraj Krishi Vigyan Kendra (PKKV), TNAU, Puducherry	<i>1. Environmental Impact Assessment</i> <i>2. E-waste management</i> Prof. Muthukumar Muthuchamy Dean, School of Earth Science Systems Central University of Kerala, Kasaragod
28.07.2018 Saturday	<i>Behavioral Ecology of animals</i> Prof. R. Nagarajan Principal AVC College, Mayiladuthurai	<i>1. Environmental Remote Sensing</i> <i>2. Applications of GIS</i> Prof. R. Jaganathan Head Dept. of Geography, University of Madras
30.07.2018 Monday	Feedback & Evaluation	Valedictory Session

LIST OF PARTICIPANTS

Sl.No	Name & Detail
1.	K. N. Kusuma Assistant Professor of Earth Sciences Pondicherry University, Pondicherry
2.	K. Venkata Phani Lata Assistant Professor of Physics Pondicherry University
3.	T. Govindan Assistant Professor of Botany Govt. Arts College, Chidambaram
4.	P. Poongothai Assistant Professor of Geology Thiru A. Govindasamy Govt. Arts College Tindivanam
5.	R. Markkandan Assistant Professor of Chemistry Thiru A. Govindasamy Govt. Arts College Tindivanam
6.	S. Anbarasan Assistant Professor of Chemistry Thiru A. Govindasamy Govt. Arts College, Tindivanam
7.	S. Prabha Assistant Professor of Chemistry Govt. Arts College, C.Mutlur, Chidambaram
8.	G. Manikandan Assistant Professor in Chemistry Thiru Kolanjiappar Govt. Arts College, Viruddhachalam
9.	R. Ezhil Pavai Assistant Professor of Physics Thiru Kolanjiappar Govt. Arts College, Cuddalore
10.	R. Rajeswari Assistant Professor of Chemistry Quaid – E- Millath Govt. College for Women Chennai
11.	M. Suganya Assistant Professor of Physics A V V M Sri Pushpam College, Poondi, Thanjavur
12.	S. Ponkumar Assistant Professor of Physics Thiruvalluvar Govt. Arts College, Rasipuram

13.	P. Raju Assistant Professor of Physics H. H. The Rajah's College, Pudukkottai
14.	R. Poongodi Assistant Professor of Chemistry Thiru Vi Ka Govt. Arts College, Thiruvarur
15.	S. Ravi Shankar Assistant Professor of Physics A V VM Sri Pushpam College, Poondi, Thanjavur
16.	G. Vasuki Assistant Professor of Physics Aditanar College of Arts & Science Tiruchendur
17.	P. Raja Assistant Professor of Chemistry Vivekananda College, Agasteeswaram, Kanyakumari
18.	M. Maruthavanan Assistant Professor of Physical Science Thiagarajar College of Preceptors, Madurai
19.	P. Sudha Assistant Professor of Chemistry Thiru Vi Ka Govt. Arts College, Thiruvarur
20.	R. Geetha Assistant Professor of Chemistry Kundhavai Naachiyaar Govt. Arts College for Women, Thanjavur
21.	D. Deiva Tamil Assistant Professor of Physics H H The Rajah's College, Pudukkottai
22.	A. Dhanalakshmi Assistant Professor of Physics Govt. Arts College for Women, Pudukkottai
23.	M. Sivakami Assistant Professor of Physics H H The Rajah's College, Pudukkottai
24.	R. Sunil Kumar Assistant Professor of Geography Govt. Arts College, Coimbatore
25.	M. Panneer Selvam Assistant Professor of Geography Govt. Arts College, Coimbatore
26.	T. Deepa Assistant Professor of Chemistry Govt. Arts College, Thiruvannamalai
27.	N. Kumaraguru Assistant Professor of Chemistry Periyar E V R College, Tiruchirappalli.

28.	A. Aslam Assistant Professor of Botany Jamal Mohamed College, Tiruchirappalli.
29.	A John Amalraj Assistant Professor of Chemistry Periyar E V R College, Tiruchirappalli
30.	V. S. Sridevi Assistant Professor of Chemistry Periyar E V R College, Tiruchirappalli
31.	C. Geetha Priya Assistant Professor of Chemistry Periyar E V R College, Tiruchirappalli
32.	C. Pragathiswaran Assistant Professor of Chemistry Periyar E V R College, Tiruchirappalli
33.	M. Sekar Assistant Professor of Chemistry Periyar E V R College, Tiruchirappalli
34.	S. Saravanakumar Assistant Professor in Geography Govt. Arts College, kumbakonam
35.	S. Vijayaragavan Assistant Regional Director IGNOU Regional Centre, Cochin, Kerala – 682 017
36.	Daison P J Assistant Professor of Physics St. Thomas' College, Thrissur, Kerala
37.	Subin K. Jose Assistant Professor of Environmental Science Christ College, Irinjalakuda, Thrissur
38.	Shivaji Babaso Sadale Assistant Professor of Physics Shivaji University, Kolhapur, Maharashtra
39.	Vinayak G K Assistant Professor of Physics Govt. First Grade College, Jewargi, Karnataka
40.	Shivraj G Gounhalli Assistant Professor Smt Veeramma Gangasiri Degree College for Women, Kalaburagi.
41.	Jaishree G. Badiger Assistant Professor in Chemistry Smt V G. Degree College for Women, Kalaburagi
42.	Dhanaji Suresh Dalavi Assistant Professor of Physics Krishna Mahavidyalay, Rethare, MH

LIST OF RESOURCE PERSONS

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1.	1. Bio resources from various biomes and their conservation significance under climate change scenario 2. Blue Carbon sequestration potential and conservation of tropical coast Prof. N. Parthasarathy
2.	Environmental Biotechnology and toxicology Prof. A. Vijayabhaskara Rao
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4.	Remote Sensing and GIS in Coastal Zone management Dr. G. Muthusankar
5.	Electrochemical energy storage devices Prof. Ramaswamy Murugan
6.	Hydrogeology & Perspectives Dr. K. Srinivasamoorthy
7.	Global Climate Change Prof. Rajneesh Bhutani
8.	1. Techno-Economic Assessment of the Forthcoming Bioeconomy 2. Anthropocene and Habitat loss: Cost Benefit analysis of destruction, fragmentation and degradation Dr. Zareena Begum I
9.	Biotechnology: Introduction, Sentiments, Fear and Criticism Prof. N. Sakthivel
10.	Oil seeds for higher yielding & Genetic Engineering Prof. N. Arumugam
11.	Scope and perspectives of supra molecular chemistry Prof. Balamanimaran
12.	Environmental Archaeology Prof. K. Rajan
13.	Sustainable groundwater management- a geospatial approach Prof. G. Bhaskaran
14.	Pollution Abatement and Management Prof. K. Anbalagan
15.	Mangroves for the future Dr. K. Kathiresan
16.	Marine environment: Implications and future studies Prof. R. Arthur James
17.	Human – Elephant Conflicts (HEC) in India and the role of MOEF in Elephant Conservation Dr. K. Muthamizh Selvan
18.	Human –Animal Conflicts with special reference to North Eastern India Dr. K. Muthamizh Selvan
19.	Environmental Forensics and Mass Spectrometry Prof. Ramaswamy Babu Rajendran
20.	Research avenues in Marine Sciences

	Prof. A. Shanmugam
21.	Environmental Ethics Prof. D. Narasimhan
22.	Environmental Management Dr.P. Rajaguru, Trichy
23.	Biomass energy for mitigating climate change: Prospects and Challenges Prof. B. Mohammed Jaffar Ali
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28.	1. Environmental Impact Assessment 2. E-waste management Prof. Muthukumar Muthuchamy
29.	Behavioral Ecology of animals Prof. R. Nagarajan
30.	1. Environmental Remote Sensing 2. Applications of GIS Prof. R. Jaganathan
31.	Seminar Evaluation Dr. Suja P. Devipriya