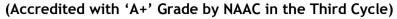


### **UGC-Human Resource Development Centre**

#### BHARATHIDASAN UNIVERSITY



Khajamalai Campus, Tiruchirappalli- 620 023, TN, India +91 63742 54752 | 0431-2331062 | hrdc@bdu.ac.in | www.ugchrdcbdu.org



Ref: UGC-HRDC/BDU/2021/738 Date:20.02.2021

Dear Sir / Madam,

Greetings from UGC-HRDC, Bharathidasan University!

We are pleased to inform you that we are organizing the UGC-Sponsored Online Refresher Course in Environmental Sciences (Multidisciplinary) for the university and college teachers from 24.02.2021 to 09.03.2021. This Refresher Course is meant for the mid-career teachers of the different disciplines with the objective of helping them develop deeper insights into the discipline and know the recent advances in the field.

In this regard, we cordially invite you to serve as a Resource Person for the academic sessions as detailed below and share your expertise with the participants.

Programme	Date & Session	Topic	Web Link
Refresher Course in Environmental Sciences (MD)	25.02.2021 AN (02.00 p.m. to 05.00 p.m.)	Climate Change and Human Health	https://meet.google.com/ now-pkyz-njf

Kindly make yourself available on the above platform 10 minutes before the session and avoid request for cancelation / postponement of the session. The last 10-15 minutes will be for the participants' interactions with you.

We would be much obliged, if you could send us a write-up on the content of your presentation and your brief CV. Since there will be an Online Test to all the participants, you are requested to send 10 Multiple Choice Type Questions on the content of your presentation with Key at the earliest.

The Co-ordinator of the Refresher Course in Environmental Sciences (MD) is Dr. M. Govindaraju, Professor & Head, Dept. of Environmental Biotechnology, Bharathidasan University, (Mobile: 9443688336). You may contact him for any clarifications with regard to the Course.

Please be informed that Honorarium will be paid as per the UGC norms through NEFT / Online Transfer. Kindly send your bank account details in the enclosed proforma and the enclosed claim form, duly filled in.

We solicit your kind cooperation for the successful conduct of the above Course.

Thanking you,

To

Dr. VIDHYA VENUGOPAL

Professor

Department of Environmental Health Engineering Sri Ramachandra Institute of Higher Education & Research Sri Ramachandra University Chennai



Yours sincerely.

Dr. S.SENTHILNATHAN DIRECTOR (FAC) UGC-Human Resource Development Centre BHARATHIDASAN UNIVERSITY Khajamalai Campus TIRUCHIRAPPALLI - 620 023, TN.





#### **International Conference on Biotechnology for Environment and Health (ICEBH)**

25 to 27 November 2021

18/11/2021

To Dr Shankar SRIHER, Chennai.

Subject: Invitation for a talk at ICBEH-2021

#### Dear Dr Shankar,

We are glad to write to you about the International Conference on BIOTECHNOLOGY FOR ENVIRONMENT AND HEALTH (ICBEH 2021), which will be held during November 25-27, 2021. It is envisaged that this conference would not only provide a unique platform to the participants from industries and academic institutions to share their thoughts and views to pave the way to develop possible linkages among them, but also serve the purpose of global networking among them and help in creating a nucleus of interface research. I am sure that this conference will be of interest to you.

In this regard, we take the privilege and pleasure of inviting you to deliver an invited talk on the title "Afforestation for Sustainable Development and Climate Actions" on 27th November 2021 at 04.00 PM (IST)

I hope that you would kindly accept this invitation and look forward to hear from you.

Sincerely,

Dr. K M Gothandam Convenor, ICBEH

School of Bio Sciences & Technology (SATT) Vellore Institute of Technology (VIT) (Deemonto be University under section 3 of UGC Act, 1956) Vellore - 632 014, Tamil Nadu, India

Conference Chairs

Prof. K R S Sambasiva Rao, General Secretary, Association of Biotechnology and Pharmacy Prof. V Pragasam, Dean, School of Bio Sciences and Technology, VIT, Vellore



Government of Puducherry

# KANCHI MAMUNIVAR GOVERNMENT INSTITUTE FOR POSTGRADUATE STUDIES AND RESEARCH (AUTONOMOUS)

(Center with Potential for Excellence - 56 th All India Ranking by NIRF)

Puducherryy

# Department of Zoology

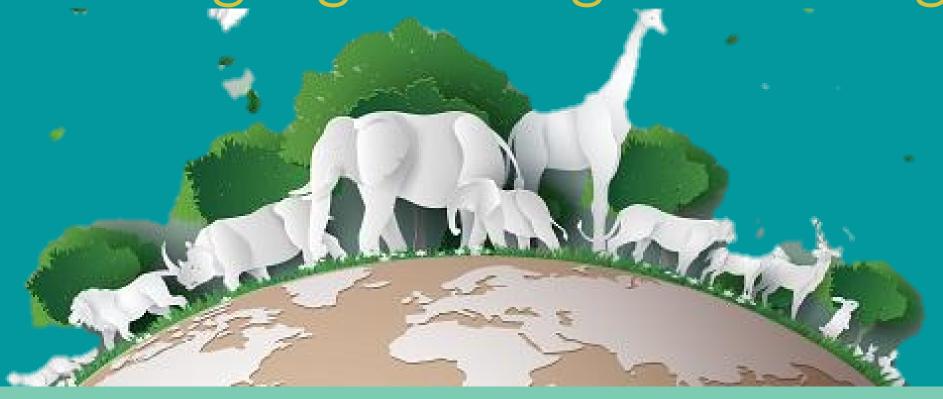
ORGANISES A NATIONAL WEBINAR ON

# CLIMATE CHANGE AND IMPLICATIONS ON BIODIVERSITY

Date: 18-06-2021 Friday

Time: 11.30 am - 12.30 pm

Link: meet.google.com/gbs-skuc-mgx



## RESOURCE PERSON

# Dr. Vidhya Venugopal

Professor & Certified Industrial Hygienist (BOHS)

WHO Collaborating Center for Occupational and Environmental Health ICMR Center for Advanced Research on Air Quality, Climate and Health Department of Environmental Health Engineering,

Sri Ramachandra Institute of Higher Education and Research (SRIHER)

Chennai.

# PATRON DR. M. SELVARAJ, DIRECTOR, KMGIPSR

Organising Secretary Dr. V. Ravitchandirane, Head, Department of Zoology.

Co- ordinators
Dr. K. Sankariyah, Asst. Professor.
Dr. V. Muthuviveganandavel, Asst. Professor.
Department of Zoology, KMGIPSR

Contact
sankarento@dhtepdy.edu.in
9488316684

Registration Free On or before 17-06-2021 5.00pm





6 30

## MEPCO SCHLENK ENGINEERING COLLEGE (Autonomous), SIVAKASI

DEPARTMENT OF CIVIL ENGINEERING

Cordially invites you to the inauguration of Three Days National Seminar

on

"Climate Change Vulnerabilities on Built Environment"

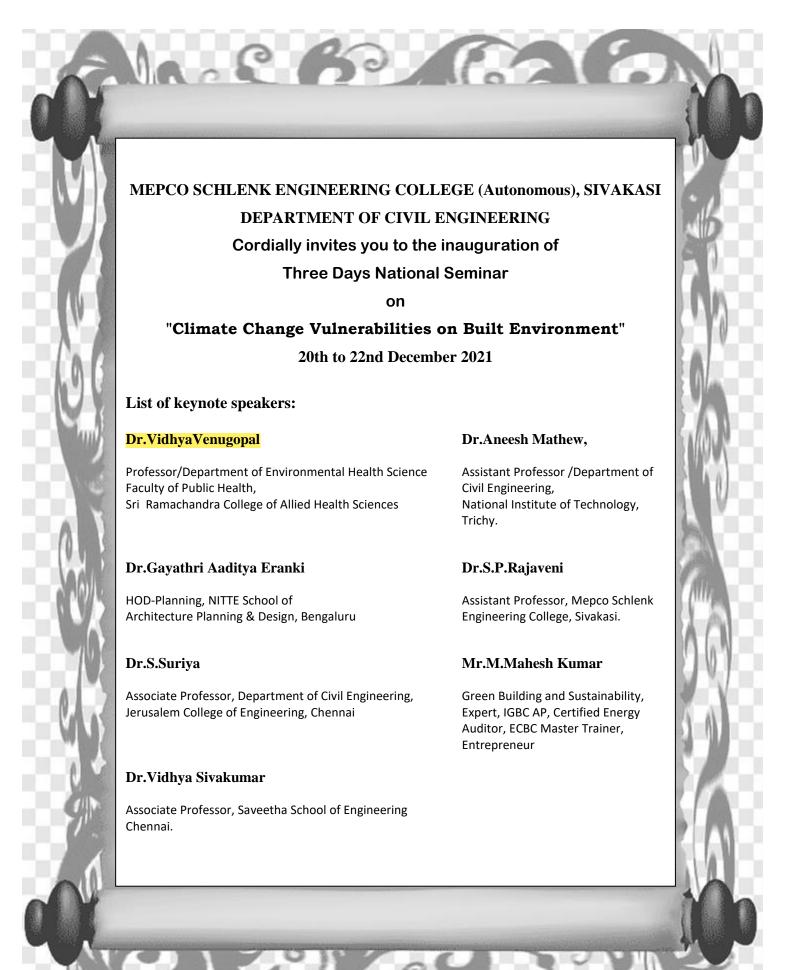
20th to 22nd December 2021

#### Dr.P.VINCENT

Sr.Professor & Head
Will welcome the gathering

Co-ordinators
Mr.I.Baskar, Asst.Prof. (Sr.G.) / Civil
Mr.J.Sivasubramanian, Asst.Prof. / Civil

Venue: Civil Seminar Hall Time: 09.15 AM



#### Department of Environmental Health Engineering Ability Enhancement – Compulsory Course

#### **Environmental Sciences**

C. No.	Course Code	Course Category	Course Title	Lecture	Tutorial (T)/ Clinical Training	Practical (P)/ Research Project (RP)	Total Credits
1	AAE 004	Ability Enhancement	Environmental Sciences	2	0	0	2

#### **Course description**

This course has been designed on the study of the natural world and how it is influenced by people. It will emphasize the need of increasing awareness of the consequences of environmental degradation and human population growth, together with the need to conserve biodiversity. This course is to train students in a multidisciplinary environmental concepts drawing from various basic and applied disciplines.

#### Learning objectives

This course will enable students -

- to anticipate, identify, assess, and manage green environment and its probable ways occupational settings.
- to integrate and apply knowledge from the appropriate areas of basic science, economics, and policy to
  address problems caused by ecosystem degradation and from physical alteration of the environment and
  chemical contaminants from industrial activities, agriculture, food production, and inadequate resource
  management
- to participate in outreach activities including environmental applications and problem solving in offcampus community settings.

#### **Learning Outcomes**

Upon completion of the program, students will be able to:

- Identify the implications of environmental policies and standards on compliance with regulatory, standard setting organizations and International policies.
- Apply management practices to environmental and occupational health issues.
- Understand and describe the processes and mechanisms by which hazards are produced, released, transported, and modified in the environment and affect health.

#### **Syllabus**

#### Unit 1: Multidisciplinary nature of environmental studies and Ecosystem

Scope of environmental science, Physical, Chemical and Biological factors in the environment, Concept of an ecosystem- Types, Structure and function, Structure and composition of atmosphere, Meteorology, Energy flow in the ecosystem, Food chains, food webs and Ecological pyramids, Current issues in India, Environmental education and awareness

#### Unit 2: Natural Resources, Biodiversity and its conservation:

Natural resources- Use and benefits, over utilization, degradation, Exploitations and Associated problems: Forest; Water, Mineral, Food, Land and Ocean resources, Energy resources and needs, Alternate energy sources, Conservation of natural resources, Biodiversity at global, National and local

levels- Biogeographical classification of India, Threats to biodiversity and Hot-spots, Endangered and endemic species of India, Conservation of biodiversity

#### **Unit 3: Environmental Pollution and Social issues**

Source, Cause, effects and control measures of- Air pollution, Water pollution, Soil pollution, Marine pollution, Noise pollution, Thermal pollution, Nuclear hazards, Occupational hazards, Hazardous and solid wastes- Municipal wastes, Biomedical wastes, Electronic wastes, Plastic wastes, Industrial chemicals, Chemical, Physical & Safety hazards in Fireworks Industries, Disaster management, Urban problems related to energy and Water conservation, Resettlement and Rehabilitation of people, Environment protection related Acts, Issues involved in enforcement of environmental legislation and Public awareness.

#### **Unit 4: Human Population and the Environment**

Population growth and explosion variation among nations, Family Welfare Programme, Environment and human health, Women and Child Welfare, Environmental ethics, Human Rights, Value Education, HIV/AIDS, Role of Information Technology in Environment and human health, Case Studies.

#### Unit 5: Field work

Visit to a local area to document environmental assets river/ forest/grassland/hill/mountain, Visit to a local polluted site-Urban/Rural/Industrial/Agricultural, Study of common plants, insects, birds.

Study of simple ecosystems-pond, river, hill slopes, recycling and reusing the biodegradable and dry waste etc.

#### **Text Books**

- 1. Agarwal, K.C. 2001 Environmental Biology, Nidi Publ. Ltd. Bikaner.
- 2. Bharucha Erach, The Biodiversity of India, Mapin Publishing Pvt. Ltd., Ahmedabad –380 013, India, Email:mapin@icenet.net (R)
- 3. Clark R.S., Marine Pollution, Clanderson Press Oxford (TB)
- 4. Cunningham, W.P. Cooper, T.H. Gorhani, E & Hepworth, M.T. 2001, Environmental Encyclopedia, Jaico Publ. House, Mumabai, 1196p
- 5. De A.K., Environmental Chemistry, Wiley Eastern Ltd.

#### **Reference Books**

- 1. Hawkins R.E., Encyclopedia of Indian Natural History, Bombay Natural History Society, Bombay (R)
- 2. Heywood, V.H & Waston, R.T. 1995. Global Biodiversity Assessment. Cambridge Univ. Press 1140p.
- 3. Jadhav, H & Bhosale, V.M. 1995. Environmental Protection and Laws. Himalaya Pub. House, Delhi 284 p.
- 4. Mckinney, M.L. & School, R.M. 1996. Environmental Science Systems & Solutions, Web enhanced edition. 639p.
- 5. Mhaskar A.K., Matter Hazardous, Techno-Science Publication (TB)
- 6. Miller T.G. Jr. Environmental Science, Wadsworth Publishing Co. (TB)
- 7. Sharma B.K., 2001. Environmental Chemistry. Geol Publ. House, Meerut
- 8. Townsend C., Harper J, and Michael Begon, Essentials of Ecology, Blackwell Science
- 9. Trivedi R.K., Handbook of Environmental Laws, Rules Guidelines, Compliances and Standards, Vol I and II, Enviro Media (R)
- 10. Trivedi R. K. and P.K. Goel, Introduction to air pollution, Techno-Science Publication (TB)
- 11. Wanger K.D., 1998 Environmental Management. W.B. Saunders Co. Philadelphia, USA 499p

#### Online resources

- <a href="http://snre.umich.edu/degrees/masters/environmental\_policy/overview?gclid=CPjQ\_IziicUCFQUR">http://snre.umich.edu/degrees/masters/environmental\_policy/overview?gclid=CPjQ\_IziicUCFQUR</a> igodVmEAKg
- 2. http://www.prospects.ac.uk/options environmental science.htm
- 3. http://study.com/academy/lesson/what-is-environmental-science-definition-and-scope-of-the-field.html

# Sri Ramachandra Institute of Higher Education and Research (DU) Faculty of Public Health Department of Environmental Health Engineering

#### **Environmental Sciences**

S.No	Program	Program In-charge	
1.	BBA	Dr.Vinayagamoorthy	2
2.	ВРТ	Dr.Vidhya Venugopal	2
3.	Clinical Nutrition	Mr.Rajkumar	2
4.	Trauma Care Management	Mr.Arul Selvan	2
5.	BASLP	Mr.Rajkumar	2
6.	Optometry	Mrs.Jayachelvi	2
7.	AHS/MRIT	Dr.Vinayagamoorthy/Mr.Arul Selvan	2
8.	Applied Psychology	Mrs.Jayachelvi	2
9.	Nursing	Mr.Arul Selvan	2
10.	Sports Medicine	Mr.Arul Selvan	2
11.	Microbiology	Dr. Vinayagamoorthy	2
12.	Bioinformatics	Mr.Rajkumar	2
13.	BOT	Mr.Rajkumar	2
14.	Clinical Research	Mr.Arul Selvan	2

8.8.....

Dr. S. SANKAR
Professor & Head
Department of Environmental Health Engineering
Faculty of Public Health
Sri Ramachandra Institute of Higher Education and Research
(Deemed to be University)
Porur, Chennai - 600 116.