



Dr. Harisingh Gour Vishwavidyalaya  
(A Central University)  
Sagar (M.P.)

# Gian

GLOBAL INITIATIVE OF ACADEMIC NETWORKS

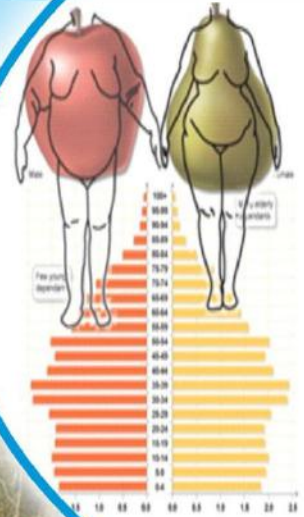
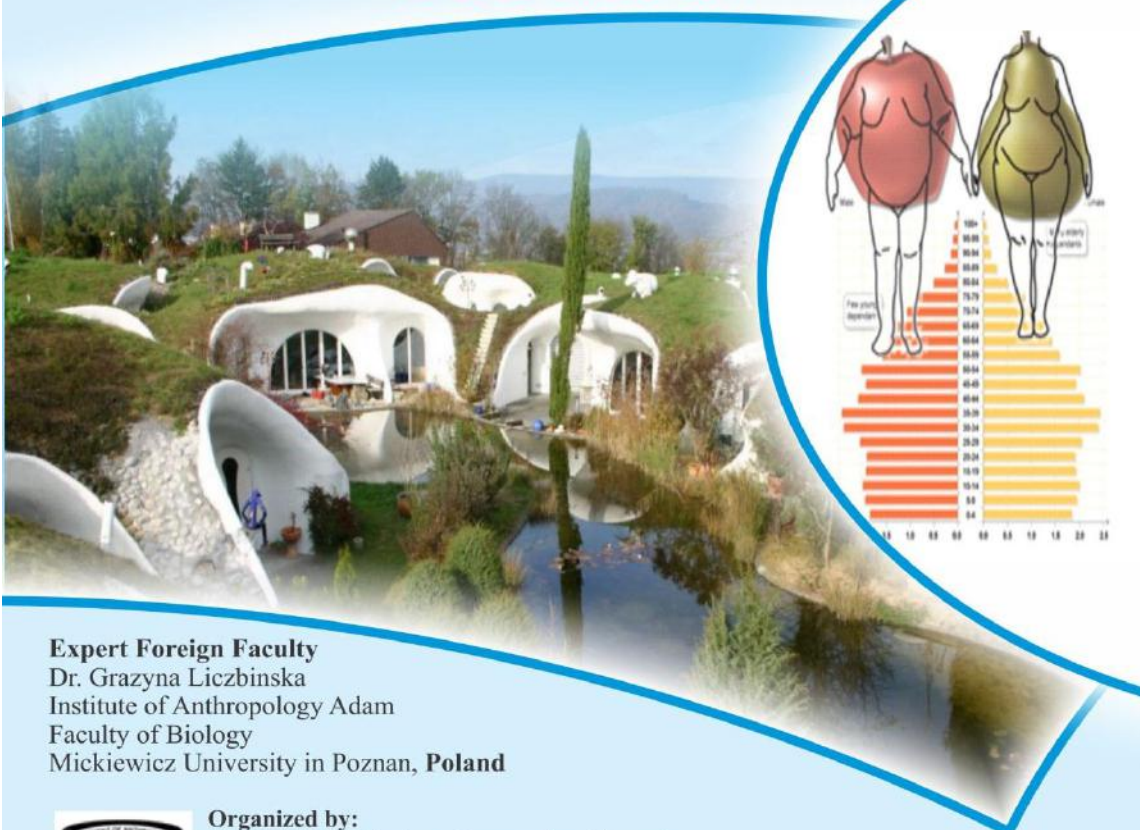


Ministry of Human Resource Development  
Government of India

**A Course Under  
Global Initiative of Academic Networks  
Ministry of Human Resource Development  
Government of India**

## **OBESITY & LONGEVITY: NEW PARADIGM OF POPULATION TRANSITION**

**13-18 November 2017**



### **Expert Foreign Faculty**

Dr. Grazyna Liczbinska  
Institute of Anthropology Adam  
Faculty of Biology  
Mickiewicz University in Poznan, Poland



### **Organized by:**

**Dr. Rajesh K. Gautam** (Course Coordinator)  
Department of Anthropology  
Dr. Harisingh Gour Vishwavidyalaya, Sagar- 470003, MP, India  
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GIAN Portal: <http://www.gian.iitkgp.ac.in>  
University Website: <http://www.dhsgsu.ac.in>





## SCOPE OF THE PROGRAMME

Global Initiative of Academic Networks (GIAN) is a program launched by Ministry of Human Resource Development (MHRD), Government of India with the objectives of tapping the talent pool of scientists and entrepreneurs, internationally to encourage their engagement with the institutes of Higher Education in India. To this end a six days course on “**Obesity & Longevity: New Paradigm of Population Transition**” has been approved by MHRD under the program which is being organized by the Department of Anthropology, School of Applied Sciences, Dr. Harisingh Gour Vishwavidyalaya (A Central University), Sagar, Madhya Pradesh, India.

## ABOUT THE COURSE

Obesity and life style disorders have emerged as new challenges, whereas, there is lack of understanding among wide academic fraternity related to such challenges, which is arising because of obesity and longevity. Hence, this course is designed to disseminate the knowledge on the 'new paradigm of population transition. Contemporary world providing opportunity to be healthier, wealthier, educated and extended life expectancy at the same time bringing challenges of overweight, obesity, life style disorders and multiple chronic disorders (MCC) and led to substantial changes in the key characteristics of human populations, known as population dynamics such as: fertility, mortality, obesity and longevity. Simultaneously, obesity among children and adults has increased dramatically over the time. Recently, many developing countries are also in the grip of 'pandemic of obesity'. Hence this course will be focused on these aspects.

## ABOUT THE FOREIGN FACULTY



**Dr. Grażyna Liczbińska (Dr. habil.)** is an Anthropologist, Human Biologist and Bio-demographer. She is an expert in demography of historical and contemporary populations. She graduated (M.S, Ph.D.) from Adam Mickiewicz University in Poznań (Poland). Currently, she is employed as Assistant Professor in the Department of Human Evolutionary Ecology, Faculty of Biology, Adam Mickiewicz University in Poznań. She did post-doctoral research at University of Greifswald and at the University of Siegen, Germany. Dr. Liczbińska focuses on the

biological dynamics of historical and contemporary population and the impact of economic and political transformations on biological characteristics (body height, body weight, BMI). Her research is of the interdisciplinary character and opens up the possibility of a new debate and a new perspective on the demographic studies. Dr. Liczbińska has been of the recipient of many grants. Beside that she has been an external European expert for the evaluation of proposals as well as contributing as a member of the editorial board of international journals.

## ABOUT HOST FACULTY



**Dr. Rajesh K. Gautam** is specialized in bi-demography, human nutrition, growth and development. Since July 2004, he is working as Assistant Professor in the Department of Anthropology, Dr. Harisingh Gour Vishwavidyalaya (A Central University), Sagar (MP) India. He was awarded Raman Post-Doctoral Fellowship for 2016-2017. He did his Post-doctoral research and training at Center for Quantitative Obesity Research, Montclair State University, NJ, USA. He has wide exposure of teaching and

research in India and USA. He has more than 100 publications, as well as he is reviewer of highly reputed journals like Lancet.



## WHO CAN PARTICIPATE

Regular students of UG, PG, research-scholars (Ph.D., Post-Doctoral), Faculty from colleges/institutes/universities as well as members from research and development industries can participate. Alumni of the Department and University can also participate. The course will address the issues of researchers in the areas of Health (Health Education), Nutrition, Biostatistics, Anthropology, Population Studies, Geography, and Psychology. Beside students, researchers and faculty members of academia; the course is also open to Officers/Executives/Researchers from population centres and census of India.

## COURSE SCHEDULE

### 13 November, 2017 (Monday)

- Lecture 1** : Pandemic of obesity and consequences of increasing human-biomass.
- Lecture 2** : The evolution of obesity.
- Tutorial 1** : Hands on training and Group discussion

### 14 November, 2017 (Tuesday)

- Lecture 3** : Interpretation of fertility processes and changes in fertility around the world over time.
- Lecture 4** : Trends in fertility and longevity in human populations.
- Tutorial 2** : Group Discussion and hands on training.

### 15 November, 2017 (Wednesday)

- Lecture 5** : The evolution of longevity: role of environmental and cultural factors.
- Lecture 6** : Introductory course in demography: mortality and fertility rates
- Tutorial 3** : Life tables construction using the computer softwares

### 16 November, 2017 (Thursday)

- Lecture 7** : Relationship between obesity and fertility.
- Lecture 8** : Obesity and natural selection.
- Tutorial 4** : Analysis and interpretation of measures of opportunity for the operation of natural selection

### 17 November, 2017 (Friday)

- Lecture 9** : Trends of mortality and its interpretation from evolutionary perspective
- Lecture 10** : Early childhood mortality
- Tutorial 5** : Discussion on Future Plans and possibilities for collaborations: The long-term effects of natural disasters (earthquakes, cyclones, droughts, floods) during intrauterine period on the prevalence of overweight and obesity in later life, and on effective fertility.

### 18 November, 2017 (Saturday)

- Evaluation and Valedictory** : Course evaluation by participants, Valedictory and certificate distribution.

## REGISTRATION

GIAN is a global program of Ministry of Human Resource Development, Government of India. The interested participants have to follow two stage processes for registration. In the first stage, they are required to register online at GIAN portal- <http://www.gianiitgkp.ac.in>. They have to follow instruction at "Course Registration Portal" and submit login details with brief academic achievements alongwith registration fee, which has to be paid online for one time registration at GIAN portal. Participants then need to select this course 'Obesity & Longevity: New Paradigm of Population Transition' from the list at "Course registration". The selected participants have to submit completed registration form along with "course registration fee" to the Course coordinator latest by November 10, 2017. The demand draft for the same should be drawn in favor of "The Registrar, Dr. Harisingh Gour Vishwavidyalaya, Sagar, M.P. Payable at Sagar.



#### REGISTRATION FEE:

Faculty/Scientist	:	1500/-
Students/Research Scholars (GC)	:	800/-
Students/Research Scholars (SC/ST)	:	400/-
Government officials/ Industry Member	:	3000/-
Foreign participants	:	US\$200/-

(Note: Registration fee includes instructional material only.)

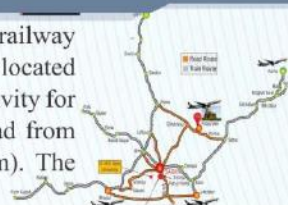
GC= General Category, SC=Scheduled Castes, ST= Scheduled Tribe)

#### ACCOMMODATION

Outstation participants will be provided with modest accommodation on the basis of payment. Please contact Course Coordinator for booking details.

#### HOW TO REACH

Sagar is a division head quarter, well connected by rail and roads. Sagar railway station is mentioned as Saugor (SGO) in railway time table. Sagar station is located in Bina-Katni section of west central Railway. There is direct train connectivity for Delhi, Mumbai and Kolkata. Sagar is also connected with excellent road from Bhopal (190Km), Jabalpur (185Km), Jhansi (200Km) and Bina (75Km). The nearest Airport is Bhopal (200Km).



#### VENUE OF THE PROGRAMME

Department of Anthropology, School of Applied Science; Dr. Harisingh Gour Vishwavidyalaya (A Central University), Sagar, Madhya Pradesh, India.

#### PATRON

**Prof. R.P. Tiwari**

*Vice Chancellor*

Dr. Harisingh Gour Vishwavidyalaya,  
(A Central University)  
Sagar, Madhya Pradesh, India

#### CO-PATRONS

**Prof. R.A. Singh**  
Director,  
Academic Affairs

**Prof. R.P. Mishra**  
Dean,  
School of Applied Sciences

**Prof. A.N. Sharma**  
Former Head (Anthropology)  
& Dean (SAS)

#### ACADEMIC ADVISORS

**Prof. K.K.N. Sharma**  
Head,  
Department of Anthropology

#### LOCAL COORDINATOR (GIAN)

**Prof. Devashish Bose**

#### COURSE COORDINATOR

**Dr. Rajesh K. Gautam**

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