



**INDIAN ASSOCIATION FOR  
SOCIAL SCIENCES AND  
HEALTH (IASSH)**

**CONFERENCE  
REPORT**

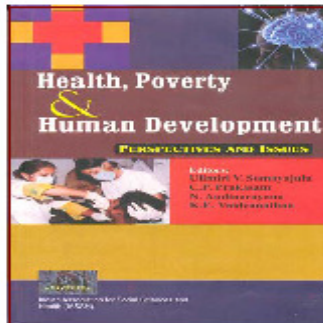


**Organized by:  
Department of Population  
Studies and Social Works,  
Sri Venkateswara University,  
Tirupati, Andhra Pradesh**  
**Date: 11-13 February 2011**

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**EIGHTH CONFERENCE OF IASSH  
ON  
"HEALTH, ENVIRONMENT AND  
SUSTAINABLE**



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**Eighth Conference of Indian Association for Social Sciences and Health (IASSH) on  
Health, Environment and Sustainable Development,  
Feb 11-13, 2011, Sri Venkateswara University, Tirupati**

**Report**

The conference was organized by the IASSH in collaboration with Department of Population Studies and Social Work, Sri Venkateswara University, Tirupati.

IASSH acknowledges with thanks the generous funding provided by Bhabha Atomic Research Center, Mumbai, UNICEF, New Delhi, UNFPA, New Delhi, IPUMS, University of Minnesota, USA, Indian Council of Medical Research, New Delhi, BRNS, and Sri Venkateswara University, Tirupati (from its UGC Unassigned grants).



**Inaugural Function**

Prof. N. Prabhakara Rao, Vice-Chancellor of Sri Venkateswara University, Tirupati has inaugurated the conference on 11 February, 2011. He also released a volume of research papers presented at the 7<sup>th</sup> Conference of IASSH at Benaras Hindu University, Varanasi, "Health, Poverty and Human Development: Perspectives and Issues" edited by Dr Ulimiri V Somayajulu, Dr CP Prakasam, Dr KE Vaidyanathan and Dr N Audinarayana.



Delegates from abroad and India participated and presented papers in the conference that had 4 Symposiums with 10 presentations, 22 technical sessions with more than 100 paper presentations and 3 poster sessions with about 60 poster presentations. The conference was attended by more than 250 delegates from length and breadth of India and abroad

## **Issues and Recommendations:**

### **Symposium 1 Health Transition and Sustainable Development:**

Four papers were presented in this session. The paper on Environmental factors and Health in India: Evidences and Policy implications based on NFHS-2005-06 data reveals that Mortality and Morbidity are associated with economic status of the households. Economic status of the households has strong correlation with the availability of improved water, sanitation and cooking fuel. Environmental factors account for one fifth of the total burden of disease in India and over four fifth of the disease burden is due to lack protected water, and sanitation and indoor pollution.

A study on climate related disasters, health and income inequality, in rural Odisha, shown that health inequality is less than income inequality, and loss of assets was related to health expenditure.

IPUMS (Integrated Public Use Microdata Series) international made 35 million integrated personal records from 55 countries for comparative research sample for demographic and health research.

In another paper, Health transition has been traced from Bhore committee onwards. It was found that execution of several health programmes are partially fulfilled owing to fallacies in the implementation. The immediate attention needed is handling non-communicable diseases- heart diseases, diabetes focusing on health financing as universal health coverage. Need for more focus on public health on preventive care was reiterated.

### **Symposium 2: Environment Determinants of Health**

Social factor is the most important component of any individual health. Right break through at a right time in a job market and the job satisfaction is another component of emigrants from Asian countries to western countries especially New Zealand.

Household environment including place of residence, family characteristics and life style of the members would influence the Health status of the members. Hence, there is a need to have at least basic infrastructure and facilities prescribed by the World Health organization at the household level. Family income and economic status of family play a very important role in determining the good health.

The Environmental determinants of health in developed world include: air pollution, Nitrogen dioxide, ground level ozone, environmental tobacco smoke,, radiation, lead, video display terminals, exposure to cellular phone, persistent organic pollutants. In the developing world, a number of infectious diseases affect the human beings.

### **Symposium 3: Linkages between Health, Environment and Sustainable Development:**

Household environmental factors have more influence on mother and child health. The study based on NFHS data in the states of Madhya Pradesh and Tamil Nadu identified eight background variables for explaining this linkage using Correlation index constructed on the basis of environmental index, sanitation index, and housing index. In Madhya Pradesh, there is a negative relationship between child survival and environmental index and sanitation index. Logistic regression analysis reveals that there is a significant relationship between child survival and environmental variables in Madhya Pradesh and Tamil Nadu.

Achieving environmental sustainability through sanitation and health may be emphasized. It is opined that use of hand washing and proper sanitation are the prerequisites for good health. One of the reasons girls dropout of school is the lack of school sanitation. Mother's education is the proximate determinant of Infant mortality.

Eleventh five year plan focused on environment and sustainable development. Food security threats and child malnutrition are the major problems in India.

### **Symposium 4: Policies to mitigate and promote sustainable development**

The history of climate change in Europe has been highlighted. Climate change may affect the nutritive value of food grains which in turn affects health status of population. The anomalies in temperature and rainfall were found to have direct consequence and occurrence of Malaria, Cholera and communicable diseases which result in high mortality rates in Orissa, Andhra Pradesh and other states. There seem to be a linkage between water scarcity and health.



The role of intellectual property rights and sustainable development was discussed. More than one third of population has no access to health care. It is decried that affordable medicines and spending on health care is decreasing. Trade related intellectual property rights on health care and product patent regime was also discussed. The patent right issue is not properly addressed during the last twenty (20) years in India due to the fact that many companies are exploiting the developing countries. It is a kind of monopoly engaging in trade than in the development. It is suggested to increase Research and Development fund allocation to the pharmacy sector. There is a need to increase the patent right to many indigenous owned medicines and practices. The morbidity transition regime in India must be addressed properly with proper policy formulation. Further, there is an urgent need to

implement disease prevention tools with implementation of dual drug policies. It is concluded that strong Intellectual property rights is a serious concern and major obstacle for health care access and utilization. Rather flexible intellectual property rights regime will encourage new thinking on innovation of health care products.

### **Technical session:I: Health Transition and Human Development**

Papers on Health and sustainable development of the elderly have brought out lack of health awareness and absence of health services for the elderly. Counseling on diet, about vices, injury prevention, recreational activities, preventive and therapeutic measures, stress reduction and regular exercise and spirituality have been considered as interventions for old age population. After intervention, the old people developed better awareness about health.

Emerging principles governing sustainable development have focused on global level principles-Intergenerational equity, the precautionary principle and polluter pays principle. These principles are interdependent as Development should promote health which is sustainable.

Health transition and Enhancement of health among children with mental retardation has considered children with down' syndrome. Speech, physical, occupational and yoga may help mentally retarded children. Further, some health problems need treatment which will enhance life span of individuals.



### **Technical Session: II: Environment, Nutrition and Health**

Zinc deficiency is one of the causes of anemia due to crops grown in Zinc deficient in soils. Zinc may be fortified in fertilizers. Ammonia toxicity in animals may be neutralized by neutracils. A study on albino rats has shown the effect of neutracils in neutralizing toxic effects of ammonia.

### **Technical session: III: Climate Change and its impact on Population and Health**

Climate change through green house gases has been the topic of discussion among developed and developing nations. IPCC has advised developing countries to reduce carbon dioxide

emissions. However, some scientists argue that plants require Carbon dioxide to manufacture carbohydrates. Increased levels of carbon dioxide have increased the yield of crops as well as nutritive values of crops over the millennia.

Some scientists are trying to mitigate the effects of ozone depletion. Models to protect people from UV radiation have been developed.

Educational campaign about climate change and consequences has to be planned. Climate change is both natural and manmade. Fresh water bodies turn into salt water due to natural changes in climate.

Social research strategies have to be improved. It is proposed to develop eco-friendly lap tops, cell phones, toys and paints.

Vector borne diseases occur due to changes in environment. Environmentally safe insecticides and pesticides may be developed. Social mobilization for vector control is the need of the hour.

#### **Technical session: IV: Poverty and Pollution Interrelationships**

Pollution due to several sources has been increasing. There are certain measures to mitigate pollution effects. Growing ornamental plants to great extent reduces pollution effects. Bamboo palm, Chinese ever green, English ivy, Gerbera and Margianata can absorb toxic chemicals like formaldehyde, benzene, carbon monoxide, carbon dioxide, dust from the air whereas plants like Calendula officinalis, Althea rosea, Impatiens balsamina remove heavy metals from soil. Confers, Philadelphus, Alstonia, Azadirachta, Butea, Erythrina and Eucalyptus are capable of reducing sound pollution while some aquatic plants such as Hydrilla verticillata, Eccchorneia crassipes and Vetivera grass can reduce water pollution problems.

#### **Technical Session:V: Water and Sanitation and Its Impact on Health**

A study in Ganga River at Bhagalpur over a period of 2 years revealed the presence of pesticides such as Methyl Parathion, endo-sulfan, and DDT in sediment and river water. The concentration of DDT in sediment was quite high due to slow degradation of DDT in soil over a period of 4-30 years.

Drinking water in the Municipal Corporation of Aurangabad, Maharashtra has been polluted at some reservoirs in the city. The sanitation around the reservoirs was pathetic and the residents have no go for drinking water.



Based on District level survey it is found in Karnataka that 37 per cent of the households have no access to safe drinking water. A good proportion of children (70 per cent) living in these households had diarrhea.

A study in hostels revealed that boys were suffering from skin diseases while girls had pediculosis. Most of the male students were in the habit of taking bath in open areas and defecating in open areas.

A study in rural Gujarat revealed that majority of them depend unprotected water and one fifth of households have toilet facility.

### **Technical Session: VI: Urban Ecology and Environment:**

The use of alcohol among slum dwellers is a great concern as 98 per cent of them consume alcohol particularly Indian made liquor. Education and awareness campaigns may go long way in reducing alcohol consumption.

### **Awards**

With a view to encourage Young scholars, youth best paper presentations session was organised in this conference as well.

#### Youth Best Paper Award:

Ms.ASHWINI A.DANDAPPANAVAR: Health-Seeking Behaviour and Delivery Care among the Women of Jannath Nagar: An urban Slum of Dharwad Town, Karnataka.

#### Best Poster award:

#### **Poster Session-I**

1. Ms.T.Subba Lakshmi: Determinants of Public Health Expenditure: Empirical Evidence from Andhra Pradesh
2. Ms.K.Rajkokila and M.V.Usha Rani: Buccal Cytome assay and Mobile Phone Users,

#### Poster Session-II:

1. Ms.Aishvarya Upadhyay: Mental Health and Academic Underachievement in Children with Seizure Disorder
2. Dr.M.Hemanta Meitei, Renu Sahrawat and Pushpanjali Swain: Status of Post Partum Services in Uttar Pradesh

The conference came to and ends with the valedictory session on Feb 13, 2011. The valedictory address was given by Dr Rattayya, Rector, S.V University. The IASSH thanked the SV University, all the funding agencies, participants, chair persons, rapporteurs, and paper and poster presenters.



## **Pre Conference Workshop**

On

**“Approaches to Social Science Research”**

**Program: (8<sup>th</sup> to 10<sup>th</sup> 2011)**

### **Pre-conference workshop:**

IASSH organized the first ever pre-conference workshop on research methodology for the benefit of young and upcoming scholars. Twenty one research scholars and Post-graduate students of social and health sciences participated in the workshop. Prof. C.P. Prakasam, Vice-President, Prof. N. Audinarayana, Treasurer, Dr. UV Somayajulu, Secretary and Prof. M.S.R. Murthy, E.C. Member of IASSH were the resource persons of the research methodology workshop. The scholars were able to make their research topics refined with the help of the resource persons (Workshop Contents- Appendix-I)

### **Day 1 – 08-02-2011**

Forenoon – Steps in the Research Process: **Prof.N.Audinarayana**  
Approaches: Qualitative Research Quantitative Research:  
Brief description of Methods in Qualitative Research:  
**Dr.U.V.Somayajulu** and Quantitative Research Designs:  
**Prof.C.P.Prakasam**  
Selection and Defining of Research Problem: Approach-I &II  
Formulation of Hypotheses: **Prof.N.Audinarayana**

Afternoon – Construction of Interview Schedule:  
Construction of Questionnaire  
Selection of Suitable Topics  
Preparation of Interview Schedule  
Preparation of Questionnaire **Prof.M.S.R.Murthy & Prof.N.Audinarayana**

### **Day 2 – 09-02-2011**

Forenoon –  
Sampling methods and collection of Data with Questionnaire: **Dr.U.V.Somayajulu**  
Collection of Data with Interview Schedule: **Prof.N.Audinarayana**

Afternoon – Discussion of Data Collected:  
Steps on Editing and Coding of Data: **Prof.N.Audinarayana**

### **Day 3 – 10-02-2011**

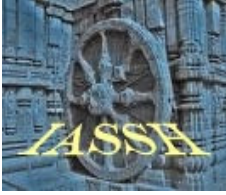
Forenoon – Data Entry / Use of Computers in Data Analysis: **Prof.C.P.Prakasam**  
Relationship between Objectives and Hypothesis: **Prof.N.Audinarayana**

Afternoon – Tabulations and Tests of Significance: **Dr.U.V.Somayajulu**  
Steps in Report Writing: **Prof.N.Audinarayana**

**Maximum No. of M. Phil. / Ph. D. Scholars = 40 only.**

### **Resource Persons:**

**Prof. N.Audinarayana, Prof.C.P.Prakasam, Dr.U.V.Somayajulu and  
Prof.M.S.R.Murthy**



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**Department of Population Studies and Social Work  
Sri Venkateswara University, Tirupati- 517502  
Andhra Pradesh**

**11-13, FEBRUARY, 2011**

**THEME:**



**HEALTH, ENVIRONMENT AND SUSTAINABLE DEVELOPMENT**

**Themes of Symposia:**

- S1.** Health Transition and Sustainable Development
- S2.** Environmental Determinants of Health
- S3.** Linkages between Health, Environment and Sustainable Development
- S4.** Policies and Programmes to Mitigate and to promote Sustainable Development

**Topics of Technical Sessions**

- T1.** Health Transition and Human Development
- T2.** Environment, Nutrition and Health
- T3.** Climate Change and its impact on Population and Health
- T4.** Poverty and Pollution Interrelationships
- T5.** Water and Sanitation and its impact on Health
- T6.** Biodiversity and its impact on Health and Longevity
- T7.** Urban Ecology and Environment
- T8.** Occupational and Environmental Health
- T9.** Natural Disasters and their impact on health
- T10.** Interdisciplinary Research Challenges in EHD
- T11.** Vulnerability and Equity in Environment and Health

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**Special Sessions Women, Health and Sustainable Development, MGNIRSA**

**Special Session: Millet-Nutrition food organised by Deccan Development Society**

**Youth Research Papers Presentations**

**Poster Presentations**

**Topics of be Covered in the Pre-conference Workshop**

Steps in the Research Process, Selection and Defining of Research Problem, Formulation of Hypotheses, Construction of Interview Schedule and Questionnaire, Selection of Suitable Topics for the Preparation of Interview Schedule and Questionnaire, Collection of Data with Interview Schedule and with Questionnaire, Discussion of Data Collected, Steps on Editing and Coding of Data, Data Entry / Use of Computers in Data Analysis, Relationship between Objectives and Hypothesis, Tabulations and Tests of Significance and Steps in Report Writing .



**EIGHTH CONFERENCE PROGRAM  
INDIAN ASSOCIATION FOR SOCIAL SCIENCES AND  
HEALTH (IASSH)**

**Organized by**

**Department of Population Studies and Social Work  
Sri Venkateswara University, Tirupati- 517502**

**Andhra Pradesh**

[iassh2004@gmail.com](mailto:iassh2004@gmail.com)



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**Theme: HEALTH, ENVIRONMENT AND SUSTAINABLE DEVELOPMENT  
11 to 13 February 2011**

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**Programme**

**Date: 11<sup>th</sup> February 2011**

8.30 A.M. to 9.30 A.M.      **Registration**

9.30 A.M. to 10.30 A.M.      **Opening Session: Inauguration**

10.30 A.M. to 10.45 A.M.      High Tea

**10.45 A.M to 12 Noon: Symposia-I: Health Transition and Sustainable Development**

1. Dr.K.E.Vaidyanathan: Environmental Factors and Health in India: Evidences and Policy Implications [vaidyake@hotmail.com](mailto:vaidyake@hotmail.com)
2. K. Narayanan & Santosh K. Sahu: Climate Related Disasters, Health and Income Inequality: reflections from select villages of Kendrapada District, Odisha [knn@iitb.ac.in](mailto:knn@iitb.ac.in)
3. Robert McCaa: Using integrated unit record microdata from IPUMS-International for demographic and health research, [robertmccaa@yahoo.com](mailto:robertmccaa@yahoo.com)
4. Dr. U. V. Somayajulu: Health Transition and Development in India [ulimiri.vs@gmail.com](mailto:ulimiri.vs@gmail.com)

**12.00 Noon to 1.15 P.M. Symposia-II: Environmental Determinants of Health**

1. Dr. Amritha Sobrun-Maharaj Environmental Determinants of Health [a.sobrun-maharaj@auckland.ac.nz](mailto:a.sobrun-maharaj@auckland.ac.nz)
2. Dr. N. Audinarayana: Household Environment and Health of Family Members: A Critical Review of Existing Literature [audinarayana.bu@gmail.com](mailto:audinarayana.bu@gmail.com)
3. Dr.T.B.Singh: Environmental Determinants of Health in India [tbsinghbiostat@gmail.com](mailto:tbsinghbiostat@gmail.com)

1.15 P.M. to 2.15 P.M.      LUNCH

2.15 PM to 3.30 PM

Technical Session-T1: Health Transition and Human Development

Technical Session-T2 (A): Environment, Nutrition and Health

Technical Session-T3 (A): Climate Change and its impact on Population and Health

3.30 P.M to 4.45 P.M.

Technical Session-T2 (B): Environment, Nutrition and Health  
Technical Session-T3 (B): Climate Change and its impact on Population and Health  
Technical Session-T4 (A): Poverty and Pollution Interrelationships

4.45 PM to 5.00 PM            Tea

5.00 P.M. to 6.15 P.M.

Technical Session-T2 (C): Environment, Nutrition and Health  
Technical Session- T3 (C): Climate Change and its impact on Population and Health  
Technical Session-T4 (B): Poverty and Pollution Interrelationships

6.15 P.M.        **General Body Meeting**

**Dinner, hosted by Vice-chancellor of Sri Venkateswar University, Tirupati**

**Date: 12<sup>th</sup> February 2011**

**9.30 A.M. to 10.45 A.M Symposia-III: Linkages between Health, Environment and Sustainable Development**

1. Dr.K.Suryanarayana: Role of Health in Sustainable development: Program implications, [surya@igidr.ac.in](mailto:surya@igidr.ac.in)
2. Dr.R.B.Bhagat, The Relationship between Environment and Health: A Geographical Perspective, [rbbhagat@iips.net](mailto:rbbhagat@iips.net)
3. Dr.Vighnesh Bhat: Integrating Health Promotion and Environmental Concerns for Sustainable National Development [vighnubhat@rediffmail.com](mailto:vighnubhat@rediffmail.com)
4. Dr.C.P.Prakasam: Linkages between Environmental factors on Child Survival : Evidences from Areal Data Analysis [prakasam60@gmail.com](mailto:prakasam60@gmail.com)

10.45 A.M to 11.00 A.M        TEA

**Poster session 1: Posters will be displayed from 10.45 AM to 1 PM**

11.00AM to 12.15 PM

Technical Session- T5-A: Water and Sanitation and its impact on Health  
Technical Session- T6-: Biodiversity and its impact on Health and Longevity  
Technical Session- T7-A: Urban Ecology and Environment

12.15 P.M. to 1.30 P.M

Technical Session: T5-B: Water and Sanitation and its impact on Health  
Technical Session: T7-B: Urban Ecology and Environment  
Technical Session- **T8-A: Occupational and Environmental Health**

1.30 P.M. to 2.30 P.M.            LUNCH

**Poster session 2: Posters will be displayed from 2.30 PM to 6 PM**

2.30 P.M to 3.45 P.M.

Technical Session- T8-B: Occupational and Environmental Health

Technical Session- T9-: Natural Disasters and their impact on health

Technical Session- T10-A: Interdisciplinary Research Challenges in EHD

3.45 P.M. to 5.00 P.M.

Technical Session: T10-B: Interdisciplinary Research Challenges in EHD

Technical Session: T10-C: Interdisciplinary Research Challenges in EHD

Technical Session: T11-: Vulnerability and Equity in Environment and Measurement of Health

5.00 P.M. to 5.15 P.M.                      TEA

5.15 To 6.15 PM:

Technical Session: T10-D: Interdisciplinary Research Challenges in EHD

Special Session (A): Youth Researchers Presentation

Special Session (B): Youth Researchers Presentation

6.15 P.M. - 8.00 P.M. **Cultural Program**, followed by **DINNER**

**Date: 13th February 2011**

**Poster Session 3: Posters will be displayed from 9.00 A.M. to 11.30 A.M**

**9.00 A.M. to 10.15 A.M Symposia-IV: Policies and Programmes to Mitigate and to promote Sustainable Development**

1. Prof.Rais Akhtar: Climate Change And Human Health: Global And Indian Perspective. [raisakhtar@hotmail.com](mailto:raisakhtar@hotmail.com)
2. Dr.K.Satyanarayana and Sadhana Srivastava: Intellectual property rights and sustainable development: Some policies and concerns for developing countries with focus on health care ,[kanikaram\\_s@yahoo.com](mailto:kanikaram_s@yahoo.com)
3. Dr.S.Peppin Sustainable Development and Millennium Development Goals: Challenges and Policy Options,[peppin@ximb.ac.in](mailto:peppin@ximb.ac.in)

10.15 A.M to 10.30 A.M      TEA

10.30 A.M to 11.15 A.M.      **Women, Health and Sustainable Development,**

**Sponsored by:** Sarojini Naidu centre for Women Studies, The Mahatma Gandhi National Institute of Research and Social Action, (MGNIRSA), Hyderabad

11.15 A.M. to 12.15 P.M.:      **Sponser program-** MILLET AND ITS NUTRITIONAL QUALITIES, **Deccan Development Society**, Key Note Address by Shri. P. V. Satheesh, Shri.Vtturi Srinivas followed by Film and posters.

12.15 P.M. to 1.00 P.M.      **Valedictory**

**LIST OF ORAL PAPERS PRESENTED:**

**TECHNICAL SESSION WISE LIST OF ORAL PRESENTATION: EIGHTH CONFERENCE OF IASSH: February 11-13,2011**

**T1: Health Transition and Human Development: Date 11/2/2011 Time: 2.15 P.M. to 3.30 P.M.**

27. P. Murugesan: Health, Environment and Sustainable Development in India: Present Situation, [aasai\\_muru@yahoo.com](mailto:aasai_muru@yahoo.com)
30. V. Jagadeesh: Health Transition and Human Development: A Case Study Of Lamani Tribe in Bellary District, Karnataka, [drvjagadeesh@gmail.com](mailto:drvjagadeesh@gmail.com)
52. Rajaratnam Abel: Emerging principles governing sustainable development, [abel\\_rajaratnam@hotmail.com](mailto:abel_rajaratnam@hotmail.com)
96. Pradeep Kumar & Parna Chakraborty: Right to Health, Environment and Sustainable Development, [pradeep9450245771@gmail.com](mailto:pradeep9450245771@gmail.com), [prernach7@gmail.com](mailto:prernach7@gmail.com)
149. R.R. Jyothi, K. Murugaiah & R. Prasantha Kumar: Sustainable Development In India: Perspectives & Approaches
142. R.Madhumathi & K.Anuradha: Health Transition and Enhancement of Health among Children with Mental Retardation, [redim.madhumathi@gmail.com](mailto:redim.madhumathi@gmail.com), [tirupati.komanduriradha@gmail.com](mailto:tirupati.komanduriradha@gmail.com)
108. K.Suneetha & A.Kusuma: Health: Sustainable Development of the Elderly, [suneethak2007@rediffmail.com](mailto:suneethak2007@rediffmail.com)
314. P.Mohanachandran Nair& Anjana.A: Population, Health, Environment and Development, [pmohanachandran@yahoo.com](mailto:pmohanachandran@yahoo.com)

**T2-A: Environment, Nutrition and Health: Date 11/2/2011 Time: 2.15 P.M. to 3.30 P.M.**

5. Nilanjana Chakrabarty & Dibyojyoti Bhattacharjee: Basic Household Facilities and its Impact on Public Health - A district level Analysis of Assam, [debnilanjana12@gmail.com](mailto:debnilanjana12@gmail.com), [dibyojyoti.bhattacharjee@gmail.com](mailto:dibyojyoti.bhattacharjee@gmail.com)
8. Alluri V.N.Varma, J.Chandra Prasad, Y.Rama Krishna: Food and Nutrition Security Status in India [avnvarma@gmail.com](mailto:avnvarma@gmail.com)
23. Nidhi Agarwal & Sheel Sharma: Garden cress: An untapped environmentally sustainable **foodstuff** and health enhancer, [agarwalnidhi86@gmail.com](mailto:agarwalnidhi86@gmail.com)
26. Gunnar Jacks: Zinc deficiency in soils, crops and human intake – an example from Mali in West Africa, [gunnjack@kth.se](mailto:gunnjack@kth.se)
60. N. Murugesan: Environmental Determinants of Human Health and Health Care Practices: A Regional Perspective, [murugesan.n@ifpindia.org](mailto:murugesan.n@ifpindia.org)
83. Manju S Nair: Traditional Environmental Health Hazards and Scope for Policy Intervention: A Case Study of Island Community in Kerala , [meetmanjunaidu@yahoo.com](mailto:meetmanjunaidu@yahoo.com)
86. Debarati Sarkar: Human Development, Poverty, Health & Nutrition in India: A Situational Analysis, [ds4sleek@gmail.com](mailto:ds4sleek@gmail.com)

**T2-B: Environment, Nutrition and Health: Date 11/2/2011 Time: 3.30 P.M. to 4.45 P.M.**

122. Pragati: Environment, Nutrition and Health of Women among Teen-Vanniyars of Puducherry, [pragathirajkumar@yahoo.co.in](mailto:pragathirajkumar@yahoo.co.in)
145. Jalaja Kumari.D & B.Babatha: Health And Nutritional Status of Preschool Children, [jalaja9krishna@yahoo.com](mailto:jalaja9krishna@yahoo.com)
166. A. K. Bordoloi & Y.Fakey: Health Problems And Nutritional Status Among Tea Garden Population Of Assam- With Special Reference To The Tea Gardens Of Tinsukia District In Assam, [anjan09kb@rediffmail.com](mailto:anjan09kb@rediffmail.com), [yfakey@rediffmail.com](mailto:yfakey@rediffmail.com)

256. Niranjana Rout: Health Inequality in Urban Area: A Comparative Study of Nutritional Status between the Children living in Slum and Non Slum area of Eight Cities in India,

[inuniranjan@gmail.com](mailto:inuniranjan@gmail.com)

304. Neelu Singh & N. Audinarayana: Effect of Housing Environment on Morbid Conditions of the Elderly in an Urban Setting of Tamil Nadu, [neelusingh2000@yahoo.com](mailto:neelusingh2000@yahoo.com),

[audinarayana.bu@gmail.com](mailto:audinarayana.bu@gmail.com)

308. Rekha S Bavadekar & Ragini A Dumawat: The effects of Environment and Nutrition on Health,

[raginidumawat@gmail.com](mailto:raginidumawat@gmail.com)

**T2-C: Environment, Nutrition & Health: Date 11/2/2011 Time 5.00 P.M. to 6.15 P.M.**

1. Kalapatapu Ravikiran Sharma, Mrs. Kalpana Toran: An exploratory analysis of school health environment in elementary schools of Hyderabad [kalapatapu@iitbombay.org](mailto:kalapatapu@iitbombay.org)

334. M. Ramakrishna Reddy: Impact of iron supplementation on the learning process: a preliminary observation at a high school in a rural area [mrreddy@dataone.in](mailto:mrreddy@dataone.in)

18. Yavnika Tanwar: Social Determinants of Anaemia in Urban Adolescent Girls and Women in India, [yavnika@cehat.org](mailto:yavnika@cehat.org)

260. Komal Chauhan, Sheel Sharma & Bhushan Chauhan: Role of Nutrition in Environmental Chemical Toxicity and Chronic diseases, [shivam\\_kim@yahoo.com](mailto:shivam_kim@yahoo.com)

325. B. Suguna Reddy & T. Purushotham Naidu: Women and Environment Protection, [ravindrakumar.vk@gmail.com](mailto:ravindrakumar.vk@gmail.com)

**T3-A: Climate Change and its impact on Population and Health: Date 11/2/2011 Time: 2.15 P.M. to 3.30 P.M.**

6. Sandhya k. Ramakrishnan: Adaptation cost for climate change related cases of diarrhoea and malaria in 2030 for India, [sandhyakr@tiss.edu](mailto:sandhyakr@tiss.edu)

24. Sheikh Md. Monzurul Huq: Climate change and its impact on population and health in Bangladesh, [monzurulh@gmail.com](mailto:monzurulh@gmail.com)

32. Nayakar Honnurswamy: Climate change and impact on population and health, [honnuswamy@rediffmail.com](mailto:honnuswamy@rediffmail.com)

33. Soorya Vennila: Gender And Climate Change: A Participatory Analysis of the Potential Impact in Tamil Nadu, [soorya\\_vennila@yahoo.co.in](mailto:soorya_vennila@yahoo.co.in)

51. K.P. Vipin Chandran: Climate change and its impacts on human health: Need for Adaptation and Mitigation Strategies, [kpvipinchandran@gmail.com](mailto:kpvipinchandran@gmail.com)

56. Talwar Sabann & B.P.Bulla : Climate Change, Health And Adaptation: Man At Cross-Roads, [sabannatalwars@rediffmail.com](mailto:sabannatalwars@rediffmail.com)

61. Mumtaz Fatima: Climate Change and Its Impact on Women's Health in Slum Area, [mumtaz\\_krmr@yahoo.co.in](mailto:mumtaz_krmr@yahoo.co.in)

**T3-B: Climate Change and its impact on Population and Health: Date 11/2/2011 Time: 3.30 P.M. to 4.45 P.M.**

64. Sadhana G. Mathad: The impact of Climate Change on Human Health, [mathadsadhana36@yahoo.in](mailto:mathadsadhana36@yahoo.in)

93. P Khuraisha Beevi & R. Jayasree: Resurgent Vector-Borne Diseases A Health Problem Of Kerala, [kuruhameed@rediffmail.com](mailto:kuruhameed@rediffmail.com)

102. A. Myilsamy: Climate Change And Oral Health: Current Challenges And Future Scope, [camseco@gmail.com](mailto:camseco@gmail.com)

125. V. Sowbhagya Rani, K. Uma Devi & G. Indira Priyadarsini: Climatic Changes Are Manifestly Pandemic - Needs Commitment towards Mitigation, [rvidudala@gmail.com](mailto:rvidudala@gmail.com)

126. S. R. Vincent Vijayaraj: Climate Change and Its' Impact On Population And Health, [vincentvijayaraj@yahoo.co.in](mailto:vincentvijayaraj@yahoo.co.in)

129. Somappa N. Megeri & Puneeth.V Prabhakar.C: Impact of Climate Change on Indian Agricultural Crops, [megerisn@rediffmail.com](mailto:megerisn@rediffmail.com)

132. M Muniyandi: The impact of climate change on human population health,  
[mmuniyandi@yahoo.com](mailto:mmuniyandi@yahoo.com)

**T3-C: Climate Change and its impact on Population and Health: Date 11/2/2011 Time 5.00 P.M. to 6.15 P.M.**

148. Ashraf Imam & Mohd Taqi: Impacts of Climate Change and Environment on Sustainable Development in India, [imamashraf1@rediffmail.com](mailto:imamashraf1@rediffmail.com)

156. Debasis Poddar & Sneha Goud: Ozone Depletion Syndrome on Human Health: Toward a Synergy of Development and Environment, [debasis.calcutta@gmail.com](mailto:debasis.calcutta@gmail.com), [snehagoud.m@gmail.com](mailto:snehagoud.m@gmail.com)

172. B.B. Shendage, Jockey Ghule & Anil Ghogare : Climate Change and its impact on Population and Health, [swapnilstayade@yahoo.co.in](mailto:swapnilstayade@yahoo.co.in)

180. Maruthi kumar.R & Rama krishna.V: Climate Change and India :a development Analysis, [maruthi\\_rai@rediffmail.com](mailto:maruthi_rai@rediffmail.com)

245. S.Ponnarasu & R.Saravanan: Climate Change and its Impact on Population and Health, [r.saravans@yahoo.in](mailto:r.saravans@yahoo.in)

275. Vinesh Kumar K.V: Climate Change and Its Impact on Health in India, [vkvnair08@gmail.com](mailto:vkvnair08@gmail.com)

298. R. Ravi Kumar: Climate Change: A Concern on Trivialization of Human Health Care and its Impacts, [raikode@gmail.com](mailto:raikode@gmail.com) [raikode@in.com](mailto:raikode@in.com)

**T4-A: Poverty and Pollution Interrelationships: Date 11/2/2011 Time: 3.30 P.M. to 4.45 P.M.**

16. Vijay Rakesh Reddy, S: Role of Ornamental Plants in Pollution Control, [rakesh.reddy968@gmail.com](mailto:rakesh.reddy968@gmail.com)

39. Sarvesh Rahate , Priya Gurav Tanuja Chandgude & Atul Ayare : Health Assessment through the study of Source Apportionment of Atmospheric Aerosols in Kolhapur City, [sarveshrahate@gmail.com](mailto:sarveshrahate@gmail.com), [piyagurav@rediffmail.com](mailto:piyagurav@rediffmail.com), [tanujax11@gmail.com](mailto:tanujax11@gmail.com), [atul\\_ayare@yahoo.com](mailto:atul_ayare@yahoo.com)

65. V.Kalaiselvi & V.Janarthanan: Nutrition and Health Outcomes Associated With Food Insecurity And Hunger,

98. Sujata Verma and Vandana Tamrakar: Electronic Waste in India"- A Case Study based on E-waste of Maharashtra, [sujata\\_verma@scmhrd.edu](mailto:sujata_verma@scmhrd.edu)

150. Megha Ganeshlal Jaiswal: Effect of Pollution on the People living in Aurangabad City" , [savitaghuge18@rediffmail.com](mailto:savitaghuge18@rediffmail.com)

167. T.Shoba Sri, T. Shobasree, & K.Viswa Bhushan: Povert and Pollution Interrelation -Case Study in Phoolbahgh Slum in Vizianagaram Muncipality, Vizianagaram, Andhrapradesh, [bhushan\\_karanam@yahoo.com](mailto:bhushan_karanam@yahoo.com)

193. Varun Sharma: Linkage between Urban Poverty and Social Capital, [sharmavarun84@gmail.com](mailto:sharmavarun84@gmail.com)

**T4-B: Poverty and Pollution Interrelationships: Date 11/2/2011 Time 5.00 P.M. to 6.15 P.M.**

225. M.Veera Raghavalu: Poverty and Pollution in Backward ward areas of Karnataka State, [raghavalu\\_veera@yahoo.com](mailto:raghavalu_veera@yahoo.com)

238. Prince Osei-Wusu Adjei: Linkages between Poverty, The Built Environment And Rural Health: Situational Analysis Of How Housing Poverty And Sanitation Impact Disease Occurrence In Rural Ghana, [princeosei2@hotmail.com](mailto:princeosei2@hotmail.com)

290. V. Rama Krishna, Sindhe Jaganath & Laxman Kawale: Poverty, Environment And Sustainable Development In India, [rahul\\_rk2004@yahoo.co.in](mailto:rahul_rk2004@yahoo.co.in), [sj\\_ramanna@yahoo.in](mailto:sj_ramanna@yahoo.in)

312. S.Balamurugan: Interrelationships Between Poverty and Industrial Pollution: From the Perspective of Small Scale Industries, [balamurugan.eco@gmail.com](mailto:balamurugan.eco@gmail.com)

**T5-A: Water and Sanitation and its impact on Health:Date 12/2/2011 Time: 11.00 A.M. to 12.15**

45. Leena Singh, S. K. Choudhary & P. K. Singh: Pesticide Concentration in Water and Sediment of River Ganga at Selected Sites in Middle Ganga Plain, [leenaplato@gmail.com](mailto:leenaplato@gmail.com)



58. J. John Alexander & B. Mahalingam : Drinking-Water Quality standards: Adopting a risk-benefit approach, [bmm.ce@rmkec.ac.in](mailto:bmm.ce@rmkec.ac.in)
67. Ekta Singh: Drinking Water Quality In India: Issues And Approaches, [ers\\_shyam@yahoo.co.in](mailto:ers_shyam@yahoo.co.in)
101. Avinash Adinath Gore: Pollution of Drinking Water in Aurangabad City and its impact on Human Health, [gavinash29@yahoo.com](mailto:gavinash29@yahoo.com)
162. Vijay Kumar: Ganga pollution in Varanasi, [awadhesh.aks@gmail.com](mailto:awadhesh.aks@gmail.com)
189. Sanjit Sarkar: Water and Sanitation Coverage in West Bengal and Prevalence of Diarrhoea among Children, [sanjitiips@gmail.com](mailto:sanjitiips@gmail.com), [sanjit1986.2008@gmail.com](mailto:sanjit1986.2008@gmail.com)
204. D. A. Nagdeve: Linkages between Water, Sanitation and Health in Empowered Action Group States of India, [dnagdeve@iips.net](mailto:dnagdeve@iips.net) , [dnagdeve@yahoo.com](mailto:dnagdeve@yahoo.com)

**T5-B: Water and Sanitation and its impact on Health: Date 12/2/2011 Time 12.15 P.M. to 1.30 P.M.**

235. Shubhra Dwivedy,& Chandra Prabha Pathak: Improved Water and Sanitation and its Impact on Health in Tribal Villages of Jharkhand, [seeds@xlri.ac.in](mailto:seeds@xlri.ac.in)
239. Ranjeeta: Water Crisis and Human Development in India, [2812ranjeeta@gmail.com](mailto:2812ranjeeta@gmail.com), [ranjeetajnu@gmail.com](mailto:ranjeetajnu@gmail.com)
262. Ankita Arya: Water and Sanitation and its Impact on Health: A Case Study of Siddi of Gujarat, India, [ankitaapj@gmail.com](mailto:ankitaapj@gmail.com)
283. Rajarama K E T: Access to Safe Drinking Water and Sanitation and its Impact on Childhood Diarrhoea in Karnataka: Evidences from District level Household Survey (DLHS) -3, [rajaramaket@yhoo.co.in](mailto:rajaramaket@yhoo.co.in)
315. D. Sai Sujatha & K. Mokshanand: Impact of Safe Drinking Water & Sanitation in Determining the Health Status of Hostel Students in Srikakulam Town – A Comparative Study, [moksha\\_anand75@rediffmail.com](mailto:moksha_anand75@rediffmail.com)

**T6-: Biodiversity and its impact on Health and Longevity: Date 12/2/2011 Time 11.00 A.M. to 12.15 P.M.**

317. J. Balamurugan: Biodiversity and Its Impact on Human Health and Longevity, [balasocio@gmail.com](mailto:balasocio@gmail.com)
3. Vipin Kumar & Gurdeep Singh: Impact studies of Coliform in Soil and on Surface of Salad Vegetables Grown Under Sewage Irrigation, [vipin\\_micro@rediffmail.com](mailto:vipin_micro@rediffmail.com) [vipinmicro1@gmail.com](mailto:vipinmicro1@gmail.com)
9. R.C.Gupta: Taurine; the molecule of the millenium in Environment Protection and Health Care, [ramesh1954@indiatimes.com](mailto:ramesh1954@indiatimes.com)
37. S Gurunathan: Ecosystem-Nutrition Relationship And Diseases Emergence From Forest Biodiversity Disturbances, [gurunath007@email.com](mailto:gurunath007@email.com)
99. P.Periyasamy: A Case Study on the Role of Women in Utilization and Management of Renewable Energy Sources in Vadavalli Municipal, Tamilnadu, [suryaprsm7@gmail.com](mailto:suryaprsm7@gmail.com)
109. Sumana Bandyopadhyay: Citizens' Preferences for Eco-friendly Urban Projects and Environmental Health in Kolkata, [sumona\\_bm@yahoo.com](mailto:sumona_bm@yahoo.com)
198. Kavita Sharma, Rita shabnam luka, Sandhya Lanjewar and Shaista Parveen: Biodeterioration of ancient monuments of Chhattisgarh, [drktsharma@gmail.com](mailto:drktsharma@gmail.com)

**T7-A: Urban Ecology and Environment Date 12/2/2011 Time 11.00 A.M. to 12.15 P.M.**

35. Kavitha.R: A Study on Hazardous alcohol use in Urban Slum of Southern India: its Nature, Prevalence and Risk factors, [kavithaaganesh@gmail.com](mailto:kavithaaganesh@gmail.com)
73. Preeti Misra & Alok Chantia: Right to Health and Vehicular Pollution in Urban Society – With Special Reference to the Motor Vehicles Act, 1988, [misra9\\_us@yahoo.com](mailto:misra9_us@yahoo.com)
84. Krishna Ch. Rath, Mithun Karmakar & Nihar Ranjan Das: Urban Growth and Issues in Accessibility of Health Care Services: A Case Study of Bhubaneswar in Eastern India, [rath\\_kc@yahoo.co.in](mailto:rath_kc@yahoo.co.in)

90. Melinda Haydee Kovacs & Dumitru Ristoiu: urban vs. Rural Pollutants Impact on Home Grown Vegetables and Animals – Evaluation of Their Effects on Inhabitants, [haydee\\_kovacs@yahoo.com](mailto:haydee_kovacs@yahoo.com)
92. Anandi Dantas: Mapping of urban health facilities in Maharashtra, [anandi\\_dantas@yahoo.co.in](mailto:anandi_dantas@yahoo.co.in)
100. Harish Chandra: Urbanization, Health and Sustainable Development: A Study of Allahabad, [hcchandra130@gmail.com](mailto:hcchandra130@gmail.com)
123. S.T.Bagalkoti, S.Sivanna & S.T.Bagalkoti and L.R.Angadi : Urban Environment and Health: Are Poor Households More Vulnerable, [stbagalkoti@yahoo.com](mailto:stbagalkoti@yahoo.com)
138. D. D. Naik, Balaiah Donta, Umesh Iddya and Anil Bandivadekar: Knowledge and Perception of women in Urban Poor towards HIV/AIDS An Intervention Study, [naikddddd@yahoo.com](mailto:naikddddd@yahoo.com)
- T7-B: Urban Ecology and Environment: Date 12/2/2011 Time 12.15 P.M. to 1.30 P.M.**
163. Awadhesh Kumar: Environment and Health in Urban Sector, [awadhesh.aks@gmail.com](mailto:awadhesh.aks@gmail.com)
176. Deepti Singh: How Far the Rapid boosting of Urban Population Effect the Environment and Health in India, [dsingh.singh87@gmail.com](mailto:dsingh.singh87@gmail.com)
201. Geoffrey I. Nwaka: Poverty and the Challenge of Urban Environmental Health in Nigeria, [geoffreynwaka@yahoo.com](mailto:geoffreynwaka@yahoo.com)
237. Maryam Khabazi & Hooman Foroughmand araabi: The Role of Urban Design in Achieving Sustainability through Promotion of Sustainable Behaviors, [gelareh\\_mm@yahoo.com](mailto:gelareh_mm@yahoo.com),  
[hoomanforoughmand@yahoo.com](mailto:hoomanforoughmand@yahoo.com)
242. Rajendra Singh & Ravi Verma: Role of Religious Sectors and NGO in Changing Negative Societal Norms: Method Currently being Utilized in an Urban Poor community Mumbai, India, [rsingh@icrw.org](mailto:rsingh@icrw.org)
292. Bhatia V & Puri S: Inclusive And Comprehensive Health Care Package To Urban Slum Population In North India,
332. A.Kameswara Rao: Urban health care in A.P with public private partnership, [akrao43@yahoo.com](mailto:akrao43@yahoo.com)
333. M.Lakshmipati Raju: URBAN ECOLOGY AND ENVIRONMENTAL POLLUTION:A Case Study of Waste Management Practices in Vizianagaram Town, Andhra Pradesh, [laksmipatiraju@yahoo.com](mailto:laksmipatiraju@yahoo.com)
- \*Rita Abbi: Environmental constraints and Health infrastructure in a New City - Navi Mumbai: Challenges met and opportunity seized in making the City Self-sustainable, [abbirita@gmail.com](mailto:abbirita@gmail.com)

**T8-A: Occupational and Environmental Health: Date 12/2/2011 Time 12.15 P.M. to 1.30 P.M.**

4. Mr. Somenath Bhattacharjee: Environment, Occupation And Health: Emerging Issues And Challenges Among The Stone Crushers Of Balasan River Bed, [bhattacharjee\\_somenath@rediffmail.com](mailto:bhattacharjee_somenath@rediffmail.com)
- 29.V Madha Suresh , T.W.M.T.W. Bandara & D.H.A.S.S.Perera Human and Environmental Impacts on Dust Tea Industry in Udunuwara Division - Sri Lanka, [madhasuresh@yahoo.com](mailto:madhasuresh@yahoo.com)
41. M. Nagavara Prasad & Biranchi Jena: Study on Burn Injury Emergencies reported to 108 Emergency Management Services in Andhra Pradesh, [prasad\\_mnv@emri.in](mailto:prasad_mnv@emri.in), [biranchi\\_jena@emri.in](mailto:biranchi_jena@emri.in)
42. Sudarshan Verma & Priti Saxena: Industrial Waste Walloping Human Health with Special Reference to Water Pollution, [saxena\\_priti@yahoo.co.in](mailto:saxena_priti@yahoo.co.in)
43. S. Arunkumar & B. Geetha : Work Condition and Health Status among the Workers in Textile Industries – With Reference to Powerlooms in Erode District, [arunkumarsdhmth06@gmail.com](mailto:arunkumarsdhmth06@gmail.com),
74. P. Geetha: Occupational Health And Safety Of Informal Workers – A Case Study Of Street Vendors In Coimbatore, [geegvg@googlemail.com](mailto:geegvg@googlemail.com)
88. Mohammad Akram: Occupational Health of Migrant Construction Labourers in Western Uttar Pradesh, [akram\\_soc@yahoo.co.in](mailto:akram_soc@yahoo.co.in)

**T8-B: Occupational and Environmental Health:Date 12/2/2011 Time 2.30 P.M. to 3.45 P.M.**

115. S.Boopathi & M.Rameshkumar :Industrial pollution on potable water and the consequent impact on human health, [somuboopathi@yahoo.co.in](mailto:somuboopathi@yahoo.co.in), [ramesh.eco@gmail.com](mailto:ramesh.eco@gmail.com)
144. Dhare Amar,M.: Environmental and Occupational Impacts on the Health of Constructional Laborer in Pune City.
119. K.Hymavathi : A study on Occupational health of women in Beedi making unit from vedurukuppam Mandal, [hymavathi.kongara@gmail.com](mailto:hymavathi.kongara@gmail.com)
195. R.P. Singh & Vipin Chandra Gupta: Physical and Mental Torture as Occupational Health of Migrated Brick-Kilns Labour Women, [ravindrap4u@gmail.com](mailto:ravindrap4u@gmail.com) [vipincoread@gmail.com](mailto:vipincoread@gmail.com)
250. Sarada Prasad and Jagannath Behera: Self-Employed Women and Their Health Condition in India, [sardaprasadk@gmail.com](mailto:sardaprasadk@gmail.com)
258. A.P.Senthil Kumar & K.Maharajan Occupational Health Hazards Of Environmental Pollution With Reference To Tuticorin Industrial Housing Colony, [senthilapsk@gmail.com](mailto:senthilapsk@gmail.com)  
[speedthillai2009@gmail.com](mailto:speedthillai2009@gmail.com)
307. V.Nagararajan Naidu: Occupational Health Status and Its Determinants among Working Women in Rural and Urban Areas, [nagarajanaidu@yahoo.com](mailto:nagarajanaidu@yahoo.com)
- \*D.H.A.S.S.Perera, Madha Suresh & T.W.M.T.W.Bandara: Stone Grinding Industry and Its Impact on the Human Health Status in Biyagama South in Sri Lanka, [dhas\\_perera@yahoo.com](mailto:dhas_perera@yahoo.com)

**T9-: Natural Disasters and their impact on health :Date 12/2/2011 Time 2.30 P.M. to 3.45 P.M.**

46. H. Zarei Mahmoodabady, E.Morady & A.Moazamy: The Investigation of Effects Storm In destroys Of Agriculture Farms In Arid Zone (Case Study: maybod City),
131. B.P. Thiagarajan: Tsunami Impact On Livelihood And Housing In A Selected District , [ponnmabla.thiagarajan@nielsen.com](mailto:ponnmabla.thiagarajan@nielsen.com)
147. Mohd. Taqi , Ashraf Imam & M. Najmul Islam: Natural Disasters and their impact on health in India , [mohd\\_naqi786@rediffmail.com](mailto:mohd_naqi786@rediffmail.com) , [imamashraf1@rediffmail.com](mailto:imamashraf1@rediffmail.com) , [mnajamul.islam@gmail.com](mailto:mnajamul.islam@gmail.com)
151. P.Subramanyam & P.Tavitamma: Impact of Natural Disasters and Need of Social Work Intervention, [tavithap@gmail.com](mailto:tavithap@gmail.com) , [tulasi66@gmail.com](mailto:tulasi66@gmail.com)
251. Neeru Sharma & Deepti Salotra: Women And Displacement: The Silent Sufferers Of Man Made Disasters, [neerusha@gmail.com](mailto:neerusha@gmail.com)
261. Vaishali Talani & Vipra Talani: Natural Disaster and its impact on Health, [vaishali.iihmrdelhi@gmail.com](mailto:vaishali.iihmrdelhi@gmail.com)
278. Sasmita Jena: Impact Of Natural Disasters On Health, In Orissa, [sasmitajona@gmail.com](mailto:sasmitajona@gmail.com)
306. G. Brahmananda Reddy & S.Vidyalatha: Natural Disasters & Impact on Health, [vidya\\_lth@yahoo.co.in](mailto:vidya_lth@yahoo.co.in)
313. Savithri Ramanujam: Understanding the Impact of Disasters on the Lives of Children and Youth, [savithri.Ramanujam@va.gov](mailto:savithri.Ramanujam@va.gov), [cgr4384@aol.com](mailto:cgr4384@aol.com)

**T10-A: Interdisciplinary Research Challenges in EHD: Date 12/2/2011 Time 2.30 P.M. to 3.45 P.M.**

7. Subhash Chandra: Holistic Health, Environment, and Sustainable Development: Towards 21st Century, [schandra101@gmail.com](mailto:schandra101@gmail.com)
130. Ali Pezhhan & P.Mohanachandran Nair : A study on Impact of Environmental factors on Disability, [pejhan\\_ali@yahoo.com](mailto:pejhan_ali@yahoo.com)
134. Alok Chantia 7 Preeti Misra: Health, Environment and Sustainability: An Appraisal of Tribal India,

153. Diptimayee Mishra & Naresh Chandra Sahu: Valuation of Environmental Resources in Developing Countries: A Critical Discussion, [dipti.mishra.dm@gmail.com](mailto:dipti.mishra.dm@gmail.com), [ncs7676@gmail.com](mailto:ncs7676@gmail.com), [naresh@iitbbs.ac.in](mailto:naresh@iitbbs.ac.in)
154. S.Ahila & R.Gurumoorthy: A Study on the Household Environment And Health Status Of Old Age People Living In Rural Areas,
157. Prashant V. Sonwane: Government contribution for Better Environmental changes in Rural Maharashtra, [prashantsonwane7@gmail.com](mailto:prashantsonwane7@gmail.com)
179. Jyotsna Paula Barla, Dr.Ms Subarnalata Sahoo: Impact Of Home Environment On Academic Achievement Of Tribal Adolescents, [jyotsna987@gmail.com](mailto:jyotsna987@gmail.com)
- T10-B: Interdisciplinary Research Challenges in EHD: Date 12/2/2011 Time 3.45 P.M. to 5.00 P.M.**
188. S.D. Sharma, D.K. Sharma; Sustainable Development with Policy Alternatives, [sharmadk1978@gmail.com](mailto:sharmadk1978@gmail.com)
205. Mary Jessi Rani.P: Impact of Environmental Changes on the Health and Nutritional Status of Women, [jessyrani@yahoo.co.in](mailto:jessyrani@yahoo.co.in)
208. Pariya Pourmohammadi & Yashar Zeinali Farid: Sustainable Transportation and Quality of life; Challenges and Solutions, [ppourmohammadi@yahoo.com](mailto:ppourmohammadi@yahoo.com)
209. Pariya Pourmohammadi & Ehsan Fayyazi: Iran a Sustainable Developing Country; with the Green Energy Approach, [ppourmohammadi@yahoo.com](mailto:ppourmohammadi@yahoo.com)
211. Sobha. B. Nair: Changing Social Environment and Shifting Health Scenario of Keralites, [sobhabnair@gmail.com](mailto:sobhabnair@gmail.com)
212. Somika Sinha: Indigenous Conceptions of Environment and Culture in Modern India, [somikasinha@gmail.com](mailto:somikasinha@gmail.com)
221. Hooman Foroughmand Araabi & Maryam Khabazim: Between Knowledge, Belief and Desire, Green Utopia and Its Application, [hoomanforoughmand@yahoo.com](mailto:hoomanforoughmand@yahoo.com) , [gelareh mm@yahoo.com](mailto:gelareh_mm@yahoo.com)

**T10-C: Interdisciplinary Research Challenges in EHD: Date 12/2/2011 Time 3.45 P.M. to 5.00 P.M.**

222. Vishavpreet Kaur: Resettlement Versus Sustainable Development: - A Study of displaced women from various slums relocated in Bawana, Delhi. [vishavpreetk@gmail.com](mailto:vishavpreetk@gmail.com)
223. Ismail Makandar: A Sociological Study Of Poverty Programmes And Environmental Protecion, [Ismail.makandar@rediffmail.com](mailto:Ismail.makandar@rediffmail.com)
224. H.Ramakrishna: Green Marketing In Inda: Some Eco-Issues, [drhramakrishna@gmail.com](mailto:drhramakrishna@gmail.com)
228. M.B. Mistry, S. Pathan and S.Ahmed: Linkages between Health, Environment and Sustainable Development: A Case-Study of Ralegan Siddhi, the Model Village of Maharsashtra, [algantajm@yahoo.co.in](mailto:algantajm@yahoo.co.in)
236. Srimati Nayak: Geomedical Environment and Health Care Services: An Analytical Study Of Some Selected Districts In Western Odisha, [sri1003@rediffmail.com](mailto:sri1003@rediffmail.com)
267. Jagannath Behara: Health Exclusion and Inclusive Policy in India, [jagannathjnu08@gmail.com](mailto:jagannathjnu08@gmail.com)
268. Narendra Kumar Dundu: Health and Conservation in the Wildlife sanctuaries of India, [narendra\\_dundu@hotmail.com](mailto:narendra_dundu@hotmail.com)

**T10-D: Interdisciplinary Research Challenges in EHD :Date 12/2/2011 Time 5.15 P.M. to 6.15 P.M.**

284. Anand N.L: Social Work Intervention in the Protection of Environment and Sustainable Development, [ananda\\_koosu@rediffmail.com](mailto:ananda_koosu@rediffmail.com)
293. Neeraj Chapagain (Niresh): Relationships in community forestry: Who Has Influence And Who Is Being Affected, [neerajchapagain@gmail.com](mailto:neerajchapagain@gmail.com)
295. J.M.Arul Kamaraj & J. Arul Suresh: Environment Protection And Sustainable Development: Need Of The Hour For India, [aruljmkamaraj@yahoo.com](mailto:aruljmkamaraj@yahoo.com)

305. T. Lakshamma: An Alternative Approach for Sustainable Social Development Campus Community Interaction, [redytlsvu@gmail.com](mailto:redytlsvu@gmail.com)

321. P. M. Sandhya Rani: Autonomy, Social Networking and Health Status of Tribal Adolescent Married Girls in Jharkhand, [raju\\_prof@rediffmail.com](mailto:raju_prof@rediffmail.com)

**T11:- Vulnerability and Equity in Environment and Measurement of Health: Date 12/2/2011 Time 3.45 P.M. to 5.00 P.M.**

25. Seema Awasthi & Chandr Kumari: Impact of Intervention Programme on Environment Friendly Behaviour among Adolescents [seema\\_awasthi2005@yahoo.co.in](mailto:seema_awasthi2005@yahoo.co.in)

34. Hemanta Saikia & Dibyojyoti Bhattacharjee: Measurement of Health Facilities in Assam: A District Level Analysis, [h.saikia456@gmail.com](mailto:h.saikia456@gmail.com) , [dibyojyoti.bhattacharjee@gmail.com](mailto:dibyojyoti.bhattacharjee@gmail.com)

50. K.Ravindraiah Reddy, P.Ramachandran & V.Chandrasekhar: Sustainability in Supportive Supervision Makes the Difference on Immunization Coverage, [krreddy62@yahoo.co.in](mailto:krreddy62@yahoo.co.in)

120. Anurodh Sen: Human Security: Measuring Human Dimension of Security, [anurodh.sen@gmail.com](mailto:anurodh.sen@gmail.com)

143. Sadhana Srivastava and K. Satyanarayana: Equitable access to health products in national emergencies: issues and concerns of sharing biological material for vaccines, [sadhana\\_s@ymail.com](mailto:sadhana_s@ymail.com)

169. Ramaiah Itumalla: Vulnerability And Equity In Health: A Study Of Yavathmal District, Maharashtra, [ramuhealthcare@gmail.com](mailto:ramuhealthcare@gmail.com)

186. Balaiah Donta, D. D. Naik, Umesh Iddya and Anil Bandivedekar: Enhancing Men involvement in HIV/AIDS Programme:

An Intervention Strategy in urban Poor Community in Mumbai, [bdonta2007@yahoo.co.in](mailto:bdonta2007@yahoo.co.in)

219. M. N. Megeri, A.S. Kadi and Prakash Kengnal: Statistical Measures of Urbanization and Health of India, [megeri\\_mn@rediffmail.com](mailto:megeri_mn@rediffmail.com), [prakash.kengnal@gmail.com](mailto:prakash.kengnal@gmail.com)

**Special Session: Women, Health and Sustainable Development:Date 13/2/2011 Time 10.30 A.M to 11.15 A.M**

S1.Hema Bindu L, Pranay Krishna P, Reddy MVV, Thangaraj KS, Usha Rani P, Reddy PP: ROLE OF environmental factors in causation of congenital deafness [redypp99@yahoo.in](mailto:redypp99@yahoo.in)

S2.Shehnaz Sultana, Sindhu Joshi, Usha Rani. P, Reddy P.P: "Association of CYP1A1 gene polymorphism with Ischemic Stroke in South Indian population", [redypp99@yahoo.in](mailto:redypp99@yahoo.in)

S3.Usha Rani .P, D. Rani, Md Quadratullah Nasir, P. Pranay Krishna and P.P. Reddy: Stress, Anxiety and depression among Industrial employees -A cross sectional survey of Industrial Town, Tirupathi, [redypp99@yahoo.in](mailto:redypp99@yahoo.in)

197. Vijayanthimala Kodali: Impact Of Internal Environment On Women's Health: Role Of Diet, [kvjmala@yahoo.co.in](mailto:kvjmala@yahoo.co.in)

320: Chura Giri, Maternal Care Among Reproductive Women Of Margherita Town Of Assam, [chura\\_giri@rediffmail.com](mailto:chura_giri@rediffmail.com)

152. Yasodhara: Livelihood changes – its effect on tribal women –Orissa, [pyasodhara2000@gmail.com](mailto:pyasodhara2000@gmail.com)

19. Dr. K .Gangadharan: Neglecting Women and Child Health Today's Evidence & Tomorrow's Agenda, [dkgangadhran@gmail.com](mailto:dkgangadhran@gmail.com)

288. Moumita Paul: Systems' approach to tackle impacts of climate change, [missmoumita.paul@gmail.com](mailto:missmoumita.paul@gmail.com)

282. Nemthaingai Guite: International Protocol On Biodiversity: Health Impact and Concerns in Manipur, [thianguite@yahoo.co.in](mailto:thianguite@yahoo.co.in)

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