SCHOOL OF HUMAN AND ENVIRONMENTAL SCIENCES

Dean : Professor B.K. Tiwari
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The School of Human and Environmental Sciences comprises of three Departments: Anthropology, Geography and Rural Development and Agricultural Production and one Centre of Studies: Centre for Environmental Studies. The faculty members of the School are actively involved in post graduate teaching and research programmes. The thrust areas of the research in the School are aimed at creation of knowledge and better understanding of the biocultural, environmental and natural resource management systems with special reference to northeastern hill region of India. This year 96 students were admitted to the post graduate programme in the School, out of which 76 passed out. Six research scholars were awarded Ph.D. degree. Seventeen major research projects sponsored by various funding agencies are being implemented by the faculty members of the School. All full time research scholars are receiving fellowship and nearly all the teachers of the School are guiding Ph.D. students. The Departments and Centre of the School have several collaborative research projects funded by international agencies. Such research collaborations invariably include exchange of faculty and organization of seminars for dissemination of results. The Departments and the Centre of the School organized five national workshops, two national seminars and one Verrier Elwin Endowment lecture series during the year under report. The Department of Geography is supported under UGC's special assistance programme and received a special grant for infrastructural development during the year under report. The faculty members of the School are also actively collaborating with the Department of Atomic Energy, Government of India and Bhabha Atomic Research Centre, Mumbai in a research project pertaining to the proposed site of Uranium mining in Meghalaya. Some of the faculty members of the School are also working as Chairman and member of various national committees, boards and task forces of the state and union governments.

DEPARTMENT OF ANTHROPOLOGY

Head : Professor R. Khongsdier
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Thrust Area of Research : The Department aims to promote, consolidate and integrate anthropological teaching and research programmes by training students and creating expertise especially in the areas of research that are

socially relevant and holistic in nature with special reference to northeast India. The thrust area of research of the Department include :
(i)Population genetics including DNA studies with special focus on phylogenetic relationship of human populations and other related health issues (ii) Biocultural aspects of human growth and nutrition (iii) Demography, reproductive and child health (iv) Gender issues (v) Gerontology (vi) Ethnicity and identity.

Brief Statement of Academic Activities :
The Department admitted 28 students for M.A./M.Sc. programmes and 24 students for Ph.D. Programme during the year. During this period, 24 students successfully completed their M.A./M.Sc. and 2 students were awarded Ph D. degree. In addition to regular teaching and research activities, the Department organized a workshop on "Man and Natural Environment: Practices, Governance and Transformation of Nature in South-Asia" in collaboration with the Young French Scholars of Indian Studies Association, Paris, during 16-21 February, 2008. The Department also organized the 14th Verrier Elwin Endowment Lectures on "Social Transformation Processes in Northeast India" during 5-7 March, 2008. The lectures were delivered by Professor A.C. Bhagabati, former Vice-Chancellor of Rajiv Gandhi University, Arunachal Pradesh. The Department was also involved in the "Evaluation Study of the Supplementary Nutrition Programme in Selected ICDS Projects of Meghalaya" in collaboration with the Directorate of Social Welfare, Government of Meghalaya. A major research project entitled "Culture, Genetics and Status of Health in Northeast India" under Area Studies programme of the University with Potential for Excellence (UPE) Scheme of the University Grants Commission, New Delhi was started during the year.

Faculty :

Professors:	T. B. Subba, M.A.,Ph.D. (North Bengal University)
	H. Lamin, M.A.,Ph.D. (NEHU)
	R. Khongsdier, M.Sc.,Ph.D. (NEHU)
Readers:	L. Zehol, M.A.,Ph.D. (NEHU)
	D.K. Limbu, M.Sc.,Ph.D. (NEHU)
Lecturers:	V. Pakyntein, M.A.,M.Phil. (Delhi)
	J.W. Dkhar, M. Sc.,Ph.D. (NEHU)
	Q. Marak, M.A., (Gau.)
	B. T. Langstieh, M.Sc.,Ph.D. (Cal.)

Student Intake :
Enrolment capacity = 28 Ph.D. = Variable

	SC	ST	Genl.	Male	Female	From Meghalaya	Outside
M.A./M.Sc.	-	27	1	15	13	11	17
Ph.D.	-	20	4	13	11	9	15

Degree Awarded :

	SC	ST	Genl.	Male	Female	Total
M.A./M.Sc.	-	18	2	9	11	20
Ph.D.	-	2	-	-	-	2

Ph. D.

Ms. Tonjam J. Chanu "A Study of reproductive and Child Health among the Lois of Imphal Valley." Supervisor: Prof. R. Khongsdier.

Ms. Bengjongtula: "The Longbhum Village in Mokukchung District of Nagaland: An Anthropological Study." Supervisor: Dr. L. Zehol.

Placement of Students : Dr. L. Robert Varte who did his PhD on "Health Status of the Hmars of Manipur" under the supervision of Prof. R. Khongsdier was appointed as Scientist-B (Group-A Technical/Gazetted) in the Defence Research and Development Organization (DRDO), New Delhi.

Courses Conducted : Following courses were conducted for M.A./M.Sc. students:

Semester I: Palaeo-anthropology; Archaeological Anthropology; Physical Anthropology; Social and Cultural Anthropology.

Semester II: Human Origin and Evolution; Asian Prehistoric Archeology; Human Ecology and Adaptation; Language, Culture and Society; Theories and Methods.

Semester III: Anthropology of India; Economy and Culture; Culture, Health and Medicine; Demography and Biostatistics; Fieldwork Methods and Techniques; Human Genetics; Human Growth and Body Composition; Practical in Physical Anthropology-I.

Semester IV: Anthropology of Northeast India; Dissertation; Development Anthropology; Practical in Physical Anthropology – II; Anthropology of Communication; Biosocial Anthropology.

Study Tour/Field Trips of Students : Prof T.B. Subba took the 3rd Semester students to Kondagahalli village, Mysore District, Karnataka, with effect from 31 December 2007 to 02 February 2008 for their fieldwork training.

Seminars/Conferences/Symposia/Extension Programmes, etc. :

Organised

The Department organised an international workshop on "Man and Natural Environment: Practices, Governance and Transformation of Nature in South-Asia" in collaboration with the Young French Scholars of Indian Studies Association, Paris, during 16-21 February, 2008. The main aim of this workshop was to bring about a closer interaction and exchange of fieldwork experiences between French and Indian Young scholars especially in the fields of human-nature relationship. The Department also organized the 14th Verrier Elwin Endowment Lectures on "Social Transformation Processes in Northeast India" on 5-7 March, 2008. The lectures were delivered by Professor A.C. Bhagabati, Former Vice-Chancellor of Rajiv Gandhi University, Arunachal

Pradesh. The UGC Sponsored Workshop on "Capacity Building of Women Managers in Higher Education" was also organized by the Department in collaboration with the Department of Khasi, NEHU, Shillong during 24-29 September, 2007.

Attended

Professor T.B. Subba attended a national seminar on Identity, Emotions and Literature, organized by the Indian Council of Historical Research, New Delhi on 15-17 May, 2007, and presented a paper entitled "Are You Gorkha or Nepali? Some Problems of Straight-Jacking Identities."

Dr. L. Zehol attended (i) a conference on PAC Programme, organized by NERIF (NCERT), Shillong on 30-31 July, 2007, and presented a paper entitled "Relevant Methodologies and Tools of Research", (ii) a national seminar on Feminist Scholarship in Northeast India: Retrieving and Reconstructing, organized by the Departments of History and Political Science, NEHU, Shillong on 15-16 October, 2007, and presented a paper entitled "Anthropology of Gender and the Naga Society: An Appraisal", and (iii) a national seminar on Religion and Society in Pre-Colonial Northeast India, organized by the Department of History, NEHU, Shillong on 19-21 March, 2008, and presented a paper entitled "Origin Myth of the Nagas: An analysis."

Publications :

Published In India

Khongsdier, R. 2007. Increasing Urbanization in Tribal States of Northeast India: Implications for the Prevalence of Chronic Diseases. *Tribes and Tribals, Special Issue,* **2**:17-25.

Khongsdier, R. 2007. Ka Jingshongkha Khleh bad ka Jingmih Jong ki Jaitbynriew: Khyndiat Halor ka Jaitbynriew Khasi. *MSCW News Letter*, **3**: 15-23.

Published abroad

Khongsdier, R. 2007. Comment on "In-law Conflict: Women's Reproductive Lives and the Roles of Their Mothers and Husbands among the Matrilineal Khasi" by Leonetti et al. *Current Anthropology*, **48**: 861-890.

Langstieh, B.T. 2007. Comment on "In-law Conflict: Women's Reproductive Lives and the Roles of Their Mothers and Husbands among the Matrilineal Khasi" by Leonetti et al. *Current Anthropology*, **48**: 861-890.

Research Projects

Ongoing

"Culture, Genetics and Status of Health in Northeast India" under the University with Potential for Excellence (UPE) programme. Principal Investigators: Prof. T.B. Subba and Prof. R. Khongsdier. Amount of fund: Rs. 30.0 lakhs.

"Evaluation Study of the Supplementary Nutrition Programme in Selected ICDS Projects of Meghalaya" in collaboration with the Directorate of Social Welfare, Government of Meghalaya. Principal Investigator: Prof. R. Khongsdier. Rs. 4.0 lakhs.

Honours/Awards/Recognition : Prof. T. B. Subba was awarded DAAD Guest Lecturership at the Free University of Berlin, Germany. He was also awarded Dr. Panchanan Mitra Memorial Lecturership for 2008 by the Asiatic Society, Kolkata.

Other Activities :

Ms. V. Pakyntein organised the UGC Sponsored Workshop on "Capacity Building of Women Managers in Higher Education" in collaboration with the Department of Khasi, Shillong during 24-29 September 2007.

Dr. L. Zehol attended as resource person in the UGC Sponsored Workshop on "Capacity Building of Women Managers in Higher Education" organized by the Departments of Anthropology and Khasi, Shillong during 24-29 September 2007.

Prof. T. B. Subba was the Editor of *The NEHU Journal* and Coordinator of NEHU Extension Lectures during the year. He also delivered the convocation address at the Annual Award Ceremony of the Madan Puraskar and Jagadamba Puraskar (National Awards of Nepal) in Khatmandu on 13 October, 2007.

Ms. Q. Marak attended the UGC Orientation course programme organised by the Academic Staff College, Guahati University, Guwahati during 17 December, 2007 to 13 January, 2008.

Prof. R. Khongsdier was a member of the Expert Group for evaluation of Research Proposal for the award of Dr. D.S. Kothari Postdoctoral Fellowship by the University Grants Commission, New Delhi. He also served as a member of the Advisory Board of the Anthropologist journal, New Delhi.

Lectures delivered in Refresher Courses :

Prof. T.B. Subba delivered: (i) two lecturers titled "Culture Area" and "Age-Area" in the refresher Course organized by the Department of Geography, NEHU, Shillong, on 17-18 August, 2007; (ii) a lecture titled "Fieldwork" in the Refresher Course organized by the Department of Education, NEHU, Shillong, on 26 February, 2008, and (iii) two lectures titled "Ethnographic Text as Real" and Authority in Ethnographic Text" in the Refresher Course organized by the Department of English, NEHU, Shillong, on 15 March, 2008.

DEPARTMENT OF GEOGRAPHY

Head : Professor D.K.Nayak
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Thrust Area of Research : (i) Geomorphology with focus on Regional and Applied geomorphology, (ii) Environmental studies with focus on Climatology & Climate change, Water Resources and Hydrology, Bio-geography and Bio-diversity and Watershed Management studies. (iii) Regional Development and Regional planning, (iv) Researches on Social and Cultural Diversity of the North-Eastern Region with a special focus on Tribal Development, (v) GIS and Remote Sensing applications in Environment and Land Use Planning.

Brief Statement of Academic Activities : As many as thirteen candidates from the Department qualified in the UGC NET under Lectureship category. The Department, apart from its usual teaching programme, organized a series of lectures delivered by eminent geographers drawn from various universities in the country. The collaborative research programme with the Polish Academy of Sciences on 'Run off, Rainfall and Soil Loss in Cherrapunji Area, Meghalaya Plateau' continued this year with the exchange of scientists from this Department who visited Polish Academy of Sciences and the scientists from the Polish Academy of Science visiting this Department. The Department was upgraded to DRS Phase II of the Special Assistance Programme of the UGC. The Department organized two National level Seminars and workshops during the year. The faculty remained active in publication of research papers in a number of refereed national journals as well as under book chapters. Many faculty members attended and presented research papers in National and International conferences. Two young faculty members received their Doctoral Degree during the year. Four research scholars were awarded Ph.D. degree. Two research scholars were sponsored by the Department to undertake advanced training in application of GIS and Remote Sensing. The Department received an additional grant of Rs. 20 Lakhs from UGC under Special Assistance Programme to strengthen infrastructure facilities. Under the University with Potential for Excellence Programme, the Department undertook a major Research project on Valuation of Community Natural Resources and Livelihood Systems. Two new major research Projects were received by the Department while a collaborative research work began with the NESAC, Shillong.

Faculty :

Professors:	A.C. Mohapatra, M.A,MPhil (JNU) Ph.D. (NEHU)
	Surendra Singh, M.A.,Ph.D. (Meerut)
	B.S. Mipun, M.A. (JNU) Ph.D. (NEHU)
	D.K. Nayak, M.A.,MPhil,Ph.D. (JNU)
Readers:	Z.H. Qureshi, M.A.,/Ph.D. (Sukhadia)

H.J. Syiemlieh, M.A.,MPhil,Ph.D. (NEHU)
L. Cajee, Msc.,Ph.D. (NEHU)
Lecturers: N.K. Sinha, M.A. (Gau.) Ph.D. (NEHU)
P.G. Momin, M.A (JNU), M.Phil (NEHU)
P.K. Ryngnga, M.A (NEHU), M.Phil, Ph.D. (JNU)
S. Purkayastha, M.A/Ph.D. (NEHU)

Visiting Professors/Fellows/Scholars :

The following Professors visited the Department and delivered a series of lectures:

Prof. Sudesh Nangia, Centre for the Study of Regional Development, JNU, New Delhi delivered a lecture on "Integrating Gender in Research Policies and Programmes"(11th May 2007); Prof. K. R. Dikshit (retd.) Department of Geography, University of Pune, Pune delivered a lecture on "Colonisation of North-East India" (29th May 2007); Prof. S.R.Basu, Department of Geography, Calcutta University, Kolkata delivered a lecture on "Landslides in Darjeeling Himalaya" (22nd August, 2007); Prof. Sudesh Nangia, Centre for the Study of Regional Development, JNU, New Delhi delivered a lecture on "Changing Demographic Scenario in North-East India" (7th September, 2007).

Prof. R. C. Sharma (Rtd.) Jawaharlal Nehru University, New Delhi, was invited as a Visiting Fellow under DRS-II programme and he delivered a lecture on "Traditional Livelihood Systems of North-East" on 23.3.08. Prof. H. Ramachandran delivered a lecture on "Measuring Carrying Capacity of Mussourie" on 26.3.08.

Student Intake :

Enrolment capacity: MA./MSc.- 36; Ph.D.: Variable

Actual Admission:	SC	ST	Gen	Male	Female	From Meghalaya	Outside
M.A./M.Sc.	-	30	6	23	13	12	24
Ph.D	-	1	4	2	3	1	4

Degrees Awarded:

	SC	ST	Gen	Male	Female	Total
M.A/M.Sc.	0	28	3	12	19	31
Ph.D.	0	0	4	3	1	4

Ph.D.

Subrata Purkayastha "Growth of Shillong Urban Agglomeration and its Impact on the Geo-environment with Special Reference to Solid Waste Disposal and Water Supply" Supervisor: Prof. B. S. Mipun

A. C. Debnath "Changing Course of Kameng River in the Lower Reaches" Supervisor: Dr. Z. H. Qureshi

K .K. Gogoi "Spatial Pattern of Agricultural Production in the Environs of Jorhat City, Assam" Supervisor: Prof. Surendra Singh

Bhaben Kalita " A Geographical Analysis of Bell Metal Industry in Sarthebari, Assam" Supervisor: Prof. B.S.Mipun

Placement of Students : Ms. Markynti Swer of the Department joined as a lecturer in Geography at Sherbutse College, Bhutan. Mr Sanjay Choudhury joined as a lecturer in the Department of Geography, St. Edmunds' College, Shillong. Ms. Mahasweta Satpati joined as a Research Officer in PEHEL-Centre for Enquiry Into Health and Allied Themes (CEHAT) Mumbai. Mr. Samir Deb Burma joined as a Lecturer in a Government College, Udaipur, Tripura.

Courses conducted :
(i) The following courses were conducted for M.A. /M.Sc. students:

Semester-1: Geomorphology, Regional Geography of India, Climatology and Hydrology, Advanced Cartography
Semester- II: Economic Geography, Quantitative Techniques in Geography, Ecology and Biogeography, History of Geographical Thought, Fieldwork.
Semester-III: Regional Planning and Development, Population and Settlement Geography, Regional Geography of a Meso Region of the World/India, Social and Cultural Geography, Remote Sensing and GIS.
Semester-IV: Environmental Geography, Advanced Geomorphology, Biogeography, Applied Climatology, Hydrology, Integrated Area Planning, Agricultural Geography, Social Geography, Cultural Geography and Project.

(ii) The following courses were conducted by the Department for Ph.D. students:

Methodology and Research Methods in Geography, Evolution of Landforms, Drainage Basin and Water Resources, Geography of Settlements and its Application in Integrated Area Development, Population and Development, Advanced Agricultural Geography.

Study Tours/Field Trips of Students :
Dr. Zahid Hussain Qureshi and Dr. N. K. Sinha took the first semester students to an all India study tour (8-25 February, 2008) to various places in Rajasthan in order to study the cultural landscape under the influence of arid and semi arid conditions.

Prof. B. S. Mipun and Dr. L. Cajee supervised Field work of the 2nd semester students concerning a socio-economic survey of the villages in Mawhati area, Ri-Bhoi District, Meghalaya from the 25 January – 3 February 2007.

Seminars/Conferences/Symposia/Extension Programme etc.:

Organised
The Department organized the following Refresher Course, seminars and workshops:

User Workshop on Development of Data Generation on Rainfall, Runoff and Soil Loss Estimating SDSS for Extremely Humid Areas of the Central Meghalaya Plateau on 23rd April 2007.

UGC Refresher Course on Emerging Frontiers of Geography, 3-23 August, 2007. ICSSR, New Delhi sponsored one day Interactive Session on 9.07.07.

XXVI National Seminar on Hydrology with a Special Colloquium on Rainfall versus Water Resources in North-East India in association with Association of Hydrologists of India, 26-28 October, 2007.

National Seminar on Natural Resources, Traditional Practices, Livelihood and Poverty with Special Focus on North-Eastern Region of India, 24-25 March, 2008.

One-day workshop on SPSS-16 for users in various University Departments on March 29, 2008.

Attended

Prof A. C. Mohapatra attended 34th National Association of Geographers India (NAGI) Annual Conference, at M.L. Sukhadia University, Udaipur, Rajasthan, November 19-21, 2007, presented a paper on "Nature and Human Action: Reflections on Man & His Livelihoods" and chaired a session on 20.11.07.

Prof. Surendra Singh attended National Conference on Demographic Dynamism in North East India, Department of Geography, J. B. College, Jorhat, on 7-9 December 2007, presented a paper on Role of Towns in Regional Economies of NE India and also chaired a Session on 7th December 2007

Prof. B. S. Mipun attended National Conference of the Institute of Indian Geographers Meet 2008, from 29-31st March, 2008 at Punjabi University, Patiala, presented a paper on "Land Capability Classification Mapping of Mawkynriew CD Block" and chaired a session

Prof. D. K. Nayak (i) with Dr. Aparesh Patra presented research paper in PRIPODE workshop on Urban Population, Development and Environment Dynamics in Developing Countries , Jointly organized by CICRED, PERN and CIESIN, 11-13 June 2007, Nairobi, Kenya on Role of Water Supply and Sanitation for Hill Area Development Using Remote Sensing and GIS Techniques: A Case Study of Shillong Urban Agglomeration, India; (ii) attended National seminar on "Tradition, Continuity, Change: Assessment into Gender Disparity in the Context of North-east India", St. Mary's College, Shillong, 15-16, May, 2007and presented Research Paper entitled Gender Gap and its Demographic Implications and Sex-Differential in Ageing in the North-East (with Markynti Swer), also presented a key note paper on Demographic Implications of Gender Gap; (iii) attended UGC National

Seminar on "Demographic Dynamism in North-East India" at J.B.College Jorhat, Assam, 7-8, Dec. 2007 and presented Research Paper on "Demographic Dilemma in the North-East-The case of Ageing"; (iv) attended BRNS Seminar, 16th March, 2008 Demography and Health Issues, North-Eastern Hill University, Shillong, delivered a lecture on Demographic Issues in Health Studies; (v) attended National Seminar on Natural Resources, Traditional Practices, Livelihood and Poverty with Special Focus on North-Eastern Region of India, Department of Geography, NEHU Shillong, 24-25 March, 2008, presented research papers on Rapid Rural Appraisal of Selected villages in Garo Hills and Livelihood Changes in Garo Hills based on Focus Group Discussion; (vi) attended IIG Meet, National Conference on "Land, Water and Food Security: Globalisation Perspective" Department of Geography, Punjabi University, Patiala, 29-31 March, 2008 and. presented research paper on Demographic Transition and Problems of Ageing: The Experience in the North-East, also chaired Technical Session-III on Social Geography; (vii) attended DST Workshop on Natural Resource Data Management System, 19-21 September, 2007, Guwahati, organised by North East Regional Institute of Water and Land Management and presented research paper on Habitat Mapping in Meghalaya.

Dr. Z. H. Qureshi attended (i) XXIX Indian Geography Congress, held at M.L. Sukhadia Univ., Udaipur, 19-21November, 2007 and presented a research paper on Management of Land Resources in Kameng Himalaya and chaired Technical Session N-8 on Resource Management (ii) 38th National Conference of the Rajasthan Geographical Association, MLV Govt. College, Bhilwara (Rajasthan), 11-13 January 2008 and presented a research paper on Geosystem Concept in Natural Resource Management (iii) 2nd International Indian Geography Congress, JRN Rajasthan Vidyapeeth University, Udaipur (Rajasthan), 29 February- 2 March 2008 and presented research paper on Shifting River Courses and Space Technology and co-chaired Technical Session-III, Earth System and Changing Climate and Technical Session VIII, Human Impact on Environment.

Dr. P. K. Ryngnga, attended (i) National seminar on "Tradition, Continuity, Change: Assessment into Gender Disparity in the Context of North-east India", St. Mary's College, Shillong, 15-16, May 2007 and presented Research Paper entitled Empowerment of Tribal Women: A Comparative Study of the Khasis and the Gonds (with E.Kharsyntiew and B. Mawroh) (ii) National Seminar on Population Dynamics in North East India, NEICSSR, Shillong, 4th-5th June 2007 and presented a research paper entitled Levels of Development in North East India.

Dr. Subrata Purkayastha attended a National Seminar on Population Dynamics in North East India held on 4-5 June 2007 at Shillong, organized by NEICSSR and Presented a research paper entitled Population Growth of North East—A Geographical Analysis.

Ms. Daianolin Nongshli, Research Scholar attended National seminar on "Tradition, Continuity, Change: Assessment into Gender Disparity in the Context of North-East India", St. Mary's College, Shillong, 15-16, May 2007 and presented a research paper entitled Ageing in Matrilineal Society.

Ms. Jane. E. Warjri, Research Scholar attended National seminar on "Tradition, Continuity, Change: Assessment into Gender Disparity in the Context of North-East India", St. Mary's College, Shillong, 15-16, May 2007and presented research paper entitled Female Domestic Workers in Shillong.

Ms. Markynti Swer, Research Scholar attended National seminar on "Tradition, Continuity, Change: Assessment into Gender Disparity in the Context of North-East India", St. Mary's College, Shillong, 15-16, May 2007 and presented research paper entitled Sex-Differential in Ageing in the North-East.

Ms. Mayuri Das, Research Scholar attended UGC sponsored National Seminar on "Demographic Dynamism in North-East India" J.B.College Jorhat, Assam, 7-8 Dec. 2007 and presented research paper entitled An Assessment of the extent of Redistribution of Population in Majuli.

Ms. Sujata Deori and Niranjan Das, Research Scholars attended (a) International Seminar on Tai, Tribal and other Ethnics of Northeast India, Southeast Asia and Yunnan, China, Tai Literary and Cultural Council, Dhemaji, Assam, 21-22 March, 2007 and presented research paper entitled 'Redistribution and Cultural Transformation of Deoris in Assam' (b) Convention of Asia Scholars (ICAS 5), Kuala Lumpur 2- 5 August 2007 and presented research paper entitled Migration and Cultural Transformation of Deoris in Assam- A study on Social Geographical Perspectives.

Publications :

Published in India

Mohapatra, A.C. 2007. "Globalisation, Business Outsourcing and Regional Development in India" *The Indian Geographical Journal*, 81: 71-80.

Singh, S. and Sharma, B. 2007. Changing Pattern of Agricultural productivity in Brahmaputra Valley, *Indian Journal of Agricultural Research*, Bombay, 62: 139- 152.

Singh S., Syiemlieh H. J. and Sarma B. 2007. "Biophysical Attributes Influencing the Summer Rice Yield in Brahmaputra Valley", *Indian Journal of Soil Conservation*, 35: 30-35.

Book/Book Chapter Publication

Book

Singh, S, Starkel L. and Syiemlieh H. J. (ed.) 2008: Environmental Changes and Geomorphic Hazards, Bookwell Publications, New Delhi: 390+xxpp (Indo Pol Joint Seminar Proceedings).

Book Chapters

Gogoi K. K. and Singh S. 2008. Marketable Surplus in Subsistence Agricultural Economy and Rural Development: A Case Study of Jorhat District, Assam In: Abha Laxmi Singh and S. Fazal (Eds): *Rural Environmental Management*, B. R. Publishing Corporation, New Delhi, 170-196.

Goswami, Mainu and Mipun, B.S. 2007 Literacy and Female Work Participation of Tribal Women in Dhemaji District of Assam In: A.K.Ray and E. Jyrwa (ed.) *Female Emancipation Trends and Issues in North East India* Omson Publications, New Delhi. 9-17

Husain, Z. 2008. "Landslide Hazards in the Sikkim Himalaya" In: S. Singh *et al* (eds.) *Environmental Changes and Geomorphic Hazards*, Bookwell, New Delhi. 113-130

Mohapatra, A.C. and Rekha Nianthi, KWG. 2007. Temperature Changes in major Agro-climatic Zones of Sri Lanka In: Thakur, B, Pomeroy, G et al (ed.) *City, Society & Planning, Vol.III,* New Delhi: Concept, 327-337.

Mohapatra, A.C. and Dey, J 2007 Location, Economic Growth and Trade: Recent Economic Trends in South Asia, In: Dubey, A. and Srivastav, N., et al (ed.) *Globalisation & North-East India*, New Delhi: Standard Publishers, 325-344.

Sharma B. and Singh S. 2007. Regional Disparities in Agricultural Labour Productivity in the Brahmaputra Valley In: Thakur B., Pomeroy G., Cusack C. and Thakur S. K. (Eds) *City, Society and Planning* (Volume Three: Planning), Concept Publishing Company, New Delhi. 464-478.

Singh S. 2008. Environment and Associated Hazards- A Summary Note, In: Singh S, Starkel L. and H. J. Syiemlieh (Eds): *Environmental Changes and Geomorphic Hazards,* Bookwell Publications, New Delhi. 3-24.

Syiemlieh,H.J. 2007 Shifting Cultivation in North East India : Some Reflections, In: Saxena, K.J. et. al (eds.), *Shifting Agriculture in Asia: Implications for Environmental Conservation & Sustainable Livelihood* Bishen Singh Mahendra Pal Singh, Dehradun.75-82.

Syiemlieh,H.J. & Barman, S 2008 Impact of Flood on Settlement in Pagladia-Morapagladia River Catchment In: S.Singh et.al. (eds) *Environmental Changes & Geomorphic Hazards* Bookwell, New Delhi.315-28.

Articles on Websites

Ryngnga, P.K, 2007, Role of University in Monitoring Natural Hazards In: http//www. thewritersonline.com/ views-opinions/role of university in monitoring natural hazards

Ryngnga, P.K, 2008, "The Matrilineal Society of Meghalaya" in http//www. thewritersonline.com/ views-opinions/ the matrilineal society of Meghalaya.

Fund received from agencies other than NEHU :

UGC (SAP) DRS Programme:	Rs. 3.5 Lakhs
UGC (SAP) Special Infrastructure Grant	Rs. 20 Lakhs

Infrastructure Facilities :

ArcGIS Master Lab Kit 8.4 Software-3 licenses, ERDAS Imagine 8.1 DIP Software-5 licenses, ENVI- 10 licenses, SPSS-5 licenses, A0 Colour plotter-1, Leica GPS56+ -1, Megallan HH GPS-1, 5 Mega pixel Digital Camera-1, A0 scanner, GARMIN 12 XL GPS.

Research Projects :

Ongoing

Bilateral Indo- Polish Collaborative Research Program of DST (New Delhi) and KBN (Warsawa, Poland) to investigate eco-restoration problems under the Project entitled 'Rainfall, Runoff and Soil Loss in Cherrapunji Area, Meghalaya Plateau' (III Phase)

Valuation of Community Natural Resources and Livelihood Systems. Prof. A.C. Mohapatra (PI), Prof. B.S.Mipun, Prof. D.K. Nayak, Dr. L.Cajee and Ms. P.K. Ryngnga. Rs. 39.20 Lakhs, UGC (under UPE).

Landslide Mapping/Erosional Aspects, Vulnerability and Risk Assessment of Shillong Urban Area with Special Reference to Umshing Micro Watershed. Prof. B.S.Mipun, (PI) Rs. 7.31 Lakhs, DST, New Delhi.

New

Development of Data on Rainfall, Runoff and Soiulloss Estimating SDSS for Extremely Humid Areas of the Central Meghalaya Plateau, Prof. S.Singh (PI), Dr. H.J.Syiemlieh (Co-PI) 27.64 Lakhs, DST, New Delhi.

Studies on Health Status and Demographic Pattern of Population around Domiasat Area, West Khasi Hills, Meghalaya, Prof. B.Kharbuli (PI) Prof. D.K.Nayak (Co-PI) and Prof. B.S.Mipun (Co-PI) Rs. 54,49,600/-, BRNS, Mumbai.

Growth of Informal Sector and its Repercussion: A Case Study of Shillong, Dr. P. K Ryngnga (PI) Rs. 10,000 SAP (DRS-II).

Preparation of Maps/digital data under NRC-LULC-50K, Prof B.S. Mipun (PI), Rs. 2,21,000/-NESAC, Shillong.

Academic/Professional Collaboration :

Indo- Polish Collaborative Research Program under DST (New Delhi)-and KBN (Warsawa, Poland) to investigate Run off, Rainfall and Soil Loss in Cherrapunji Area, Meghalaya Plateau (III Phase)

Collaborative Research with NESAC, Shillong under MoU for Preparation of Maps/digital data under NRC-LULC-50K

Honours/Awards/Recognition :

Prof. D. K. Nayak appointed as member, Joint National Committee of International Union of Geology & Geodesy and International Geographical Union for a period of four years w.e.f. January, 2008.

Prof. D. K. Nayak appointed National Correspondent, International Association of Volcanology and Chemistry of the Earth's Interior (IAVCEI) for a period of four years w.e.f. January, 2008.

Other activities :

Prof. A.C. Mohapatra (a) appointed co-ordinator of UGC SAP (DRS-Phase II) (b) Course Coordinator, UGC Refresher Course on Emerging Frontiers of Geography, 3-23 August, 2007 (c) Convenor, National Seminar on "Natural Resources, Traditional Practices, Livelihoods and Poverty with Special Focus on North Eastern Region of India" March 24-25, 2008, Department of Geography, NEHU, Shillong (d) Convenor, One-day workshop on SPSS-16 for users in various University Departments held on 29th March, 2008, Department of Geography, NEHU, Shillong.

Prof Surendra Singh (a) Convener, User Workshop on Development of Data Generation on Rainfall, Runoff and Soil Loss Estimating SDSS for Extremely Humid Areas of the Central Meghalaya Plateau, Department of Geography, North Eastern Hill University, Shillong, on 23rd April 2007 (b) visited Polish Academy of Sciences, Warsawa, Poland under Indo Polish Research Collaborative Program (DST-KBN), 10-21 October 2007 (c) attended Conference on "Warsawa Regional Forum 2007 – Contemporary Dilemmas of Spatial Development in Europe", Institute of Geography and Spatial Organization, Polish Academy of Sciences, Warsawa, 19-20 October, 2007 (d) was Guest of Honour, Inaugural Session, Conference on Demographic Dynamism in North East India Department of Geography, J. B. College, Jorhat, 7-9 December 2007 (e) delivered a series of Lectures on 'Quantification in Geography, Visiting Professor, Department of Geography, Punjab University, Chandigarh, 16 - 25 February, 2008. (f) honoured as Chief Guest in the Inaugural Ceremony of the Refresher Course in Geography at

Himachal University, Shimla and delivered a lecture on the Perspective on the Nature of Geography on 18th Feburary 2008.

Prof. B.S.Mipun (a) attended Workshop on EDUSAT based Distance Learning for "RS, GIS & GPS" – Experience & Future Plans, June 01, 2007 IIRS (NRSA), Dehradun (b) attended as a resource person the Regional Workshop on Map Learning Programme, 11-14 August, 2007, Nagaon Girls College, Nagaon. SSEAEP, DST (c) attended Japan Lacrosse Association sponsored Lacrosse Clinic in Tokyo, Japan from 5-10 December, 2007 (d) attended BRNS sponsored Technical Programme on "Bsaeline Studies on Proposed Uranium Mining Site at K.P. Mawthabah", Guwahati 13-15 March, 2008 (f) appointed Deputy Co-ordinator, UGC Special Assistance Programme (DRS Phase-II).

Prof. D. K. Nayak (a) attended the INSA Committee meeting on 3rd October, 2007 on four International Years and presented a report on status of Geography to the International Year of Planet Earth (b) Convenor XXVI National Seminar on Hydrology with a Special Colloquium on Rainfall versus Water Resources in North-East India in association with Association of Hydrologists of India, 26-28 October, 2007 (c) attended INSA joint National Committee on IUGG and IGU on 13th March, 2008 as a member and presented a status report on Progress of Indian Geography in the preceding four years (d) attended Indian National Science Academy Sponsored National Seminar on "Science and Society" INSA, New Delhi, 13-14 March, 2008

Dr. L.Cajee was the Organising Secretary, Workshop on Developmental Priorities for Meghalaya, 5-6 October, 2007, Shillong Club, Shillong

Dr. H.J.Syiemlieh visited (a) Polish Academy of Sciences, Warsaw under Indo-Polish Collaborative Programme (DST-KBN), during 10-22 October, 2007 (b) attended Conference on "Warsawa Regional Forum 2007 – Contemporary Dilemmas of Spatial Development in Europe", Institute of Geography and Spatial Organization, Polish Academy of Sciences, Warsawa, 19-20 October 2007, (c) Disaster Prevention Research Institute, Kyoto University, Japan, 1-8 February, 2008.

Dr. P. K. Ryngnga (a) obtained Ph.D. from Centre for the Study of Regional Development, Jawaharlal Nehru University, New Delhi on the Topic "Patterns of Urban Development in Shillong since Independence" in September, 2007 (b) attended Workshop on Tribal Administration, Directorate of Urban Affairs & Synsuk ki Rangbah Shnong, Shillong, 27th November, 2007; (c) imparted training to the State Government personnel of Election Department on the use of GIS (d) prepared a GIS; map on Assembly Constituencies of Meghalaya for the State Government, Election Department; (e) prepared a GIS map for Agriculture Department, State Government on Tea Plantation of Ri Bhoi CD Block.

Dr. Subrata Purkayastha was awarded Ph.D. from the Department of Geography, North-Eastern Hill University, Shillong on her thesis "Growth of Shillong Urban Agglomeration and its Impact on the Geo-Environment with Special Reference to Solid Waste Disposal and Water Supply"

Mr. K.C. Lalmalsawmzauva, Research Scholar, attended a 12 week course on "Application of Remote Sensing and GIS Technology' at National Remote Sensing Agency, Department of Space, Government of India, Hyderabad from 25 November, 2007-15 February, 2008.

Ms. Mayuri Das, Research Scholar, attended a 4 Week Course on GIS and Remote Sensing at Regional Research Laboratory, Jorhat, Assam.

DEPARTMENT OF RURAL DEVELOPMENT AND AGRICULTURAL PRODUCTION

Head : Prof. S C Srivastava
Telephone : 03651-221407 (O), 09436313379 (R)
E-mail : subhash58nehu@yahoo.co.in

Thrust area of research : The Department mainly concentrates on multi-disciplinary research in the areas of rural development, food security, marketing of rural products, agronomy, horticulture and animal science.

Brief Statement of Academic Activities : Being multidisciplinary in nature the Department undertakes both teaching and research in the areas concerning rural development, agronomy, horticulture and animal science. The Department provides both theoretical and practical exposure to M.Sc. (RDAP) students in various areas relating to the multidisciplinary P.G. programme within the stipulated time. In addition to this, the Department is also involved in doing Commissioned research and other projects. The Department has started the Ph. D. Programmes in 2007-08. Besides, the Department also started a Students' Outreach Programme in 2007-08 under which the third semester and fourth semester students assist the local NGOs as resource persons and interact with the villagers on issues pertaining to implementation of developmental programmes.

Faculty :

Professors	: S C Srivastava, M.A.,Ph.D. (Alld.)
	Rakesh Mohan, M.A.,Ph.D. (BCKU)
Reader	: L.R.Saha, M.Sc.,Ph.D. (RAU)
Lecturers	: S.K.Nanda, Ph.D. (JNU)
	J.P.Jaiswal, M.Sc (Alld.)
	B.K. Mishra, M.Sc.,Ph.D.(BHU)
	B. Mathew, M.Sc.,Ph.D. (BCKU)

Student intake : Enrolment capacity: 20

Actual Admission	SC	ST	Genl	Male	Female	From Meghalaya	Outside
M.A/M.Sc.	-	20	-	8	12		
Ph.D.	-	3	-		2		1

Degrees Awarded : 13

Actual Admission	SC	ST	Gen	Male	Female	Total
M.A./M.Sc.	-	13	-	4	9	13

Placement of Students : Through CAPART four students got placement in NGO sector.

Courses conducted : M.Sc. In Rural development and Agricultural Production.

Study Tours/field trips of students :
As part of course curriculum students visited one village every fortnight for learning, PRA and research methods.

Dr. Binu Mathew took the Students of 3rd Semester to Hyderabad, Bangalore and Mysore during 6-8 February, 2008 to study the activities and innovations in the field of Horticulture, Animal Husbandry and Rural Development.

Seminars/Conferences/Symposia/Workshops/Extension Programmes etc : Attended

Dr S C Srivastava (i) Participated as a resource person in One day Consultation on "Areas of Cooperation Collaboration for Rural development Policy Formulation (18th July, 2007) organized by National Institute of Rural development, Hyderabad. (ii) Presented paper entitled "Redefining Water Regimes for Growth: An Impact Assessment of Watershed Approach" in National Workshop on "Dynamics of Watershed Development & Sustainable Livelihoods (December 26-28, 2007) organized by National Institute of Rural Development, Hyderabad.

Publications :
Journal Published in India

Mishra, B. K. and R.K. Pandey. 2007. Quality of Pasteurized Milk by Micro-wave Oven. *Indian Journal of dairy Sciences.* 12: 1-6.

Mathew, B. 2007. Black pepper- A Potential Intercrop for Arecanut Plantations of Garo Hill. *Spice India*, 52: 32-33.

Saha, LR and Binu Mthew. 2007. Integrated Management of Betelvine Diseases. *Science vision*, 7: 68-69.

Book and Book Chapters

Radhika, C.H. S C Srivastava and V Suresh Babu. 2007. Risk, Vulnerability and Coping Mechanism in Rainfed Agriculture: A Study in Three States. National Institute of Rural development, Hyderabad, 134 pages.

Srivastava, S. C. 2007. Community Preferences on Changes in Shifting Cultivation: A Case Study From Manipur, India. In: Shifting Agriculture in Asia: Implications for Environmental Conservation and Sustainable Livelihoods; Bishen Singh Mahendra Pal Singh, Dehradoon, pp. 225-230.

Funds received from agencies other than NEHU :

DRDA, Tura 25 Lakhs.

Infrastructure facilities : Four laboratories of horticulture, agronomy, soil science and animal science were established for M.Sc. students.

Research Projects :

New

i) Village Knowledge Connectivity, PI: S C Srivastava, Rs. 25 Lacs,, DRDA, West Garo Hills, Tura.

ii) District Planning Under Backward Regions Grant Fund, PI: S C Srivastava, Rs. 2.5 Lacs, National Institute of Rural Development, Hyderabad.

Academic/ Professional Collaboration : The Department has undertaken professional collaboration with NIRD, Regional Centre, Guwahati and NIRD, Headquarters, Hyderabad, CAPART& IAMR, New Delhi, SIRD, Guwahati, ICAR Research Complex for NEH Region, Barapani for improvement of techniques relating to Rural Development and Agricultural Production. The Department has also developed networking with the local level NGOs where the third and fourth semester students work as resource persons and interacting directly with the villagers.

CENTRE FOR ENVIRONMENTAL STUDIES

Head : Dr. O. P. Singh
Telephone : 2721159 (O), 2550009 (R)
E-mail : opsingh@nehu.ac.in

Thrust area of research : Biodiversity Conservation, Environmental Monitoring, Forest Management, Environmental Impact Assessment, Environmental Biology, Integrated Pest Management (insect/pest), Geophysical study of NE Region, Policy Oriented Research on Forest and Environment and Water Shed Management.

Brief statement of academic activities : During the year under report, the Centre undertook several research projects aimed at creating much-needed database for promoting ecologically sound development of the hill regions of northeast India. A number of national and international agencies like Department of Science and Technology, New Delhi; Ministry of Statistics and Programme Implementation, New Delhi; Department of Atomic Energy; Centre for International Forestry Research, Bogor, Indonesia; International Development Research Centre (IDRC), Canada; International Centre for Integrated Mountain Development (ICMOD), Kathmandu; Community Forestry International, Santa Barbara, USA; and Aus Aid, Shillong sponsored and collaborated with the Center in its research programmes. Under it's extension and outreach activities, the Centre organized a Regional level workshop on Traditional Knowledge Based Biodiversity Conservation Practices in North East India which was sponsored by United States Education Foundation in India (USEFI), New Delhi. This year the Centre received more than Rs. 79.49 Lacs grants from various external funding agencies that were used to strengthen ongoing research and extension activities and development of laboratory and other infrastructure.

Faculty :

Professors	: B.K. Tiwari, M. Sc. (DDU, Gorakh), Ph.D. (NEHU)
	L.K. Jha, M. Sc. (Bhagalpur), Ph.D. (LNMU)
Reader	: O.P. Singh, M. Sc., Ph.D. (BHU)
Lecturers	: D. Walia, M. Tech./Ph.D. (Gau.)
	D. Paul, M. Sc./Ph.D. (NEHU)
	S.S. Chaturvedi, M. Sc. (DDU, Gorakh), Ph.D. (BHU)

Student intake :

Enrolment capacity: Certificate Course: 15; Ph.D. : variable

Actual admission	SC	ST	Genl.	Male	Female	From Meghalaya	Outside
Certificate	-	12	3	5	10	14	1
Ph.D.	-	4	5	6	3	4	5

Degrees awarded :

	SC/ST	Genl.	Male/Female	Total
Certificate	-	11	1	4	8	12

Courses conducted : Fundamentals of Environmental Science and Ecological Principles; Environmental Pollution and Environmental Impact Assessment; Environmental Conservation and Environmental Problems of North-East India.

Seminars/conferences/symposia/extension programmes, etc.:

Organized

The Centre in collaboration with Bombay Natural History Society organized a workshop entitled Birds of India- Important Bird Areas(IBAs) from 14-18 December, 2007. The workshop deliberated upon the criteria for Important

Bird Areas and field methods for bird surveys. Dr. D. Paul was local coordinator for the workshop.

Attended

Professor B. K. Tiwari attended:(i) National workshop on integrating Medicinal Aromatic and Dye Plants (MADP) in forest working plan on 9-10 August, 2007 at Indian Institute of Forest Management, Bhopal and presented a paper entitled "Overview of MADP Management in North-Eastern India. (ii) International Conference on Sustainable Forest Management and Poverty Alleviation: Role of Traditional Forest related Knowledge organized by FAO, held at Kunming, People's Republic of China on 17-20 December and presented a research paper entitled Traditional Knowledge based Forest Management Practices of the Tribal People of Meghalaya (iii) Future of Forests in Asia and the Pacific: Outlook for 2020 and presented an invited plenary paper entitled 'Future of Non Wood Forest Products in Asia and the Pacific' organized by the FAO held on 16-18 October, 2007 at Chiang Mai, Thailand (iv) National level Advocacy Workshop on Farmer's Rights to Livelihoods organized by the Consumer Unity Trust (CUTS) held at New Delhi on 21 June 2007 and presented a paper on Access and Benefit Sharing and Farmers participation in decision making in Meghalaya.

Dr. O.P. Singh attended: International Conference on 'Water Resource Management: Challenges and opportunity in the 21st Century' organized by the Department of Ecology and Environmental Science, Assam University, Silchar during April 23-25, 2007 and presented a paper entitled "Challenges of Conservation of Water Resources in Mining areas of Jaintia Hills, Meghalaya".

Dr. D. Walia attended (i) XVth National Symposium on SSNTD's and Their Applications, H.N.B. Garhwal University, (21st - 23rd June, 2007) and presented papers entitled "Preliminary investigation of Radon levels in Northeastern Indian region", and "Radon level in Dwellings and associated Soil in and around Shillong agglomeration", (ii) National Workshop on trace elements research, North Eastern Hill University (4-6 March, 2008) and presented papers entitled "Trace element analysis of soils along the Darranga – Dawki profile, North Eastern India", "Physico-chemical characteristics of hot spring water from Jakrem and Spring water from Umshing East Khasi Hills" and"Assessment of environmental radon concentration of Shillong city"the "Radon-2008" (iii) Theme meeting at BARC, Mumbai, BARC, from 11-13 March, 2008 and presented a paper entitled, "Radon and Active Tectonics"

Dr. S. S. Chaturvedi attended: DST sponsored International Symposium "Recent Advances in Contemporary Biology, Environmnetal Issues and Sustainable Development" held at SKM University, Dumka, Jharkhand, September, 29-30, 2007. and presented paper entitled " Temporal change in land cover of Pathri reserve forest using remote sensing data".

Publications :

Published in India

Singh, O. P. 2007. Mining scorge in Meghalaya. *Voice Greenglobe* 1: 45-49.

Gokarn, S.G., Gupta G., Walia D., Sanabam S. S. and Nitu Hazarika, 2008. Deep geoelectric structure over the Lower Brahmaputra valley and Shillong Plateau, NE India using magnetotellurics, Geophys. J. Int., 173: 92-104.

Chaturvedi, S. S. 2007. Temporal change in land cover of Pathri Reserve Forest using remote sensing data, Proce. Int. Symp. Recent Advances in Contemporary Biology, Environmental Issues and Sustainable Development, SKM University, Dumka.

Book/ Chapters in Books

P. Kayenpaibam and Tiwari B.K. 2008. Awareness of Joint Forest Management (JFM) among women in Tripura. In: Gassah L.S. (Ed) Women Empowerment in North-East India. Omsons Publications, New Delhi, 216-227.

Tiwari B.K. 2007. Shifting agriculture: spatio-temporal patterns and processes in north-eastern India. In: Saxena K.G., L. Liang and K. Rerkasem. (Eds) Shifting Agriculture in Asia: Implications for Environmental Conservation and Sustainable Livelihood. Bishen Singh Mahendra Pal Singh, New Delhi, 17-32.

Walia, D., Sanabam, S. S., Lyngdoh, A. C., Saxena, A. and Syiem, S. M., 2008. Identifying the Active Fault Zones in the Shillong Plateau Using Geophysical Data, In: S. Singh et.al. (eds.) *Environmental Changes and Geomorphic Hazards,* Bookwell, New Delhi. Pp. 177-192

Funds received from agencies other than NEHU :

Centre for International Forestry Research (CIFOR), Indonesia Rs. 10.76 Lac
Department of Science and Technology (DST) Rs. 7.2 Lac
UGC under UPE Programme Rs. 14.49 Lac
Department of Atomic Energy Rs. 45.55 Lac
Meghalaya Urban Development Agency Rs. 1.50 Lac

Infrastructure facilitates : Digital Sound Level Meter, Global Positioning System Instrument, Computers, Printers and peripherals were added to the existing facilities of the Centre

Research projects :

Ongoing

(i) Forest Product Marketing, Livelihood links and Potential for Growth in Meghalaya. . Principal Investigator Prof. B.K. Tiwari. Centre for International Forestry Research (CIFOR), Bogor, Indonesia. US$ 20,000

(ii) Environmental Impact Assessment and Environmental Management Plan for New Shillong Township. Meghalaya Urban Development Agency, Shillong, Meghalaya. Principal Investigator Prof. B.K. Tiwari. Rs. 5.00 lakhs
(iii) Forest Poverty Interactions in Rural Meghalaya. Principal Investigator Prof. B.K. Tiwari. Centre for International Forestry Research (CIFOR), Bogor, Indonesia. US$ 10,000.
(iv) 'Environmental Accounting of Natural Resources of Meghalaya: Phase-I Land and Water Resources' Principal Investigator- Dr. O. P. Singh, sponsored by Central Statistical Organization, Ministry of Statistics and P.I., Govt. of India, New Delhi.
(v) 'Study of Forest, Soil and Water Resources and their Utilization and Management in Tribal Societies of NE India' Principal Investigator- Dr. O. P. Singh, sponsored by University Grants Commission, New Delhi under Area Studies of University with Potential for Exellence Programme to NEHU, Shillong
(vi) Age, Sr – Nd dating and Paleomagnetic studies on Alkaline complexes from Maghalaya and Assam, NE India. Rs. 7.2 lakhs. P.I. Dr. D. Walia, D.S.T. New Delhi.

New

(i) Structural Mapping of the area around South of Tailing pond site, Domiasiat.Rs. 9.12 Lakhs Dr Devesh Walia DAE-BRNS
(ii)Hydrogeological studies of the proposed uranium mining tailings dam site at Domiasiat., Dr Devesh Walia DAE- BRNS, Rs. 35.83 lakhs.

Completed

Geophysical Studies in the NE Region using the Magnetotelluric techniques. P.I. Dr. D. Walia Department of Science & Technology, New Delhi; Rs 18.00 lakhs.

Academic/Professional Collaborations :

Prof. L. K. Jha was accepted to work as member of the Editorial Board and Reviewer of Two Journals entitled (i) Journal of Environmental Science and Technology and (ii) Journal of Environmental Sciences published by Academic Journals, New York, USA. Professor Tiwari has a collaborative research programme with the Center for International Forestry Research, Bogor, Indonesia on the topic of Forest Product Marketing , Livelihoods and Linkages with Poverty. Dr. D. Walia collaborated with BARC, IIG, Navi Mumbai, and NGRI, Hyderabad.

Honours/Awards/Recognition :

Dr. S.S. Chaturvedi was awarded Prof. E. P. Odum Memorial Gold Medal for the year 2007 by the International Society for Ecological Communication, India.

Prof. B.K. Tiwari was appointed as Chairman of State Environmental Appairaisal Expert Committee for the State of Meghalaya by the Ministry of Environment and Forest, Government of India under Environmental

Protection Act – 1986 and also re-appointed as member of the Catchment Area Advisory Board, Government of Meghalaya constituted under Protection of Catchment Area Act – 1991 of Government of Meghalaya.

Other activities :

Dr. O. P. Singh re-appointed as Head, Centre for Environmental Studies, NEHU w.e.f. 17.12.2007 for a period of three years. Dr. Singh attended (i) International Workshop on "National River Linking Project: The Strategic Analysis of Hydrological, Social and Ecological Issues" organized by the International Water Management Institute (IWMI), New Delhi during October 9-10, 2007 at New Delhi; (ii) Technical Monitoring Committee meeting of INCD Sub-Committee- III on 'Flood Management, Drainage and Environmental Impacts' organized by the Central Water Commission, Ministry of Water Resources, Govt. of India at New Delhi on November 12, 2007 at New Delhi and presented a research proposal entitled 'Impact of Mining on Water Resources in Jaintia Hills, Meghalaya; and (iii) Workshop on Land Use Land Cover Dynamics and Impact on Human Dimension organized by the National Remote Sensing Institute, Hyderabad on December 10, 2007 at Hyderabad. He also delivered two lectures entitled (i) 'Environmental Impact Assessment: A tool for protection of Environment' and (ii) 'Water Resources: Use, Abuse and Conservation' in Refresher Course in Geography organized by the Department of Geography, NEHU, Shillong on August 2 and 3, 2007, and six lectures entitled (i) 'Environment and Contemporary Environmental Issues, (ii) Environmental Pollution: How to resolve the Issue?, (iii) Water Resources: Stock, Use, Abuse and Management, (iv) Environmental Impact Assessment: A tool for protection of Environment, (v) Understanding Climate Change and (vi) Combating Climate Change: International Initiatives' in Refresher Course in Zoology organized by the Department of Zoology, University of Allahabad, Allahabad during January 25-27, 2008.

Prof. B. K. Tiwari was resource person in the Interactive workshop on Agrobiodiversity Hotspots and Access and Benefit Sharing organized by the National Biodiversity Authority, Chennai at Shillong on 10 July 2007.

Prof. L. K. Jha delivered one lecture on the topic entitled "Rural Development: Need to introduce integrated technology to control biophysical problems of land and improve socioeconomic condition of farmers in northeast India." in the refresher course organized by the Department of Geography, NEHU, Shillong. He was guest lecturer in Department of Geography and taught two units of the course GE-401 – Environmental Geography.

Dr. D. Walia delivered the following lectures entitled (i) "Seismology – Occurrence & causes of earthquakes, Faults, Lineaments, seismotectonic units of India, Propagation of earthquake waves, Magnitude, Intensity, Focus, Epicenter, Characteristics of Earthquake motion", (ii) "Earthquake effects & earthquake damage- Grades of Damage G1 to G5, Damage Survey Forms", (iii) as resource person in Training Module for Training of District Master

Trainers on Hazard Specific (Earthquake) at Meghalaya Administrative Training Institute, Shillong, Govt. of Meghalaya during 20-21 August, 2007 and (i) Earthquake risk & Hazard profile of North East"and (ii) . "When the next BIG is due? – Seismotectonic features of North East as resource person in Training on "Earthquake Risk Mitigation and Management" organized by NIDM, Ministry of Home Affairs, Govt. of India in association with MATI and NEHU at Meghalaya Administrative Training Institute, Shillong, Govt. of Meghalaya (22^{nd} -24^{th}. October 2007).

Dr. S.S. Chaturvedi successfully completed a training course in "RS & GIS Application in Forestry and Ecology" (from 07.05.2007 to 29.06.2007) conducted by Indian Institute of Remote Sensing (IIRS), Deradun, organized on behalf of National Natural Resource Management System (NNRMS)-Indian Space Research Organisation, Bangalore.

The Centre observed 'World Environment Day' on June 5, 2007 by organizing Lecture and Essay and Painting competitions; and 'Sadbhavana Day' on August 20, 2007. Faculty members and students of the Centre participated in the events.