

## II SCHOOL OF HUMAN AND ENVIRONMENTAL SCIENCES

The year under report was quite eventful for the School of Human and Environmental Sciences, which comprises the departments of Anthropology and Geography, and the Centre for Environmental Studies. First, there was significant improvement in faculty position with several faculty members getting promotion and a few new faculty members joining during the year. Two, several collaborative and/or consultative works were taken up or continued with other institutions of repute in the country as well as outside. Third, there were several indications during the year of the recognition of expertise in the departments and the Centre under the School in the form of offers for collaboration as well as consultation. Fourth, quite a large number of students were awarded the degrees of M.Phil and Ph.D during the year. Finally, it is evident from the list of publications, seminar attended/organised and other academic activities that the faculty members were productive.

### DEPARTMENT OF ANTHROPOLOGY

Besides the normal activities of the department like teaching and research one faculty member was engaged as a consultant in a World Bank project and another delivered several lectures at the Unit for Cultural and Literary Studies. Two of its research students were awarded PhD degree. The most exciting part of the year came when almost all the faculty members were promoted to higher positions and two new members joined the faculty, making the department one of the mid-sized departments in the University.

**Head:** Professor H. Lamin

**Faculty:**

Professors	T. B. Subba, M.A., Ph.D (N. Bengal) H. Lamin, M.A., Ph.D (NEHU) J. Brouwer, M.A., Ph.D (LEIDEN)
Readers	L. Zehol, M.A., Ph.D (NEHU) R. Khongsdier, M.Sc., Ph.D (NEHU) D.K. Limbu, M.Sc., Ph.D (NEHU)
Lecturer	V. Pakyntein, M.A., M.Phil (Delhi)

**Student intake:** (a) Enrolment capacity = 25

(b) Actual Admission = SC/ST/Genl. Male/Female Total

22 1 9 14 23

**Degree awarded:**

PhD

Akummenba Jamir. "Nutritional Status and Physical growth of Mokokchung District, Nagaland." Supervisor: Prof H.Lamin and Joint Supervisor: Prof. R.K Pathak of Panjab University, 2001.

Adino Vitso. "Customary Law and Women among the Chakesang Nagas: A Case Study of Khezhakenoma Village." Supervisor: Dr. L.T. Zehol, 2002.

#### **Courses conducted:**

Cultural Anthropology, Palaeoanthropology, Ecological Anthropology, Indian Prehistoric Archaeology, Linguistic Anthropology, Anthropology of Northeast India, Biological Anthropology, Demography and Biostatistics, Human Genetics, Human Growth and Development, Human Ecology and Adaptation, Practical in Advanced Physical Anthropology- I, Anthropological Theories, Anthropological Methods, Anthropology in India, Social and Cultural Change, Development Anthropology, Medical Anthropology, Economic Anthropology, Population Biology, Dental Anthropology, Practical in Advanced Physical Anthropology-II, Fieldwork and Dissertation.

#### **Seminars/Conferences:**

Professor T B Subba attended the following seminars :

- a. Rights, Claims and Entitlements: Annual Conference of the Association of Social Anthropologists of the UK and the Commonwealth, organised by the AFRAS, University of Sussex, UK (March 30-April 2, 2001). Paper: "Reproductive Rights in a Matrilineal Society".
- b. Human Movement and Settlement: Crisis and Dimensions of Displacement in Eastern and North-Eastern Region of India, organised by the ICSSR-NERC, Shillong (July 12-13, 2001). Paper: "Being a Nepali in the Northeast: Predicament of a 'privileged' Nation".

**Visiting Professor/Fellow:** Professor Jan Brouwer has joined the Department as Visiting Professor for three years.

#### **Publications:**

Brouwer, Jan. 2002. Multiculturalism as a modern and an indigeneous concept in India. In Kushal Deb, ed. *Mapping Multiculturalism*. Jaipur: Rawat Publications, 276-94.

Ghosh, A.K. and D.K.Limbu. 2001. The Samsa: A Biodemographic Study. In S.Sengupta, ed. *Tribal Studies in North East India*. New Delhi: Mittal Publication.

Khongsdier, R. 2001. Body mass index of adult males in 12 populations of Northeast India. *Annals of Human Biology*, 28 (4): 374-83.

Khongsdier, R., A.Nsarangbe and A. Phimu. 2001. A Bio-Anthropological Study of the Pnars of Jatinga in North Cachar Hills of Assam. *Journal of the Indian Anthropological Society*, 36: 213-23.

Khongsdier, R. 2002 Fertility and Mortality Differentials among the War Khasi of Meghalaya. In S. Sengupta, ed. *Tribal Studies in North East India*. New Delhi: Mittal Publications, 147-60.

\_\_\_\_\_. 2002. Nutritional Status of the Kaibarta of Assam. In I. Barua, S. Sengupta and D. Dutta Das, ed. *Ethnic Groups, Cultural Communities and Social Change in Northeast India*. New Delhi: Mittal Publications, 273-83.

Lamin, H. 2001. Khasi-Jaintia Self-Assertion. *Journal of the Indian Anthropological Society*, 36: 185-7.

Subba, T.B. 2002. One or many paths: Coping with the Tibetan Refugees in India. In C. Johshua Thomas, ed. *Dimensions of Displaced People in North-East India*. Delhi: Regency Publications, 131-48.

**Fieldwork:** Dr. R. Khongsdier took the IVth Semester students for their fieldwork training to Ri Bhoi District of Meghalaya during January 7, 2002 to January 24, 2002.

**Thrust Area of Research:**

Socio-cultural and biological studies of the peoples of Northeast India.

**Research programmes/projects:**

Ongoing

1. The Indian Face: Race and Nationality in Twentieth Century India. Researcher: Professor T B Subba.

**Other activities:**

Prof. T.B. Subba served as the Bridge Consultant to the World Bank funded Technician Education Project in the states of Jammu & Kashmir, Andaman & Nicobar Islands, Meghalaya, Mizoram, Nagaland, Sikkim, and Tripura. Ms V.Pakyntein attended the refresher course in Anthropology conducted by Manipur University, Imphal, from 20th September to 15<sup>th</sup> October 2001.

## CENTRE FOR ENVIRONMENTAL STUDIES

The year under report has been quite eventful. A number of national institutions and agencies approached the Centre for collaboration and sponsorship of their research programmes. The Centre could take up a collaborative research with the Indian Institute of Science, Bangalore in the field of Ecological and Economic Assessment of Joint Forest Management in Tripura. The Centre was identified as Executing Agency for preparation of Strategy and Action Plan for Conservation of Biodiversity in Nagaland. The Uranium Corporation of India Ltd, Jaduguda approached the Centre for conducting Environmental Studies in the West Khasi Hills, Meghalaya. Many students who passed the Certificate Course in Environmental Science have joined M.Phil and Ph.D programmes in the sister departments of the School of Human and Environmental Sciences. Thus they are using their training in Environmental Science in pursuing higher research. The number of applications received for admission in Certificate Course is increasing year after year. This shows that the course offered by it is becoming increasingly popular among the students of the region. All this indicates that during this year the Centre has made significant

strides towards achieving its objectives by way of conducting needbased or clientoriented research and by developing human resources in the field of environmental science.

**Head:** Professor B K Tiwari

**Faculty:**

Professor B.K. Tiwari, M.Sc (Gorak.), Ph.D (NEHU)

Reader O.P. Singh, M.Sc, Ph.D (BHU)

Lecturer S.K. Barik, M.Sc, Ph. D (NEHU) (till 10.9.2001)

**Student intake:** (a) Enrolment capacity: 10

(b) Actual admission: SC/ST/Genl. Male/Female Total

10 - 2 8 10

**Funds received from agencies other than NEHU/UGC:**

(a) Indian Institute of Science, Bangalore- Rs. 3,00,000/-

(b) Department of Forest, Environment and Ecology & Wildlife, Government Of Nagaland, Kohima- Rs 1,87,650/-

**Course conducted:** Certificate Course in Environmental Science

**Seminars/conferences:**

Organised

1. Co-organised a training workshop on Microplanning for the forest officers of Mizoram on 17-19 April 2001 at Aizawl, Mizoram.
2. Co-organised workshop on Evaluation and Monitoring of Afforestation and Ecodevelopment Projects on 10-11 September 2001 at NEHU, Shillong.
3. Co-organised workshop on Strategies for Management of Jhumlands on 11-12 October 2001 at Shillong.
4. Co-organised workshop on Microplanning in Meghalaya on 19-22 February 2002 at Tura, Meghalaya.
5. Organised workshop on State level Biodiversity Strategy and Action Plan for Nagaland on 27 February 2002 at Dimapur, Nagaland.

Attended

Prof. B.K.Tiwari participated in the training workshop on Microplanning held at Aizawl on 17-19 April 2001 and presented a paper entitled 'Participatory Rural Appraisal and Microplanning for Joint Forest Management'. He gave the keynote address and chaired the interactive session of the Workshop on Application of Improved Technologies for Afforestation in Northeast India held at the Rainforest Research Institute, Jorhat, Assam. He presented a paper entitled 'Status and Strategies for Conservation of community forest of Meghalaya, India' at the International Conference on Tropical Ecosystems, Structure, Diversity and Human Welfare held on 15-18 July, 2001 in Bangalore, and organised by the Association of Tree Biology, Boston, USA. He chaired a session and participated in the workshop on Evaluation and Monitoring of Afforestation and Ecodevelopment Projects of MoEF, Govt. of India held at Shillong on September 10-11, 2001. He presented a paper entitled 'Measures to Mitigate Environmental Impact of Modified Shifting Cultivation' at the

workshop on Strategies for Management of Jhumlands organised by the MoEF, Govt. of India, New Delhi held at Shillong on October 11-12, 2001. He co-chaired a session on 19<sup>th</sup> October 2001 in the Regional Science Conference organised by the Department of Geography, NEHU, Shillong. He presented a research paper entitled 'Community Conserved Biodiversity Areas of Meghalaya' at the national workshop on Community Conserved Areas in India held on 21-23 November 2001 at the Indian Institute of Forest Management, Bhopal and organised by Kalpvriksha and IIFM, Bhopal. He chaired one of the plenary sessions of the workshop on Ecological and Economic Assessment of Joint Forest Management in India held at the Indian Institute of Science, Bangalore on 21-26 January 2002. He participated as a resource person and presented a paper on 'Concept of Joint Forest Management and Participatory Rural Appraisal' at the workshop on Microplanning in Meghalaya held at Tura on 19-22 February 2002. He presented a paper on 'Biodiversity Conservation in Nagaland' at the workshop entitled State level Biodiversity Strategy and Action Plan for Nagaland held on 27<sup>th</sup> February 2002 at Dimapur, Nagaland. He participated as a resource person and presented the findings of the working group on CBNRM at the Regional Consultation Meet of International Development Research Centre (Canada) held on 5-7 March, 2002 at New Delhi.

Dr. O.P. Singh delivered lectures in the field of Genetics and Molecular Biology at the Department of Zoology, Arunachal University, Itanagar as Visiting Faculty. He also attended the Regional workshop for Prospective Principal Investigators organised by the G.B. Pant Institute of Himalayan Environment and Development (GBPIHED) and Arunachal University on 21-22 January 2002 at Itanagar. He presented his research proposal seeking financial support from the GBPIHED. He also attended the workshop on State level Biodiversity Strategy and Action Plan for Nagaland held on 27<sup>th</sup> February 2002 at Dimapur, Nagaland. He presented the draft 'Biodiversity Strategy and Action Plan of Nagaland' for its acceptance by the major stakeholders of Biodiversity in Nagaland.

Dr. S.K. Barik participated in the training workshop on "Microplanning for Joint Forest Management in Mizoram" held at Aizawl during 17-19 April 2001 and presented a paper entitled, 'Methodologies for Microplanning for Joint Forest Management'.

#### **Publications:**

Barik, S.K. and V.T. Darlong. 2001. Biodiversity conservation models from north-east India: Lessons from people's experience. In A. Arunachalam and M.L. Khan, ed. *Conservation of Biodiversity – India*. Dehradun: International Book Distributors.

Singh, O.P. 2001. Functional diversity of hnRNP proteins. *Indian J. Biochem. Biophysics*, 38: 129-134.

Tiwari, B.K. 2001. Domestication of three Non-traditional Species by Shifting Cultivators of Northeast India In IFAD, IDRC, CIIFAD, ICRAF and IIRR. *Shifting Cultivation: Towards Sustainability and Resource Conservation in Asia*. Cavite: IIRR, 98-104.

\_\_\_\_\_. 2001. Ecological and Socio-economic Impacts of Modified Shifting Cultivation in Northeast India. In: IFAD, IDRC, CIIFAD, ICRAF and IIRR. *Shifting*

*Cultivation: Towards Sustainability and Resource Conservation in Asia*. Cavite: IIRR, 105-109.

\_\_\_\_\_. 2001. Status and strategies for conservation of community forest of Meghalaya, India. In *Tropical Ecosystems : Structure, Diversity and Human Welfare (Supplement)*, Proceedings of the International Conference on Tropical Ecosystems. Bangalore: ATREE, 101-103.

\_\_\_\_\_. 2001. Aquatic Fungi: Role in Biomonitoring and Methods for Isolation. In B.K. Sharma, ed. *Water Quality Assessment Biomonitoring and Zooplankton Diversity*. Shillong: Department of Zoology, 98-110.

Tiwari, B. K., and V. T. Darlong. 2001. Biodiversity Values in Fallow Areas of Northeast India. In IFAD, IDRC, CIIFAD, ICRAF and IIRR. *Shifting Cultivation: Towards Sustainability and Resource Conservation in Asia*. Cavite: IIRR, 93-97.

**Thrust area of research:**

Biodiversity Conservation, Biomonitoring, Forest Management, and Bioresource Management.

**Research programme/projects:**

**New**

1. Assessment of the water quality of river Umkhras, Shillong in collaboration with the Meghalaya State Pollution Control Board, sponsored by the Meghalaya State Pollution Control Board, Shillong.
2. State level Biodiversity Strategy and Action Plan of Nagaland, sponsored by the Department of Forest, Environment and Ecology & Wildlife, Govt. of Nagaland, Kohima.
3. Studies on Ecological and Economic Assessment of Joint Forest Management in Tripura, sponsored by the Indian Institute of Science, Bangalore.

**Ongoing**

Regional Centre, National Afforestation and Eco-development Board, Ministry of Environment and Forests, Govt. of India, New Delhi. (A collaborative long-term programme with Department of Botany, NEHU)

**Completed**

Impact of human disturbances on buffer zone ecosystem of Nokrek Biosphere Reserve, Ministry of Environment and Forests, Government of India, New Delhi (in collaboration with Department of Botany, NEHU).

**Other activities:**

(a) Dr. O. P. Singh joined the Centre as Reader on 04.08.2001 on repatriation from Mizoram.

(b) Dr. S. K. Barik, Lecturer was released from the Centre on 11.09.2001 to enable him to join the Department of Botany, NEHU as Reader.

## DEPARTMENT OF GEOGRAPHY

During the year under report, 27 MA/M.Sc graduates have passed, 9 research scholars have been awarded M.Phil and 3 Ph.D degrees. 8 M.Phil and 10 Ph.D candidates were registered during the year. The Department conducted various collaborative research programmes including the international research collaboration with the Polish Academy of Sciences, Warsawa (Poland). Several of its faculty members were promoted during this year and all of them actively participated in various academic activities, within and without.

**Head:** Professor A.C.Mohapatra till 14<sup>th</sup> December 2001.  
Professor Surendra Singh from 15<sup>th</sup> December 2001.

**Faculty:**

**Professor** R.K.Rai, M.Sc, Ph.D (Sagar)  
R.Gopalakrishnan, M.A (Madr), Ph.D (JNU)  
A.C.Mohapatra, M.A., Ph.D (NEHU)  
**Readers** Surendra Singh, M.A., Ph.D (Meerut)  
Ali Ahmad, MA (Alig), Ph.D (JNU)  
B.S.Mipun, M.A (JNU), Ph.D (NEHU)  
D.K.Nayak, M.A., Ph.D (JNU)  
Z.H.Qureshi, MA, Ph.D (Sukh)  
**Lecturers** P.G.Momin, MA (JNU), M.Phil (NEHU)  
H.J.Syiemlich, MA, Ph.D (NEHU)  
L. Cajee, M.A., M.Phil (NEHU)

**Students intake:**

a) Enrolment Capcacity: MA/M.Sc : 32  
M.Phil : 20  
Ph.D : 15

b) Actual Admission:

	SC	ST	Gen	Male	Female	Total
MA/M.Sc.	Nil	31	1	18	14	32
M.Phil	Nil	15	4	15	4	19
Ph.D	Nil	3	6	3	6	9

**Degree Awarded:**

M.Phil

Mark Julian Ford. "Physiography and Landuse: A study of Three Watersheds on the Northern Slopes of Meghalaya." Supervisor: Professor S.Singh.

R.Zoramchhuana. "New Land Use Policy and Rural Development in Mizoram". Supervisor: Professor S.Singh.

Happiline Shangpliang. "Impact of Physiographic Conditions on Types and Pattern of Settlements in Upper Kynshi Basin". Supervisor: Professor S.Singh.

Pradip Goswami. "Language Change among Tea Garden Labourers: A Case Study of Dikorai and Pertab Ghur Tea Gardens of Assam." Supervisor: Dr.D.K.Nayak.

Namita Shyam. "Participation of Women in Economic Activities in Selected Tea Gardens of Jorhat District of Assam." Supervisor: Dr.B.S.Mipun.

Debaraj Bhattacharjee. "Ecological Potential and Spatial Distribution of Socio-Cultural Groups in Barak Valley." Supervisor: Dr.D.K.Nayak.

Abdul Hanan. "Socio-Environmental Constraints in the Growth of Small Tea Plantations in North Bengal". Supervisor: Dr.Z.H.Qureshi.

Miatmon Sooting. "Impact of Christianity on Khasi Culture". Supervisor: Dr.Ali Ahmad.

Josojit Dey. "International Trade and Geography in South Asia". Supervisor: Prof.A.C.Mohapatra.

Ph.D

Jayanta Kumar Baruah. "Geomorphic Study of Lower Subansiri Basin, Assam". Supervisor: Prof.R.K.Rai.

Shree Kant Sharma. "Geo Environmental Impact Assessment of Coal Mining in Lodna Area of Jharia Coal Field". Supervisor: Prof.R.K.Rai.

Dipak Chandra Das. "Agricultural Landuse and Productivity Pattern of Lower Brahmaputra Valley". Supervisor: Dr.B.S.Mipun.

**Fund received from agencies other than UGC:**

DST, New Delhi. Rs.5.30 lakhs.

**Course conducted:**

Geomorphology, Climatology & Hydrology, Systematic & Regional Geography of India, Introduction to Mathematical & Statistical Techniques, Cartographic Technique. Elements and Principles of Ecology, History and Philosophy of Geography, Principles and Techniques of Economic Geography, Fundamentals of Social and Cultural Geography, Settlement and Population Geography, Remote Sensing and Surveying. Environmental Science and Geography, Soil Geography, Social Geography of India, Urban Geography, Regional Structure of the North East, Remote Sensing and GIS. Bio-geography, Applied Climatology, Hydrology, Tropical Geomorphology, Advance Geomorphology, Geography of Tribes of India, Political Geography, Regional Planning, Integrated Area Planning, Agricultural Geography Project.

### **Seminar/Conference:**

Prof. R.K.Rai attended the 23<sup>rd</sup> NAGI Conference at Dr. H.S.G. University, Sagar during 28-30 December 2001 and chaired one session. He organised the DST-sponsored Contact Course on Structural Geology for young scientists from North East India from 5<sup>th</sup> to 24<sup>th</sup> Nov, 2001.

Prof. A.C.Mohapatra attended the international conference on "Sustainable Development and Sustainable Life Style" organised by the Earth Sciences Development Foundation, New Delhi, April 20-22, 2001 and presented a paper on "Can Input-Output Methodology help in assessing Sustainability in Developing countries?" He also attended the 33<sup>rd</sup> Regional Science Conference, Department of Geography, NEHU, Shillong, October 19-20, 2001 and presented joint paper on "Disparity in Literacy in the States of Arunachal Pradesh and Mizoram".

Prof Surendra Singh was the Organising Secretary of the international conference on Environment, Locational Decisions and Regional Planning held at NEHU Shillong, 5<sup>th</sup> to 9<sup>th</sup> March 2002. He chaired one session of the 33<sup>rd</sup> Regional Science Conference held at NEHU Shillong, 19-20<sup>th</sup> October 2001. He also delivered a lecture at the national seminar on Environmental Degradation and its Impact on North East India, organised by Gauhati College, Guwahati, 9-10 February 2002 on "Land degradation in humid areas".

Dr. B.S.Mipun chaired one session of the national seminar on "Resource Management and Development in the North East India, Jan 23-24<sup>th</sup> 2002, organised by Mariani College, Mariani, Assam and presented a paper entitled "Participation of Women in the economic activities and their significance in the Tea Gardens of Assam". He also participated in the international conference on Environment, Locational Decisions and Regional Planning, March 5-9<sup>th</sup>, 2002 at Shillong and presented a paper on "Landuse/landcover Detection Mapping and Identification of Shifting Cultivation Areas of Tirap District using Remote Sensing Data GIS".

Dr. D.K.Nayak: (I) Attended the XXIVth IUSSP General Population Conference, Salvador-bahai, Brazil 18-24 August 2001 and presented a paper (poster) on "Tribes and Literacy: a Geographical perspective on Spatial Patterns of Literacy in Meghalaya, India". (ii) XXIII Indian Geography Congress, Department of General and Applied Geography, Dr. H.S.Gaur University, Sagar, MP 28-30 December 2001. Paper presented: "Language Change and Shift among the Tea Garden Labourers of Assam: a case study". (iii) Seminar on Appraisal of Adult Education Programmes with special reference to the North East, Adult and Continuing Education, North-Eastern Hill University, Shillong, 14-15 June, 2001. Paper presented "Women and Literacy in India: Some Observations from 2001 Census Data. (iv) North Eastern Regional Workshop on Emerging Issues on Population and Health towards Achieving National Population Policy – 2000, sponsored by the Indian Association for Study of Population, organised by Gauhati University, Guwahati, 26-28 November 2001. Paper presented: "Disease, Health and Health Care in Meghalaya- a Geographical perspective".

Dr. Z.H.Qureshi attended the 33<sup>rd</sup> Regional Science Conference held from 19<sup>th</sup> to 20<sup>th</sup> October 2001, organised by the Department of Geography & Regional Science Association, India at Shillong and presented a paper entitled "Development Strategy for North-Eastern Hill University".

Dr. H.J.Syiemlieh attended the international conference on Environment, Locational Decisions & Regional Planning, Shillong NEHU 5-8 March 2002 and presented a paper on "Rainfall Variation in North East India".

Mr. L.Cajee attended the international conference on Environment, Locational Decisions and Regional Planning, Shillong 5-9 March 2002 and presented a paper on "Geo-Environmental Appraisal of Greater Shillong".

#### **Publications:**

Gopalakrishnan, R. 2001. *Assam: Land and People*. Delhi: Omsons. (Revised edition, paperback).

\_\_\_\_\_. 2001. *Meghalaya: Land and People (Revised edition)*. Delhi: Omsons.

Gopalakrishnan, R., C.J.Thomas, and R.K.Singh, ed. 2001. *Development Constraints in Manipur*. New Delhi: Regency Publications.

Mohapatra, A.C. 2002. Geographic Inquiry and Poverty Issues. In. R.Gopalakrishnan, ed. *Essay in Indian Geography*. New Delhi: Regency Publications, 177-186.

\_\_\_\_\_. 2002. Urban Poverty Alleviation in North Eastern States. In U.B.Singh, ed. *Revitalised Urban Administration in India*. Delhi: Kalpaz Publications, 273-291.

\_\_\_\_\_. 2002. The Structure of Urban Poverty: Urban Poor in the Hill City of Shillong. *Indian Journal of Regional Science*, 34(1): 81-87.

Nayak, D.K. and Madhumita Das. 2001. Tribal Economy and spatial pattern of Literacy in Meghalaya: A Block Level Analysis. *Man in India*, 81(1&2): 209-218.

Nayak, D.K. and Sumit Mukherjee. 2000. Prevalence of Major Diseases with special Reference to Acute Respiratory Infection Diseases in Meghalaya. *Hill Geographer*, 16 (1&2): 37-49.

Rai, R.K. 2001. Coal Mining and its Impact on Environment in Jaintia Hills, Meghalaya. In P.M.Passah and S.Sarma, ed. New Delhi: Reliance Publishing House.

Singh, S. and Deepak K.Das. 2000. Pattern of Agricultural Labour Productivity in Lower Brahmaputra Valley, Assam. *North –Eastern Geographer*, 31(1&2):35-43.

Singh, S. and H.J.Syiemlieh. 2002. Integrated Watershed Management. Monograph No. GE/Mg.Gov/Field/SS, Department of Geography, NEHU, Shillong.

Qureshi, Z.H. 2000. Land Management in the Hill Ecosystem; A case study of Yangse valley in Kameng Himalaya. *Hill Geographer*, 16(1&2): 50-58.

### **Study Tour /Field Trips:**

All India Study Tour of IInd semester MA/M.SC students to Malabar Coastal Region, 28<sup>th</sup> January – 14 February 2002, accompanied by Mr. L.Cajee.

Field Study of IInd semester MA/M.SC students at two villages of Dawki Area, Meghalaya, February 2002, accompanied by Dr. B.S.Mipun, Dr. Z. Hussain, Dr. H.J.Syiemlieh and Mr. L.Cajee.

### **Thrust Areas of Research:**

1. Environmental Studies. 2. Social, Political and Historical Geography

### **Research Programme/Project:**

1. UGC funded project "Hydrological Assessment for Optional Watershed Management in Cherrapunjee- Mawsynrem areas, Meghalaya". Principal Investigator: Prof. R.K.Rai.

2. Indo-Polish Scientists Exchange Programme with the Polish Academy of Sciences, Warsaw, on Soil Loss and Runoff in the Extremely Humid Areas of the world. Coordinator: Prof. Surendra Singh.

### **Other activities:**

A. Guest lectures :

1. Evolution of Carpathian and Himalayan Mountains by Professor L. Starkel, Polish Academy of Sciences, Krakow (Poland) Nov 2001.

2. Sediment Loss from the Watershed by Professor K.R.Dikshit, Poona University, Pune, May 2001.

B) Completed and submitted a DST-funded project report on "Geomorphic Studies and Effect of Rock mass Strength of Slope Stability on different landside prone zones of Meghalaya" by Prof. R.K.Rai.

C) Prof. A.C.Mohapatra was awarded the Professor R.N.Dubey Memorial (National) Award (2001) by Prof.R.N.Dubey Memorial Foundation, Allahabad and the Earth Sciences Development Foundation, New Delhi, April 2001 for "Contributions to Regional Planning in Hill and Tribal Areas of North East Region of India".

D) Prof. Surendra Singh :

1. Visited the Department of Geomorphology and Hydrology, Polish Academy of Sciences Krakow during July-August 2001 under Indo-Polish Scientists Exchange Programme.

2. University Coordinator: UGC sponsored Refresher Courses 2001-2002

3. Lecture delivered on "Environment and Education" at the Regional Centre, NCERT, Shillong for DIET Trainees, 28<sup>th</sup> March 2002.

E) Dr. D.K.Nayak is serving as one of the advisors to the London School of Economics and Political Science sponsored project on Crises of Governance, North-Eastern Hill University, Shillong (on going).