

CURRICULUM VITAE

DR. MUHAMMAD ASHRAF

Date of Birth 25/11/1973
Nationality Pakistani
Religion Islam
University University of Balochistan, Quetta, Pakistan
Address Department of Disaster Management and
Development Studies, University of
Balochistan, Quetta, 87300, Pakistan.
Mobile +92-318-8253430
Personal Email mashrafh75@gmail.com
Official Email



Websites' URLs

UoB <http://web.uob.edu.pk/uob/departments/Disaster-Management/Faculty.php>

Research Links

Google Scholar <https://scholar.google.co.th/citations?hl=en&user=vgUB96QAAAAJ>
ResearchGate
Scopus
Web of Science
ORCID

EDUCATION

Degree	Year	Subject	University
Doctor of Philosophy (Ph.D.)	2014	Regional and Rural Development Planning, (RRDP)	Asian Institute of Technology, Bangkok, Thailand
Master of Science (MS/M.Phil.)	2010	Regional and Rural Development Planning, (RRDP)	Asian Institute of Technology, Bangkok, Thailand
Master of Science (M.Sc.)	1998	Statistics	University of Balochistan, Quetta, Pakistan
Bachelor of Science (B.Sc.)	1995	Statistics, Mathematics, Physics	University of Balochistan, Quetta, Pakistan
Post Graduate Diploma	2002	Information Technology	COMSATS Institute of Information Technology, Islamabad, Pakistan

AREAS OF EXPERTISE

- Disaster risk reduction and management (drought, flood etc.)
- Climate change adaptation
- Project management

- Agricultural development
- Statistical Applications in Social Research
- SPSS, STATA, EXCEL etc.

RESEARCH INTERESTS

- Sustainable rural development
- Impact assessment
- Disaster risk reduction and management
- Climate change adaptations

COURSES DEVELOPED

Courses Developed for M.Phil./Ph.D. Programs at Disaster Management and Development Studies

- Project Design, Monitoring & Evaluation
- Community and Rural Development
- Advanced Research Methodology
- Disaster and Development
- Development Planning Techniques
- Gender and Development
- Applied Statistics Using SPSS

Courses Developed for M.Sc. Programs at Disaster Management and Development Studies

- Research Methodology in Development Planning (Basic)
- Introduction to Droughts and Floods
- Agricultural Development Policies
- Geographical Information system

Courses Developed for BS Programs at Disaster Management and Development Studies

- Basic Principles of Disaster Planning and Management
- Community Based Disaster Risk Management
- Research Approaches in Disaster Management
- Climate Change and Natural Hazards
- Introduction to Sustainable Development Goals (SDGs)

PROFESSIONAL EXPERIENCE

- **Associate Professor** at Department of Disaster Management and Development Studies, University of Balochistan Quetta, Pakistan (06-2023 to date)
Responsibilities include: teaching courses such as Disaster Planning and Mitigation, Development Planning Techniques, Project Design, Monitoring and Evaluation and Statistical Application in Social Research.
- **Lecturer (Statistics)** at University of Balochistan Quetta, Pakistan (06-2007 to 03-2016)
Responsibilities included: taught statistical courses such as statistical inference, probability and probability distributions, statistical methods to Master's students and supervising research work.
- **Lecturer (Statistics)** at Education Department, Government of Balochistan (2000-2007)

Responsibilities included: taught descriptive and inferential statistics such as frequency distribution, measure of central tendency, measure of dispersion, probability, correlation and regression analysis, estimation and testing of hypothesis to under graduate level.

Administrative Experience

- Chairperson Disaster Management and Development Studies
- Focal Person for Plagiarism Test (Turnitin)
- Coordinator Master of Science (M.Sc.) Program
- Coordinator Master of Philosophy (M.Phil.) Program
- Coordinator Master of Philosophy (Ph.D.) Program
- Member of the Department Admission Committee (DAC)
- Member of the Department Semester Committee (DSC)

DEVELOPMENT PROJECTS

2022 - Project 4	Donor	Funds	Duration /Status	Role
Capacity Needs Assessment (CNA) of the following Eight (08) Government Departments of Balochistan, Pakistan: 1. Anti-Corruption Establishment Balochistan.	World Bank funded via Governance and Policy Project (GPP) Balochistan	15.6 million Pakistani Rupees (PKR)	9 Months: 13 st September 2021 to 30 th June 2022 Completed	Research Specialist
2021 - Project 3				
The Capacity Need Assessment (CNA) of the Bureau of Statistics (BoS) Balochistan and Statistical Cells in the Line Departments of Government of Balochistan, Pakistan	UNDP	1.37 million Pakistani Rupees (PKR)	3 Months: 1 st October to 31 st December 2020. Completed	Technical Specialist
2019 - Project 2				
National Research Program for Universities (NRPU). Title: Vulnerability Assessment and Farmers' Coping/Adaptive Strategies Towards Climate Change in Balochistan"	HEC	Total Cost: Rs. 1,698,136	Completed	Lead
2018 - Project 1				
University of Balochistan, Title: Assessing Farm Household Vulnerability and Adaptive Measures to Drought in Killa-Abdullah District of Balochistan Province.	University of Balochistan	Rs. 1,96,730	Completed	Lead

THESIS/DISSERTATION

Ph.D. Dissertation (2014)

- **Thesis Title:** Drought Assessment, Impacts and Farmers Livelihood Coping Mechanism in Balochistan Province Pakistan
- **University:** Regional and Rural Development Planning, School of Environment, Resources and Development, Asian Institute of Technology, **Thailand.**

M. Phil Thesis (2012)

- **Thesis Title:** Assessment of Social Well-being in Balochistan: An Inter district Assessment
- **University:** Regional and Rural Development Planning, School of Environment, Resources and Development, Asian Institute of Technology, **Thailand (3.65 CGPA)**

PUBLICATIONS

International Refereed Journal Articles

2024

1. Farhana Amir Ali, Ghulam Murtaza, **Muhammad Ashraf**, Sumra Sajida Tufail, (2024) "Selection of an Appropriate Technology for Hospital Waste Management in Quetta City, Pakistan", Journal of Hazardous, Toxic, and Radioactive Waste, Volume 28, Issue 4. <https://doi.org/10.1061/JHTRBP.HZENG-1289>. (X–Category, IF: 2.1)
2. Kaleemullah, Ghulam Murtaza, **Muhammad Ashraf**, Shameem Alam, Inam Ul Haq, (2024) "Effectiveness of Environmental Impact Assessment (Eia) In Urban Development: A Case of Quetta Metropolitan City, Pakistan", Journal of Xi'an Shiyou University, Natural Sciences Edition, Vol: 67 Issue 06, DOI: 10.5281/zenodo.12295545. (X–Category)
3. Salman Essa, Ghulam Murtaza*and **Muhammad Ashraf**, (2024) "Enhancing Disaster Resilience through Disaster Education: A Case Study of District Kech, Balochistan," Annals of Human and Social Sciences, Vol. 5, No. 4; Pp: 494-505. (Y–Category)
4. Jahangir Khan, Dr. Muhammad Ashraf, Dr. Ghulam Murtaza, Gulshan Ghafoor, (2024) "Impact Of Coal Mining In Modification Of Rural Livelihood: A Case Study Of District Duki Balochistan." Harf-o-Sukhan, Vol. 8, No. 1. Pp: 606-614. (Y–Category)

2023

5. Raheem A., Murtaza G., Asharaf M., Ainuddin S., Baber J. R., Jamal-ud-Din, Agha S. A., Malik, A., (2023), "Earthquake Survivors And Depression Development: A Case Study Of 12 Years Later Ziarat Earthquake, Balochistan", Journal of Positive School Psychology, Vol. 7 Issue 2;Pp: 489-500. (X–Category)

6. Nisar Ahmed, Muhammad Ashraf, Ghulam Murtaza, Syed Ainuddin, Jamal-Ud-Din, Jamil-Ur-Rehman Babar, (2023) "Farmers' Perception about Drought and Climate Change in North-West Region of Balochistan, Pakistan", Journal of Jilin University (Engineering and Technology Edition), Vol. 42, Issue 02. Pp: 510-521 **(X–Category)**
7. Shami, U. T. ., Murtaza, G. & Ashraf, M. (2023) "Analysis of man-made Disasters and creating Resilience in the Pakistani society", Journal of Social Sciences Advancement, Vol. 4 Issue 01. Pp: 1-6. **(Y–Category)**
8. Sanam Malik, Dr. Muhammad Ashraf, Dr. Ghulam Murtaza, (2023) "Socio-Economic Impacts of Climate Change on the Coastal Areas of Balochistan", Journal of Development and Social Sciences, Vol. 4, No. 2, pp: 1026-1035 [http://dx.doi.org/10.47205/jdss.2023\(4-II\)90](http://dx.doi.org/10.47205/jdss.2023(4-II)90) **(Y–Category)**
9. Farhana Amir Ali, Dr. Ghulam Murtaza, Dr. Muhammad Ashraf, (2023). "A Comparative Study of Hospital Waste Management at Public and Private Hospitals of Quetta City, Pakistan", Journal of Development and Social Sciences, Vol. 4, No. 4. [https://doi.org/10.47205/jdss.2023\(4-IV\)65](https://doi.org/10.47205/jdss.2023(4-IV)65). Pp: 728-739 **(Y–Category)**
10. Arshad, A., Ashraf, M. ., & Murtaza, G. (2023). Logistics and Rescue Operations, Role of Aviation in Disaster management in Pakistan: Logistics and Rescue Operations, Role of Aviation in Disaster management in Pakistan. Journal of Geography and Social Sciences (JGSS), 5(2), 91–106. Retrieved from <http://jgssjournal.uob.edu.pk/journal/index.php/jgss/article/view/30>
11. Zehri, A. U., Murtaza, G., Ashraf, M., Raheem, A., Jamal-ud-Din, (2023) "Analysis of Remittances Impact on Migrants' Household Socio-economic Development: A Case Study of District Kech, Balochistan" Journal of Geography and Social Sciences, (Accepted, in Press). **(Z–Category)**

2022

12. Chaiya, C., Panezai, S., Saqib, S. e., & Ashraf, M. (2022). Satisfaction of Tuberculosis Patients with Directly Observed Treatment Strategy under Pakistan Healthcare Policy: A Mixed-method Study. Healthcare, 10, 2529. **(W–Category, IF=3.160)**

2021

13. Rabeeya Raoof, Rabia Rasool, Javeria Sattar, Usman Taj Shami, Ghulam Murtaza, **Muhammad Ashraf**, Qurban Ali, Arif Malik. Evaluation of disaster risk management structure of Pakistan with emphasis on man-made disaster. PalArch's Journal of Archaeology of Egypt/ Egyptology. Vol 18 (9). (2021) (X-Category).
14. Muhamad **Ashraf**, Adnan Arshad, Praharsh M. Patel, Adeel Khan, Huma Qamar, Ristina Siti Sundari, Muhammad Usman Ghani, Ali Amin & Jamilur Rehman Babar. Quantifying climate-induced drought risk to livelihood and mitigation actions in Balochistan. Natural Hazards 109, pages 2127–2151 (2021) IF: 3.158 (W Category)
15. Amanullah Mengal, Katsuichiro Goda, **Muhammad Ashraf** & Ghulam Murtaza. Social vulnerability to seismic-tsunami hazards in district Gwadar, Balochistan, Pakistan. Natural Hazards 108, pages 1159–1181 (2021) IF: 3.158 (W Category)

2020

16. Amanullah Mengal, **Muhammad Ashraf**, Katsuichiro Goda, Ghulam Murtaza and Hashim Durrani. People's Risk Perception of Tsunami Hazard in a Development District of Balochistan, Pakistan: The Case of Gwadar. Pakistan Geographical Review (2020), Vol 75 (1). p 264 – 283.
17. Qasim Mumtaz, **Muhammad Ashraf**, Uzma Mukhtar. Role of Human Resource for Effective Disaster Management in Hyderabad Division, Sindh. Pakistan Geographical Review (2020), Vol 75 (1). p 10 – 30.
18. Syed Nadir Shah, **Muhammad Ashraf**, Syed Ainnudin. Assessing the Psychological Effects of Terrorism on Individual and Communities in Quetta District, Balochistan. Pakistan Studies Research Journal (2020), Vol 11 (01). p. 240 – 254
19. Iqbal Tareen, **Muhammad Ashraf**, Muhammad Rahim Nasar. Assessment of Poverty Determinants among the Rural Households of District Harnai, Balochistan. Pakistan Studies Research Journal (2020), Vol 12 (02). p. 358 – 379
20. **Muhammad Ashraf**.. Farmers' coping and adaptive strategies towards drought in Pishin district, Balochistan. Journal of Geography and Social Sciences (2020), Vol 1 (1). p. 1 – 16
21. Shaista Khan, **Muhammad Ashraf** and Sanaullah Khan. Assessment of Drought Occurrence in Zhob District using Standardized Precipitation Index from 1981 - 2018. Journal of Geography and Social Sciences (2020), Vol 2 (2). p. 110 – 121

2019

22. Adnan Arshad, **Muhammad Ashraf**, Ristina Siti Sundari, Muhammad Wajid, Huma Qamar, and Mahmood ul Hasan: Vulnerability assessment of urban expansion and modelling green spaces to build heat waves risk resiliency in Karachi. International Journal of Disaster Risk Reduction (2019). Vol 46 (2020). <https://doi.org/10.1016/j.ijdrr.2019.101468> (IF=4.842, W Category)

23. Shaista Khan, **Muhammad Ashraf** and Iqbal Tareen. An Integrated Approach Towards Drought Risk Reduction in Balochistan, Pakistan. *Journal of Education and Humanities Research* (2019), Vol 08, No II. p. 64 – 77
24. Abdul Khaliq, Ghulam Murtaza, **Muhammad Ashraf**, Mir Sadaat Baloch. A Review of Potential Adaptation Strategies for Climate Smart Sustainable Agricultural Development. *Balochistan Review* (2019), VOL. XL NO. 1, pp 204-215
25. Asad Ullah, Ghulam Murtaza, **Muhammad Ashraf**, Jamal Ud Din. Role of Pakistani TV Channels in Disaster Risk Management. *Balochistan Review* (2019), VOL. XLI NO. 2, pp 210-225

2018

26. Jamil ur Rehman, Muhammad Ashraf: Assessing Climatic variation, farmers' perception and their adaptive strategies in district Zhob. *Pakistan Studies* (2018), Vol 09 Issue No 1. ISSN: 2311-6803.
27. Noor Zaman, Muhammad Ashraf & Arbab Jhandad. SME's Resilience towards terrorism. *Balochistan Review* (2018), Vol XXXVIII No 1. ISSN: 1810-2174. p. 31-50
28. Bilal Ali, Ain ud Din, Muhammad Ashraf. Pakistan's Disaster Relief Mechanism Proclivity to Manage Foreign Disaster Assistance. *Balochistan Review* (2018), Vol XXXVIII, No 1. ISSN: 1810-2174. p. 223-236
29. Raja Shakeel Ahmed, Ain ud Din, Ghulam Murtaza, Muhammad Ashraf. Assessing Effectiveness of Disaster Management Institutions in Pakistan: A Case of Balochistan. *Balochistan Review* (2018), Vol XXXVIII, No 1. ISSN: 1810-2174. p. 237-256

2016

30. Said, Q, Mohammad, Q, Rajendra, P. S, Amir, N. K, Kyawt, T and **Ashraf, M**: Community resilience to flood hazards in Khyber Pukhthunkhwa province of Pakistan. *International Journal of Disaster Risk Reduction* (2016). 18: 100-106 (**IF: 4.842, W Category**)

2015

31. **Ashraf, M** and Routray J.K : Spatio-temporal Characteristics of Precipitation and Drought in Balochistan Province, Pakistan, *Natural Hazards* (2015). 77:229–254. DOI: 10.1007/s11069-015-1593-1 (**IF: 3.158, W Category**)

2014

32. **Ashraf, M**, Routray J.K, and Saeed, M: Determinants of Farmers' Choices of Coping and Adaptation in Drought hazard in North-west Balochistan. *Natural Hazards* (2014). 73:1451–1473. DOI: 10.1007/s11069-014-1149-9 (**IF: 3.158, W Category**)

2013

33. **Ashraf, M** and Routray J.K: Perception and understanding of drought and coping strategies of farming households in north-west Balochistan. *International Journal of Disaster Risk Reduction* (2013). 5: 49-60. <http://dx.doi.org/10.1016/j.ijdrr.2013.05.002>. (IF: 4.842, W Category)

PAPERS PRESENTED AT CONFERENCES with ABSTRACT PUBLICATIONS

2020

1. Capacity Need Assessment (CNA) of Bureau of Statistics (BoS) Balochistan and Statistical Cells in Line Departments for Implementation of 2030 Agenda (SDGs) in Balochistan, December 30 2020 at University of Balochistan organized by UNDP/P&DD and GIL.

2019

2. Field Assessment and Workshop Under “Balochistan Water Engagement” April 2019 organized by Pakistan Poverty Alleviation Fund Islamabad.
3. Summer School: WCRP Institute of Advanced Studies in Climate Extremes and Risk Management, October 21- Nov 1, 2019, Nanjing China

2018

4. Disaster Preparedness and Response Planning (DPRP) Training and Simulation Exercise (SIMEX) Organized by National Institute of Disaster Management, 2018

2017

5. Semester System and Its Implementation, organized by University of Balochistan on 27th March 2017 at University of Balochistan
6. Impacts of Drought Induced by Climate Change in Balochistan organized by Islamic Relief of Pakistan at University of Balochistan, Quetta on 18th September 2017

GOOGLE SCHOLAR

As of 29-03-2023

Publications	33
Citations	887
h-index	8
i-10 index	8

RESEARCH SUPERVISION

Ph.D. Supervision

S. No	Student Name	Thesis Title	Degree	Session	Status
1.	Amanullah Mengal (Supervisor)	Vulnerability Assessment and People's Risk Perception of Tsunami Hazard: A case study of District Gwadar, Balochistan	Ph.D.	2017-18	▪ Graduated

2.	Nisar Ahmed (Supervisor)	Assessing Drought Impacts on Horticultural Production and Farmers Adaptation Strategies in Balochistan Province, Pakistan	Ph.D.	2017-18	■ In Progress
3.	Muhammad Imran Shafi (Supervisor)	Radiological Risk Assessment in Handling and Transportation of Scrap Material through International Trade in Pakistan via Balochistan	Ph.D.	2024-27	■ In Progress
4.	Hashim Khan Durrani (Co-Supervisor)	Assessing Farm Household Vulnerability and Adaptive Measures to Drought in Killa-Abdullah District of Balochistan Province, Pakistan	Ph.D.	2017-18	■ Graduated
5.	Bashir Ahmed (Co-Supervisor)	Dissertation Title: Water Management Practices and Agricultural Productivity under Changing Climate in District Mastung, Balochistan (In Progress)	Ph.D.	2017-18	■ In Progress
6.	Kaleem Ullah (Co-Supervisor)	Effectiveness of Environmental Impact Assessment (FIA) in Urban Development: A case of Quetta Metropolitan City, Pakistan	Ph.D.	2017-19	■ In Progress
7.	Ms Farhana Amir Ali (Co-Supervisor)	Municipal Solid Waste Management Practices, Problems and Future Challenges in Quetta City	Ph.D.	2017-19	■ In Progress

M.Phil. Supervision (Supervisor)

S. No	Student Name	Thesis Title	Degree	Session	Status
1.	Syed Noor Zaman	Assessing the Effects of Terrorism on Small and Medium Enterprises in Quetta-Balochistan	M.Phil.	2016-17	■ Graduated
2.	Jamil-ur-Rehman Babar	Climate Change Impacts on Farmer's agro-based livelihood and their mitigation measures in Balochistan	M.Phil.	2016-17	■ Graduated
3.	M. Gohar Kamran	Inter-Agency Collaboration and Effective Disaster Management Moderated By Effective Leadership: A Case of Disaster Management System in Pakistan.	M.Phil.	2018-19	■ Graduated
4.	Syed Nadir Shah	Assessing Psychological effects of Terrorism in District Quetta Balochistan, Pakistan	M.Phil.	2016-17	■ Graduated
5.	Qasim Mumtaz	Role of Human Resource in Effective Disaster Management in Hyderabad Division, Sindh.	M.Phil.	2018-19	■ Graduated
6.	Shaista Khan	Assessment of Agricultural Drought in Balochistan using Remote Sensing	M.Phil.	2019-20	■ Graduated

		derived Vegetation Condition and Standardized Precipitation Indices			
7.	Muhammad Iqbal Tareen	Assessment of Socio-Economic Determinants of Poverty among Rural Households in District Harnai, Balochistan	M.Phil.	2019-20	▪ Graduated
8.	Abdur Razzaq	Critical Evaluation of Water Management Practices, Existing Policies and Challenging Problems in Pakistan	M.Phil.	2018-19	▪ Graduated
9.	Muhammad Ashraf Ansari	Assessing Community Preparedness and Institutional Role in Reducing Vulnerability of Flood Prone Areas of Baluchistan	M.Phil.	2018-19	▪ Graduated
10.	Asfandiyar Ayaz	Climate Change Impacts on Horticultural Crops Productivity and Farmers' Coping/Adaptive Strategies in District Pishin, Balochistan	M.Phil.	2021-22	▪ Graduated
11.	Ali Arshad Minhas	Logistic and Rescue Operations: Role of Aviation in Disaster Management in Pakistan	M.Phil.	2022-23	▪ Graduated
12.	Zia Ur Rehman	Water Scarcity, Management Practices and Issues in District Quetta	M.Phil.	2018-19	▪ In Progress
13.	Sanam Malik	Assessing the Impact of Climate Change on the Coastal Areas of Balochistan	M.Phil.	2021-22	▪ Graduated
14.	Jhangir Khan	Impact of Coal Mining in Modification of Rural Livelihood: A Case Study of District Dukki	M.Phil.	2021-22	▪ Graduated
15.	Zeeshan Akram	Damage Assessment of Gwadar City Post Urban Floods 2024 using Remote Sensing Data and GIS Tools	M.Phil.	2021-22	▪ In Progress
16.	Suleman Saeed	Assessing Vulnerability and Managing Flood Risk Using Geo-Spatial Technique: A Case of District Sialkot, Pakistan	M.Phil.	Spring 2022	▪ In Progress
17.	Fareeda Tareen	Socio-Economic Impacts of Drought on Agriculture Sector and Farmers Adaptive Mechanism in District Pishin, Baluchistan	M.Phil.	Spring 2024	▪ In Progress

M.Phil. Supervision (Co-Supervisor)

1.	Bilal Ali	Recipient Readiness: Assessing Pakistan's Internal Preparedness using International Assistance in Earthquake Disaster	M.Phil.	2016-17	▪ Graduated
2.	Zarlaht ur Rehman Khan	Assessing Women's Vulnerability in Earthquake Prone area of Quetta, Balochistan	M.Phil.	2016-17	▪ Graduated
3.	Yasmeen Nawaz	Role of women in Disaster Management in flood prone area of Balochistan, Pakistan	M.Phil.	2016-17	▪ Graduated

4.	Muhammad Hashim Khan	Flood Impacts on Farmers' livelihood and their adaptive measures: A case study of Jaffar Abad Balochistan	M.Phil.	2016-17	▪ Graduated
5.	Abdul Khaliq	Ensuring Sustainable Agriculture Development under changing climate in District Mastung, Balochistan.	M.Phil.	2017-18	▪ Graduated
6.	Usman Taj Shami	Evaluation of Disaster Risk Management Structure of Pakistan with Emphasis on Man-Made Disasters	M.Phil.	2016-17	▪ Graduated
7.	Mohammad Hanif	Assessing Farmers' Flood Vulnerability and Institutional Role in Mitigation its Impacts in District Jamshoro, Sindh	M.Phil.	2021-22	▪ In Progress
8.	Atta Ullah	Causes of International Migration and Impacts of Remittances on Socioeconomic Development of District Kech, Balochistan.	M.Phil.	2016-17	▪ In Progress

REVIEWER of the Peer Review Journals

1. Natural Hazards (Impact Factor=3.12)
2. International Journal of Disaster Risk Reduction (IJDRR) (Impact Factor=4.842)
3. Climate and Development
4. Journal of Mountain Science

ANALYTICAL SKILLS AND STRENGTHS

- MS Office
- Project Design and Implementation
- Designing Data Collection Tools and Checklists
- Qualitative Analysis, Particularly Narrative, Statement and Thematic Analyses
- References Management Softwares: Mendeley and EndNote
- Statistical Package for the Social Sciences (SPSS)

LANGUAGES

- English
- Urdu

AWARDS, FELLOWSHIPS AND GRANTS

- Merit scholarship for MS leading to PhD by University of Balochistan 2008-2014
- ProSPER.Net-Scopus Young Scientist Award in Sustainable Development (2014) Under the Category "Disaster Risk Reduction" 2nd Runner Up
- Merit scholarship for PGD-IT by Government of Balochistan 2001-2002

MEMBERSHIP

- MEMBER OF NCRC IN DISASTER MANAGEMENT (HEC)

FOREIGN EXPOSURE

- Thailand, China, Saudi Arabia

REFERENCES

- Prof. Dr. Jayant kumar Routray, Emeritus Professor, Department of Development and Sustainability, Asian Institute of Technology (AIT), PO Box 4, Klong Luang, Pathumthani 12120, Thailand. Email: routray53@gmail.com. Phone: 66-2-5245609 (Office), Fax: 66-2-5246431, 66-865342600 (Cell), India Cell: 91-943711236.