

Inaugural Session	9:30-9:35AM	Quran Recitation	Inaugural Ceremony of the conference “Sustainable Utilization of Natural Resources of the Khyber Pakhtunkhwa and FATA (SUN-R)” & International workshop on “Geoscience Information System for Natural Hazard Management”
	9:35-9:45AM	Welcome Address <i>Prof. Dr. M. Asif Khan</i> Director, National Centre of Excellence in Geology, University of Peshawar	
	9:45-10:00AM	Keynote Address <i>Dr. M. Sayab</i> National Centre of Excellence in Geology, University of Peshawar	
	10:00-10:10AM	Address <i>Prof. Dr. Muhammad Rasul Jan</i> Vice Chancellor, University of Peshawar	
	10:10-10:20AM	Address <i>Mr. Wajid Ali Khan</i> Honorable Minister of Environment, Government of Khyber Pakhtunkhwa	
	10:20-10:30AM	Chief Guest Address <i>Barrister S. Masood Kausar</i> Honorable Governor of Khyber Pakhtunkhwa	
	10:30-10:40AM	Vote of Thanks Prof. Dr. Tahir Shah National Centre of Excellence in Geology, University of Peshawar. Presentation of Shields	
TEA BREAK (10:40-11:00AM)			

Technical Session-1: Minerals	11:00-11:20AM	Invited Talk: Earth sciences and mineral exploration history of Pakistan with reference to Khyber Pakhtunkhwa and its adjacent Tribal area <i>M. Qasim Jan¹ & S. Hasan Gauhar²</i> ¹ National Centre of Excellence in Geology, University of Peshawar, Peshawar, & COMSTECH, Islamabad ² Formerly with Geological Survey of Pakistan, Quetta
	11:20-11:35AM	Invited Talk: Sustainable utilization of natural resources of Khyber Pakhtunkhwa & FATA <i>Azhar Khan</i> Ministry of Petroleum and Natural Resources, Islamabad
	11:35-11:50AM	Optimum utilization of local mineral resources <i>Yaseen Iqbal</i> Materials Research Laboratory, Institute of Physics & Electronics, University of Peshawar, Peshawar
	11:50-12:05PM	Sustainable Utilization of Mineral Resources-Pakistan's Perspective <i>Safi Ur Rehman and Muhammad Mansoor Khan</i> Department of Mining Engineering, University of Engineering and Technology Peshawar
	12:05-12:20PM	Invited Talk: Need of appropriate skill and technology for development of mineral resources of Khyber Pakhtunkhwa <i>Shakirullah</i> Directorate General Mines and Minerals, Mineral Department, Khyber Pakhtunkhwa
	12:20-12:35PM	Invited Talk: Role of Pakistan Gems and jewelry Development Company (PGJDC) in Promotion of Gems and Jewelry Sector of Pakistan <i>Bakhtiar Khan</i> Pakistan Gems & jewelry Development Company, Karachi
	12:35-12:50PM	Strategizing the collaborative project of NCE in Geology and DGMM on Regional Geochemical Exploration for precious metals in southern part of Khyber Pakhtunkhwa <i>M. Tahir Shah¹, M. Asif Khan¹, N. U. Khattak¹, Liaqat Ali¹, Muhammad Shafique¹, Sufyan Qazi¹, Shakirullah² and Noroz Khan²</i> ¹ National Centre of Excellence in Geology, University of Peshawar, Peshawar ² Directorate General of Mines and Minerals, Mineral Department, Khyber Pakhtunkhwa
	12:50-1:05PM	Local vs. modern mechanized mining of marble, a case study of quarry upgradation at Tor Warsak, Buner, Khyber Pakhtunkhwa (KPK) <i>Yasir Shaheen Khalil, Taseer Ahmed Qureshi and M. Riaz</i> National Centre of Excellence in Geology, University of Peshawar, Peshawar
	1:05-1:15PM	Discussions
	1:15-1:30PM	Presentation of Shields
LUNCH BREAK (1:30-2:15PM)		

Chair: Prof. Dr. Shafiq ur Rehman (Vice Chancellor, FATA University) & Mr. Jamal-ud-Din (Secretary Mineral Development)

Technical Session-2: Energy and Environment	2:15-2:30PM	Making Pakistan a vibrant and vigorous nation through development of its resources <i>Lutf-ur-Rehman</i> Pakistan Stone Development Company, Islamabad
	2:30-2:45PM	Exploring the opportunities of renewable energies in the Khyber Pukhtunkhwa: A case study of FATA <i>Attaullah Shah¹, Sharifullah¹ and Irfan U. Jan²</i> ¹ Allama Iqbal Open University, Islamabad ² National Centre of Excellence in Geology, University of Peshawar, Peshawar
	2:45-3:00PM	Adaptation to climate change: A case study of using wastewater as a resource for crop production: Risks and opportunities <i>M. Jamal Khan</i> Department of Soil and Environmental Sciences, Khyber Pakhtunkhwa Agricultural University, Peshawar
	3:00-3:15PM	Geoinformatics Based Multi-Criteria Decision Support Analysis of Selection of Renewable Energy Sites: A Case Study of Khyber Pakhtunkhwa Province Pakistan <i>Sajjad Ali and Javed Iqbal</i> School of Civil and Environmental Engineering, Institute of Geographic Information Systems National University of Sciences and Technology, Islamabad
	3:15-3:30PM	Invited Talk: Contributions of Pakistan Forest Institute in Sustainable Natural Resources Management <i>Tahir Laeeq</i> Pakistan Forest Institute, Peshawar
	3:30-3:45PM	Monitoring of surface and ground water quality in Peshawar Basin <i>Shahida Nasreen Zakir</i> Department of Environmental Sciences, University of Peshawar
	3:45-4:00PM	Geo-information as a decision support system for urban planning and exploration of minerals <i>M. Shafiqe, M. Sayab, M. Asif Khan and M. Tahir Shah</i> National Centre of Excellence in Geology, University of Peshawar, Peshawar
	4:00-4:15PM	Integrated Watershed Rehabilitation in Dry Lands: A Case Study of Interventions in Dera Ismail Khan and Tank Districts of Khyber-Pakhtunkhwa <i>Wajid Ali, Samina Siddiquie, M. Asif Khan and Shabir Ahmed</i> National Centre of Excellence in Geology, University of Peshawar, Peshawar
	4:15-4:25PM	Discussion
	4:25-4:35PM	Presentation of Shields
TEA (4:35PM)		

Chair: Mr. Muhammad Adil (Secretary Environment) and Director General Environmental Protection Agency