



Registration and Welcome of Speakers and Participants: 8:00 to 8:30 AM

BREAKFAST

Opening Session (8:30 – 9:00 AM)

Moderator: Kaustuv Raj Neupane

- **NeSA Introductory Video** –Anjita G C and Nirajan Paudel (3 minutes)
- Welcome by NeSA President: **Mahesh Lamsal** (5 minutes)
- Welcome by NeSA Advisor: **Dr. Ram Acharya** (5 minutes)
- Remarks by **Dr. Luis Cifuentes** Vice President for Research, Creativity, and Strategic Initiatives (5 minutes)

Session-I: Guest Talk Series (8:30 AM – 12:00 PM)

Moderators: **Dikshya Sapkota** and **Kaustuv R. Neupane**

9:00 – 9:23 AM	Guest Speaker: Dr. Uttam Babu Shrestha , Director/Research Fellow, Global Institute for Interdisciplinary Studies (GIIS). Title: " <i>Practicing interdisciplinary research in Nepal: A personal experience.</i> "
9:23 – 9:46 AM	Guest Speaker: Dr. Mary M. Cameron , Professor, Florida Atlantic University. Title: " <i>Ayurvedic medicine and environmental conservation in Nepal.</i> "
9:46 – 10:09 AM	Guest Speaker: Dr. Rajan Ghimire , Assistant Professor, New Mexico State University. Title: " <i>Soil health and sustainability Research in Resource-Limited Environments: Experiences and Way Forward.</i> "
10:09 – 10:32 AM	Guest Speaker: Dr. Durga Neupane , Postdoctoral Researcher at Cornell University. Title: " <i>Generation and characterization of typhoid fever vaccines.</i> "
10:32 – 10:55 AM	Guest Speaker: Dr. Prabodh Satyal , CSO/Owner, Aromatic Plant Research Centre. Title: " <i>Chemistry entrepreneurship in Nepal.</i> "
10:55 – 11:18 AM	Guest Speaker: Dr. Sabita Maharjan , Professor, University of Oslo. Title: " <i>Energy information networks.</i> "
11:18 – 11:55 AM	Keynote Speaker: Mr. Dipak Gyawali , Water Expert and Former Minister of Water Resources. Title: " <i>Connection and collaboration for innovation and transformation.</i> "

Break/Poster Session

Moderator: **Hemanta Dulal**

LUNCH (11:55 – 1:00 PM)

P1	Prakash Timsina , New Mexico State University. Title: " <i>Effects of crustal flow around the Eastern Himalayan Syntaxis on the active tectonics of Indo-Burma Ranges.</i> "
P2	Dikshya Sapkota , New Mexico State University. Title: " <i>Jujube germplasm in New Mexico and the Southwestern corner of Texas.</i> "
P3	Emaz Arshad , New Mexico State University. Title: " <i>Quantifying the Effects of Watershed Restoration as a Flood Mitigation Approach.</i> "
P4	Nirajan Paudel , New Mexico State University. Title: " <i>Ab initio studies of the surface properties of ZnO anode material in rechargeable Zn/MnO₂ batteries.</i> "

P5	Aphsara Parajuli , Tribhuvan university. Title: " <i>Characterization, whole genome analysis and application of bacteriophages to control biofilm produced by carbapenem-resistant bacteria prioritized by the World Health Organization (WHO)</i> "
P6	Bhimsen Shrestha , New Mexico State University. Title: " <i>Effects of irrigation and nitrogen management on potato (<i>S. tuberosum</i> L.) growth, yield and water use efficiency.</i> "
P7	Abid Nazir , New Mexico State University. Title: " <i>Assessing the accuracy of GEDI aboveground biomass density data in Pakistan.</i> "
P8	Dabit Bista , New Mexico State University. Title: " <i>Carbon footprint of cover cropping in a semi-arid irrigated agriculture.</i> "
P9	Anjali Karki , New Mexico State University. Title: " <i>Ash-infused water as an oviposition attractant for mosquitoes.</i> "
P10	Sushil C. Sapkota , New Mexico State University. Title: " <i>Cost analysis of cotton ginning technologies: a stochastic cost frontier approach.</i> "
P 11	Prakriti Bista , New Mexico State University. Title: " <i>Simulating net greenhouse gas balance under cover cropping in semi-arid region using DayCent model</i> "
A1	Ehlam Sabri , New Mexico State University. Title: " <i>Distance</i> "
Session II: Oral Presentations (1:00 – 2:30 PM) Moderator: Sushil Sapkota	
1:00 – 1:15 PM	Dr. Deb Raj Aryal , National Science and Technology Council (CONACYT), Mexico. Title: " <i>Carbon storage in tropical secondary forests recovering after slash and burn agriculture.</i> "
1:15 – 1:30 PM	Dr. Rocky Talchabhadel , Research Scientist, Texas A&M AgriLife Research. Title: " <i>Facilitating water research and training in Nepal.</i> "
1:30 – 1:42 PM	Mr. Sharad Mahatara , New Mexico State University. Title: " <i>Designing high-mobility 2DEG in complex oxide heterostructures</i> "
1:42- 1:54 PM	Ms. Ana Cristina Garcia Vasquez , New Mexico Water Resources Research Institute. Title: " <i>The importance of water management in the mesilla/conejos medanos transboundary aquifer between the US and Mexico from a binational collaborative work.</i> "
1:54 – 2:06 PM	Mr. Sanjeev Niraula , The University of Texas at El Paso. Title: " <i>Theorizing the genre of consultation conversation at writing centers: enhancing communication and collaboration between consultants and writers.</i> "
2:06 – 2:18 PM	Mr. Ezra Hucher , New Mexico State University. Title: " <i>Discovering the earliest and most distant galaxies in the Universe.</i> "
2:18 -2:30 PM	<i>Break</i>
Session-III: Oral Presentations (2:30 – 3:45 PM) Moderators: Prakash Timsina and Lata Chataut	
2:30- 2:42 PM	Mr. Purna C. Bhusal , The University of Texas at El Paso. Title: " <i>Rhetoric of Collaboration among the Nepalese Diaspora in Norway during the Pandemic.</i> "
2:42- 2:54 PM	Ms. Asmita Kafle , University of New Mexico. Title: " <i>Water quality monitoring after the largest wildfire recorded in New Mexico.</i> "
2:54 – 3:06 PM	Ms. Rashni Anandawansha , New Mexico State University. Title: " <i>Mapping Earth's Upper and Mid-mantle using ScS reverberations phases.</i> "
3:06 – 3:18 PM	Ms. Savyata Kandel , New Mexico State University. Title: " <i>Evaluation of advance wheat lines for terminal heat stress and association of yield attributes and grain yield.</i> "
3:18 – 3:30 PM	Mr. Hemant Dulal , New Mexico State University. Title: " <i>Fatigue life estimation of surface crack in Pelton turbine using iso-stress intensity factor criterion.</i> "
3:30 – 3:45 PM	Dr. Dinesh Bhandari , Post Doctorate Researcher at Monash University. Title: " <i>Climate change and paediatric diarrhoea in Nepal: implications for strengthen infectious diseases surveillance systems.</i> "

Closing Session (3:45 – 4:30 PM)

Moderator: Nirajan Paudel

Remarks	Dr. Madhav Regmi, NeSA advisor
Remarks	Dr. Deepak Subedi, NeSA advisor
Certificate distribution for guest speaker and presenters	
Best presentation awards	Dr. Bhupendra K. Gurung & Dr. Elina Adhikari
Raffle	Moderator of the session
Vote of thanks and closing of conference	Kaustuv Raj Neupane, Conference Coordinator

Dinner: 6:30 to 8:00 PM for conference speakers and fulltime attendees only

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