

Schedule of Event

13th International Conference

‘Advancing Science for the Greater Good’

Opening Session (8:00 – 8:30 am)

Moderator: Sharad Mahatara

- Welcome by Conference Director, **Sharad Mahatara**
- Introductory Video – about NeSA
- Welcome by NeSA president, **Krishna Acharya**
- Welcome by NeSA advisor, **Dr. Deepak Subedi**
- Remarks by NMSU interim provost, **Dr. Dorothy Campbell**
- Remarks by Associate Director, ISSS, NMSU, **Matthew Lara**
- Remarks by Dean of the Graduate School and Vice President for Research, **Dr. Luis Cifuentes**

Session I Guest Talk Series (8:30 am – 12:00 pm)

Moderator: Sharad Mahatara

8:30 – 8:35 am	Remarks: Dr. Deshraj Sonyok , NeSA First Conference (2009) Director
8:35 – 9:00 am	Guest speaker: Dr. Basant Giri , Senior Scientist, Kathmandu Institute of Applied Science, Title: <i>‘Changing Research and Innovation Initiatives in Nepal’</i> .
9:00 – 9:25 am	Guest speaker: Dr. Tara Sigdel , Associate professor, Surgery, University of California San Francisco, Title: <i>‘Research and Innovation in Nepal’s Higher Education- an Elusive but Critical Component in Post-COVID Era’</i> .
9:25 – 9:50 am	Guest speaker: Dr. Elina Adhikari , Breeding Analytics Lead, Rice Tec, Inc. Title: <i>‘Global food production under climate change: Role of crop genetics and genomics’</i> .
9:50 – 10:15 am	Guest speaker: Dr. Rishi Sapkota , Senior Chemist I, Adesis Inc. (NeSA Alumni) Title: <i>‘A Journey from Medicinal, Catalysis to OLED Chemist’</i> .
10:15 – 10:40 am	Guest speaker: Dr. Sangeet Lamichhaney , Assistant Professor, Kent State University, Title: <i>‘Study of organismal adaptation through the lens of modern genomics’</i> .
10:40 – 11:10 am	Guest speaker: Dr. Anna Stirr , Associate Professor and Director, Center for South Asian Studies University of Hawai‘i Mānoa, Title: <i>‘The intimate politics of Lok Dohori’</i> .
11:10 – 11:45 am	Keynote speaker: Dr. Shabnam Koirala-Azad , Dean, School of Education, University of San Francisco, Title: <i>‘Advancing Science for the Greater Good’</i> .

Break/Poster Session (12:00 – 1:00 pm)

Moderator: Mahesh Lamsal

Santosh Gaire, The Catholic University of America, USA	<i>Single-molecule Characterization of the Elastic Response of DNA and DNA-histone Complexes Using Horizontal Magnetic Tweezers</i>
Srijana Dura, New Mexico State University	<i>Comparison of jalapeños performance against Phytophthora blight caused by P. capsici under greenhouse and field conditions</i>

Yashoda Kandel, New Mexico State University	<i>Phosphoproteomics profiling of Malpighian Tubules during blood meal processing reveals dramatic transition in function in aedes aegypti</i>
Nirajan Paudel, New Mexico State University	<i>Ab initio Studies of the Surface Properties of ZnO Anode Material in Rechargeable Zn/MnO₂ Batteries</i>
Dikshya Sapkota, New Mexico State University	<i>Ecofriendly Management of Insect Pests of Cauliflower (Brassica oleracea var. botrytis) Var. Madhuri in Kapurkot, Salyan</i>
Dabit Bista, New Mexico State University	<i>Effect of Foliar Application of Growth Regulators on Growth and Yield of Onion (Allium cepa)</i>
Pramod Acharya, New Mexico State University	<i>Carbon Sequestration and greenhouse gas balance in irrigated cover crop-forage rotation</i>
Prakash Timsina, ICTP & New Mexico State University	<i>Investigation of Blind Sources Separation Techniques for GPS Time-Series</i>

Session II: Oral Presentations (1:00 – 3:45 pm)

Moderators: Sushil Sapkota & Binisha Marahatta

1:00 – 1:12 pm	Dr. Swotandra Gautam , BP Koirala Institute of Health Science, Dharan, Title: <i>'Clinical Profile and Outcome of patients of Heart Failure with and without Chronic Kidney Disease: A Cohort Study from Eastern Nepal.'</i>
1:12 – 1:24 pm	Pratik Chhetri , University of California, Berkeley, USA and ALIN (Authentic Leadership Institute Nepal), Title: <i>ALIN Solutions Fellowship: A Comprehensive Model to Engage and Empower LMIC Youths in Meaningful Nation-building Projects</i>
1:24 – 1:36 pm	Dr. Huta R. Banjade , Virginia Commonwealth University, USA, Title: <i>'Structure motif-centric learning framework for inorganic crystalline systems'</i>
1:36 – 1:48 pm	Ezra Huscher , New Mexico State University Title: <i>Exploring the early Universe with computer simulations</i>
1:48 – 2:00 pm	Dr. Keshab R. Dahal , Truman State University, Title: <i>'Effect of News Sentiment on Stock Price: A Deep Neural Network and Statistical Analysis'</i> .
2:00 – 2:12 pm	Alexander Wilson , New Mexico State University, Title: <i>Beyond Profit: Adoption and Diffusion Drivers of Conservation Practices in New Mexican Farmers and Ranchers</i>
2:12 – 2:24 pm	Akash Bajgain , New Mexico State University, Title: <i>'Terminating mustard cover crop in mid-March reduces risks from beet leafhoppers and potentially suppresses weeds in April-seeded chile pepper.'</i>
2:24 – 2:36 pm	Raj K. Baral , University of Texas at El Paso, Title: <i>'Social Media Sites as Platforms for Human Good'</i> .
2:36 – 2:48 pm	Dipak Mahatara , University of Quebec, Canada, Title: <i>'Maxent Modelling for Habitat Suitability of Vulnerable Tree Dalbergia latifolia in Nepal'</i> .
2:48 – 3:00 pm	Dr. Debadrita Pal , Syracuse University, Title: <i>'Role of Rab11 and Rab8 during morphogenesis of the left-right organizer'</i> .
3:00 – 3:12 pm	Kaustuv R. Neupane , New Mexico State University, Title: <i>'Drawing insights from the piloting of climate adaptive urban water supply management in the Himalayan cities of Nepal'</i>
3:12 – 3:24 pm	Dr. Pradeep Adhikari , Hankyong National University, South Korea. Title: <i>Climate Change-Induced Invasion Risk of Ecosystem Disturbing Alien Plant Species: Comparative Analyses of Five Species Distribution Models</i>
3:24 – 3:36 pm	Philip Lujan , New Mexico State University, Title: <i>'Comparative performances of phenolic extract derived from pecan shell and husk and commercially available</i>

synthetic fungicides, biofungicides and host plant defense inducers against Phytophthora capsici on chile pepper.'

Closing Session (3:45 – 4:00 pm)

Moderator: Yumi Maharjan

Remarks	Dr. Madhav Regmi, NeSA advisor
Online raffle	Yumi Maharjan
Best presentation awards	Dr. Bhupendra K. Gurung & Dr. Saroj Dhital
Closing remarks	Dr. Ram Acharya, NeSA advisor