

RECENT TRENDS IN SCIENCE, TECHNOLOGY AND INNOVATION 2024



CONFERENCE REPORT



TRIBHUVAN UNIVERSITY
INSTITUTE OF FORESTRY
POKHARA CAMPUS
POKHARA, NEPAL

FEBRUARY 22-23, 2024

FOREWORD

A time when the whole world has just come out of the COVID pandemic, and a time when the country's economic condition is still not encouraging, we need innovations in science and technology to bridge the gaps. In today's rapidly evolving world, the pursuit of knowledge and innovation is more crucial than ever. The conference on Recent Trends in Science, Technology and Innovation (RTSTI) 2024 has reflected the achievements and limitations of technology and its use for human welfare during different sessions. Furthermore, I believe the conference was able to serve as a platform for sharing cutting-edge research, fostering collaboration, and exploring the latest developments in science and technology. The goal of the conference was to create vibrant environment that inspires creativity and sparks insightful discussions. The diverse array of presentations and discussion in eight different thematic areas provided a comprehensive overview of the recent trends influencing the future of various fields. In addition, the RTSTI-conference 2024 provided a platform to engage scientists, academicians, policy makers, students and other stakeholders towards the common goal of creating enabling environment for research in science and technology to support human welfare. Thus, the two-day conference was successful in providing:

- insight understanding and consensus for identifying and bridging knowledge gaps in technology and innovation in different sector for human welfare.
- opportunity in bridging capacity of academic institutions for the production of competent human resources required in different sectors.
- deep understanding of current gaps and trends in technology and inform policy and decision makers to seek their commitment for resource allocation and action.
- encouragement to students in identifying best practices in research, fostering collaborations and showcasing technological solutions for future development.

I extend my gratitude to all the distinguished guests, scholars, researchers, scientists, innovators, and students who participated in the conference. I would like to express my deep gratitude to the Nobel Laureate Sir Richard John Roberts, for travelling all the way from US to share his keynote on "The Path to the Nobel Prize". Similarly, I am thankful to Dr. Meghnath Dhimal, Chief of National Health Research Academy for the keynote on, "Health research governance in Nepal: Evidence generation to translation into action". I am thankful to all the supporters (ILaM Project, WWF Nepal, BIOFIN/UNDP, Geo 3D Modeling Pvt. Ltd., Pokhara Metropolitan City, Annapurna Conservation Area Project) and all associate partners (Himalayan Eye Hospital, International Nepal Fellowship/Green Pasture Hospital, Pokhara Nursing Campus, Institute of

Engineering Paschchmanchal Campus, Prithivi Narayan Campus, Pokhara University, Pokhara Academy of Health Sciences, Nepal Scientific Instrument Solution) for collaborating with us to make this conference a success. I would like to acknowledge the research committee members of Institute of Forestry, Pokhara Campus for their tremendous effort in organizing the conference. All the faculties and staffs of Pokhara Campus deserve special thanks for their active involvement in organizing the conference.

Prof. Binod Prasad Heyojoo

Campus Chief

Institute of Forestry, Pokhara Campus



EXECUTIVE SUMMARY

The beautiful city, Pokhara, is a hub for education and medical care in Gandaki province, providing education through established educational institutions that provide opportunities for students from different parts of the country to gain better education. Knowledge and skills in various sectors such as Natural Sciences, Engineering, Forestry, Medical Science, Nursing, Agriculture and Animal Science is ever expanding. Realizing the need of collaborative effort to strengthen research capability, academic institutions in Pokhara collaboratively initiated organizing an annual international conference to support research in science, technology and innovation in 2022. The third series of the RTSTI conference was hosted by Institute of Forestry, Pokhara Campus on 22-23 February 2024.

The conference provided an outstanding interdisciplinary platform for researchers, scholars, and educators to explore their findings and engage in discussions about the most recent innovations and trends in eight different thematic areas including agriculture, animal husbandry, fishery, and food sciences; biological sciences; engineering and technology; forestry, biodiversity; environment and climate sciences; health and medical sciences; physical sciences; and interdisciplinary sciences. The objectives of the conference were to encompass reviewing research in science, engineering, and technology, discerning and recognizing innovation across various science and technology sectors and envisioning the future role of science and engineering practice. The conference started with the opening ceremony, Prof. Dr. Dilip Subba, vice-chancellor of Nepal Academy of Science and Technology inaugurated the program as the chief guest; and Prof. Binod Prasad Heyojoo, Campus Chief of Pokhara Campus as the conference chair. The conference featured two keynotes: the first from **Nobel Laurate Sir Richard John Roberts** on the first day, and another from **Dr. Meghnath Dhimal** on the second day. In the technical sessions, the conference hosted nineteen invited presentations from esteemed researchers in their thematic areas, fifty-five oral presentations and thirty-one poster presentations. The oral presentations were divided into fifteen sessions, with three parallel sessions, while the poster presentation were divided into two sessions, one each day. The conference marked the participation of 250 delegates.

The closing ceremony was chaired by Prof. Binod Prasad Heyojoo with Dr. Krishna Chandra Devkota, vice-chairperson of Provincial Policy and Planning Commission of Gandaki Province as the chief guest. Three best poster presenters were awarded with cash prize during the closing ceremony. The conference concluded with announcement of 4th RTSTI conference host and date, to be organized by Pokhara University in February 2025.

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THE RTSTI CONFERENCE 2024

The Conference on Recent Trends in Science, Technology and Innovation (RTSTI) hosted by Institute of Forestry, Pokhara Campus brought together leading academics, scientists, researchers and students to exchange and disseminate their knowledge, skills, research outcomes and experiences on science and technology. The conference organized on 22 and 23 February, 2024 featured two keynotes: the first from **Sir Richard John Roberts**, a renowned molecular biologist and the winner, with Philip A. Sharp, of the 1993 Nobel Prize for Physiology or Medicine for his independent discovery of "split genes", and the second from the eminent researcher **Dr. Meghnath Dhimal**, Chief of Nepal Health Research Council, including nineteen invited presentations from renowned researchers in respective theme, fifty five oral presentations and thirty two poster presentations. The conference covered presentations and discussions on eight different thematic areas that included, i) Agriculture, Animal, Fishery and Food Science, ii) Biological Sciences, iii) Engineering and Technology, iv) Forestry, Biodiversity, Environment and Climate Science, v) Health and Medical Science, vi) Interdisciplinary (Science Policy Interface, Science Ethics, Science Education and Communication), vii) Mathematics, Statistics and Data Science, and vii) Physical Sciences.

CONFERENCE OBJECTIVES

- i. To provide an academic and industrial forum to present and discuss the latest breakthroughs
- ii. To facilitate interactions and collaborations between the leading experts and the next generation of scientists in science and technology
- iii. To feed into the innovation pipeline necessary for game-changing discoveries

[Conference brochure available.](#)

OPENING CEREMONY

The conference was inaugurated by Prof. Dr. Dilip Subba, Vice-Chancellor of the Nepal Academy of Science and Technology. On his opening remarks, Prof. Subba expressed the need of involving new generation in science and technology research and appreciated the organizing committee for arranging such an interdisciplinary conference in Pokhara.



Vice-chancellor of Gandaki University, Prof. Dr. Nabraj Devkota highlighted the need of innovative research to address the societal changing needs. During the opening ceremony, welcome remarks were delivered by Registrar of Pokhara University, Prof. Dr. Dipak Bahadur Bhandari and by the Dean of Institute of Forestry, Prof. Dr. Bir Bahadur Khanal Chhetri.

Dr. Bishnu Prasad Devkota, Member Secretary of the Conference Organizing Committee welcomed the guests and participants of the conference. The inauguration ceremony was chaired by Prof. Binod Prasad Heyojoo, Campus Chief of Pokhara Campus and the Chair of the Conference Organizing Committee. Ms. Pabitra Jha, Assistant Professor, Institute of forestry, Pokhara Campus was the host for the program.

KEYNOTES

The conference featured two keynotes. The first keynote speech was delivered by Nobel Laureate Sir Richard John Roberts on "The Path to the Nobel Prize". Failure leads to success was the main message of his speech. The second keynote speech was delivered by Dr. Meghnath Dhimal, Chief of Nepal Health Research Council on "Health research governance in Nepal: Evidence generation to translation into action". Climate change and its impact on public health and policy initiatives were the main highlight of his speech.

Sir Richard John Roberts



Sir Richard John Roberts, born September 6, 1943, is a distinguished British biochemist and molecular biologist. Renowned for his groundbreaking work on introns, alternative splicing, and DNA methylation, Roberts was awarded the Nobel Prize in Physiology or Medicine in 1993 alongside Phillip Allen Sharp for their pioneering discovery of introns within eukaryotic DNA and elucidating the mechanism of gene-splicing. He obtained his BSc and PhD from the University of Sheffield and conducted significant research at institutions such as Harvard University, Cold Spring Harbor Laboratory, and New England Biolabs. As a pivotal figure in molecular biology, his work revolutionized our understanding of genetics, mainly by discovering alternative gene splicing. Roberts remains an influential advocate for scientific

research and has supported genetically modified organisms (GMOs) to improve health in developing nations.

[Keynote slides available.](#)

Dr. Meghnath Dhimal



Dr. Meghnath Dhimal is an Environmental Health Scientist with over 20 years of experience working in Nepal, Maldives, Timor-Leste and Germany (as a guest scientist). His primary area of expertise is on environmental health with more focus on climate change and health. Currently, he is the chief of Nepal health Research Council (NHRC). He has led several research projects on environmental and climate change, non-communicable diseases, neglected tropical diseases, burden of diseases and health systems research in Nepal. Recognizing his contribution in the field of climate change and health, he has received number of awards including “Young Scientists Award of the Year 2015” by the NAST, Winner of New Voices in Global Health Programme at World Health Summit 2017, Outstanding Health Research Award 2018 from NHRC and National Science, Technology and Innovation Award of Health Sector 2022 from Ministry of Education, Science and Technology, Government of Nepal. He is also recipient of Institute of Tropical Medicine (ITM) Scientific Excellence Award 2023. Recently,

he has been elected as a Fellow of International Science council (ISC) which is the highest honour that can be conferred on an individual by the ISC. He has published over 300 technical reports and peer reviewed research articles in international, peer-reviewed journals including in the Lancet, BMJ and Nature.

[Keynote slides available.](#)



TECHNICAL SESSIONS

Oral Presentations



The technical session included oral presentations and poster presentation. For the oral presentation, fifteen sessions were organized with seventy-four oral presentations in eight thematic areas. For the poster presentation, two sessions were organized with thirty-two presentations.

First day included nine sessions for oral presentation and one session for poster presentation, while the second day included six and one sessions, respectively for oral and poster presentation. The list of all presentations are provided in the tables that follow.

[Conference abstract book available.](#)

Day one: February 22, 2024

Theme: Forestry, Biodiversity, Environment and Climate Science

Session: 1A (Dean Seminar Hall)

Chairperson: Prof. Dr. Bir Bahadur Khanal Chhetri

SN	Presentation Title	Presenter(s)
1	Reducing the Investment Gap: Innovative Solutions to Finance Biodiversity in Nepal	Bijendra Basnyat, Pragnyan Yalamber Rai, Sanjeev Kumar Rai , Rajendra Dhungana, Gyanendra Kayastha and Herve Barois (Invited presentation)
2	Stand- and tree-level responses to commercial thinning in spruce-fir forests in Maine, USA	Bishnu Hari Wagle, Aaron R. Weiskittel, John-Pascal Berrill, Anil Raj Kizha, Anthony W. D'Amato, David Marshall (Invited presentation)
3	Forest fire risk assessment and zonation of dang district, Nepal using GIS and remote sensing	Avishek Hamal, Pramod Ghimire
4	Understanding the Changing Nexus between Community Forest Resource and User Groups	Bismita Aryal, Prabin Bhusal
5	Comparing the performance in snow leopard survival: strict protected area and area with strong Buddhist with customary practices in Nepal	Kamal Thapa
6	Floristic Diversity in the Lake Cluster of Pokhara Valley, Central Nepal	Hom Nath Pathak

Theme: Health and Medical Sciences

Session: 1B (Auditorium Hall)

Chairperson: Dr. Amar Nagila

SN	Presentation Title	Presenter(s)
1	Mental health issues: changing scenario of Nepal	Chandrakala Sharma (Invited presentation)
2	Pain Management: Emerging role for Pharmacists	Parbati Thapa, Bhuvan KC, Sudesh Gyawali, Leong Siew Lian, Mohamed Izham Mohamed Ibrahim, Shaun Wen Huey Lee (Invited presentation)
3	Experience of Perceived Stress and Associated Factors during COVID 19 Lockdown among Hoteliers of Pokhara, Nepal	Akriti Kafle Baral
4	Providing paediatric palliative care for children with developmental disorders in Pokhara	Amrita Shrestha, Karuna Thapa
5	Comparative multiple case study research: A methodological approach to understanding palliative care needs in rural Nepal.	Arati Poudel, Sunita Bhandari, Amrita Thapa, Adipti Pantha, Daniel Munday, Namuna Shrestha

Theme: Biological Sciences

Session: 1C (Campus Seminar Hall)

Chairperson: Prof. Dr. Bishnu Raj Tiwari

SN	Presentation Title	Presenter(s)
1	Biological invasions in the era of anthropocene	Bharat Babu Shrestha (Invited presentation)
2	Biological blueprints to address 21st century societal challenges	Bandana Shakya (Invited presentation)
3	In-vitro antioxidant and antidiabetic activity of some selected medicinal plants of Nepal	Ajay Kumar Sah, Shila Gurung
4	Flowering Plant Diversity of Differentially Disturbed Region of Terai Sal (<i>Shorea robusta</i> C.F.Gaertn.) Forest in Eastern Nepal	Ajay Neupane, Udeshya Bhandari, Homnath Khatiwada
5	Nilgai (<i>Boselaphus tragocamelus</i>) response to management regime in a human-dominated Bardia landscape, Nepal	Dol Raj Thanet, Mandip Pangen, Thakur Silwal, Santosh Rayamajhi, Kates E. Jones

Theme: Forestry, Biodiversity, Environment and Climate Science

Session: 2A (Dean Seminar Hall)

Chairperson: Prof. Dr. Raj Kumar Koirala

SN	Presentation Title	Presenter(s)
1	Biodiversity conservation in integrated landscape management: Reflections from Terai Arc Landscape, Nepal	Bharat Gotame, Bhawana Sitaula, Prakash Thapa and Suman Subedi (Invited presentation)
2	Inter-tree competition further improves the growth model's predictive ability	Shes Kanta Bhandari, Erik. J. Veneklaas, Lachlan McCaw, Richard Mazanec, Kim Whitford, Michael Renton (Invited presentation)
3	How sensitive is local governance towards climate induced vulnerability and disaster management? a systematic review of policies and strategies of municipalities in Kali Gandaki River Basin of Central Nepal	Lila Puri, Vikash Kumar KC, Krishna Poudel, Dayasagar Subedi
4	Role of Community Institutions in Forest Restoration: A Systematic Review from Ecological and Socio-economic Perspective	Mahendra Singh Thapa
5	Status and Issues of Private Forestry in Forest Scarce Region: A Case Study From Dhanusha District, Madesh Province, Nepal	Orchid Rosy Puri, Deepa Paudel

Theme: Health and Medical Sciences

Session: 2B (Auditorium Hall)

Chairperson: Prof. Dr. Shree Krishna Shrestha

SN	Presentation Title	Presenter(s)
1	<i>In Vivo</i> Acute Oral Toxicity Test of Nano-Hydroxyapatite-Gelatine (n-HAp-GEL) Suspension in Wistar Rats	Komal Prasad Malla, Bindu Malla, Rajesh Pandit, Shanta Pokhrel, Ram Jeewan Yadav, Rameshwar Adhikari

2	Burden and Depression among Caregivers of People Living with HIV/AIDS	Bishnu Gurung, Anju Poudel, Rasna Sharma
3	The comforting and relaxing effects of deep touch stimulation using the relaxi device in adult with stress: a case study	Dilaram Lamichhane, Sadiksha Lamichhane
4	Awareness of Breast Self-Examination among Female Community Health Volunteers of Pokhara	Dipti Koirala, Muna Silwal, Sushila Pokhrel, Ramesh Adhikari
5	Correlation of Oxidative Stress Markers with Thyroid Function Parameters among Adult Patients with Thyroid Disorders	Fuleshwar Mandal, Mohd. Babu Khan, Manoranjan Adak
6	Knowledge and practice of pregnant mothers' regarding exercise during pregnancy	Kishor Parajuli

Theme: Biological Sciences

Session: 2C (Campus Seminar Hall)

Chairperson: Prof. Dr. Bharat Babu Shrestha

SN	Presentation Title	Presenter(s)
1	Biologically active compounds from medicinal plants: isolation, structure elucidation, and structure-activity relationship	Khem Raj Joshi (Invited presentation)
2	Satellite Telemetry Tracking of Critically Endangered Vultures in Nepal: What They are Telling Us	Krishna Prasad Bhusal, Deu Bahadur Rana, Ishwari Prasad Chaudhary, Deelip Chand Thakuri, Ankit Bilash Joshi, John W. Mallord
3	Phytochemical Variation in <i>Amomum subulatum</i> Roxb. Fruits Cultivated in Different Agroclimatic Regions of Nepal	Narayan Singh Koiree, Gan B. Bajracharya, Rashmi Thapa, Namraj Dhami
4	Microbiology of air in Kathmandu and prevalence of <i>mecA</i> , <i>pvl</i> and <i>qacA/B</i> genes among airborne <i>Staphylococcus aureus</i> isolates	Prativa Bhandari, Sanjib Adhikari
5	Farmers' perception and adoption of management practices against tomato damage by tomato leaf miner (<i>Tuta absoluta</i>) in Pokhara, Nepal	Santosh Kafle, Aashish Karki, Prayan Pokharel

Theme: Forestry, Biodiversity, Environment and Climate Science

Session: 3A (Dean Seminar Hall)

Chairperson: Dr. Bishnu Prasad Devkota

SN	Presentation Title	Presenter(s)
	United by science: applying science, technology, and innovation to save the snow leopards in SPNP	Sheren Shrestha (Invited presentation)
	Harmony in Diversity: The Invaluable Role of Insects in Ecosystem Health	Susma Giri (Invited Presentation)
	Assessment of soil moisture under different land ecosystems and groundwater potentiality using remote sensing and geospatial approach	Sandesh Dhakal, Saroj Kandel, Rajan Subedi, Saurav Shrestha
	Community Based Home-stay Tourism for Local	Shreekanta S. Khatiwada

	Economic Development in Nepal	
	How users choose climate change adaptation practices: an insight from community forest user groups of Dang district, Nepal	Ganesh Acharya

Theme: Engineering and Technology

Session: 3B (Auditorium Hall)

Chairperson: Mr. Hari K.C.

SN	Presentation Title	Presenter(s)
1	Emerging trends in computer engineering and future opportunities	Gajendra Sharma (Invited presentation)
2	Torsional Effect on C and SiC Nanotubes: A First Principle Study	Sristi Gurung, Aabiskar Bhusal, Kapil Adhikari
3	Classification of endangered bird species of Nepal using deep learning	Abhishek Aryal, Ozone Wagle, Sandip Shrestha, Sumit Pant, Nabin Lamichhane, Khemraj Koirala
4	A Comprehensive Research on Vehicle's Crash Detection and Alert System	Manish Chhetri, Nabaraj Subedi, Nirajan Paudel, Sudarshan Acharya, Nabin Lamichhane, Khemraj Koirala
5	Image captioning in Nepali language	Nirajan Paudel, Manish Chhetri, Nabaraj Subedi, Sudarshan Acharya, Nabin Lamichhane, Khemraj Koirala
6	A study of metal-organic framework for water harvesting	Bishwas Adhikari, Anup Subedi, Aabiskar Bhusal, Kapil Adhikari

Theme: Agriculture and Interdisciplinary

Session: 3C (Campus Seminar Hall)

Chairperson: Dr. Santosh Koirala

SN	Presentation Title	Presenter(s)
1	Science, technology, and innovation policies in Nepal's federal framework	Ramesh Raj Pant, Mahesh Prasad Awasthi (Invited presentation)
2	Small irrigation users' perceptions of environmental change, impacts, and response in Gandaki River Basin	Jagadish Parajuli (Invited presentation)
3	Income and land holding disparity among large cardamom farming and its determinant in eastern corridor Nepal	Surya Mani Dhungana
4	An Action Research on Conducting Science Practical Classes by Preparing & Using Worksheets	Raj Kumar Dhakal
5	Status of Female Participation in STEM field in Gandaki Province, Nepal	Aarati K.C.
6	Fostering Peer Evaluation and CAP Domains in School Level Science Education: A Critical Reflection on the STEAM Approach	Sudarsan Limbu

Day two: February 23, 2024

Theme: Health and Medical Sciences

Session: 4A (Auditorium Hall)

Chairperson: Prof. Neeta Tamrakar

SN	Presentation Title	Presenter(s)
1	Trend analysis of brain drain among nurses in nepal	Sharada Sharma, Neeta Tamrakar, Bishnu Gurung, Nirsuba Gurung (Invited presentation)
2	Nursing Students' Perception and associated Factors of Learning Environment in different Colleges of Pokhara	Kamala Gharti, Neelam Maharjan, Gaura Gurung
3	Internet Addiction and Associated Factors among Undergraduate in Bharatpur Metropolitan City of Nepal	Kishor Adhikari, Sandhya Dahal, Amrita Ghimire
4	Barriers to Mental Health Care Services among Psychiatric Patients in Selected Hospital of Pokhara	Nisha Shrestha
5	Relationship between Job satisfaction and job commitment among nurses working in Government and Private Hospital In Nepal	Pushpa Poudel

Theme: Biological Sciences

Session: 4B (Dean Seminar Hall)

Chairperson: Dr. Namraj Dhimi

SN	Presentation Title	Presenter(s)
1	Nutraceutical value of underutilized wild edible fruits: future prospective for commercialization	Babita Paudel, Hari Datta Bhattarai (Invited presentation)
2	Chemical Isolation and antimicrobial activity in Selected Medicinal Fern Species Found in Pokhara Valley, Nepal	Ravindra Khadka, Atisammodavardhana Kaundinnyayana, Khem Raj Joshi
3	Extraction and phytochemical analysis of vegetable oils of <i>A. hypogaea</i> , <i>Z. officinale</i> and <i>C. max</i> from Syangja and Kaski districts of Nepal	Sakshyam Dhungana, Subash Pokharel, Damodar Koirala
4	Investigating suitable sampling method for early detection of canine distemper virus using qPCR	Sunil Ranabhat, Aayush Ojha, Ishwar Bhusal, Sabita Sedhai, Swostika Lamichhane, Babu Ram Lamichhane, Subodh Kumar Upadhaya
5	Genomic analysis of multi drug resistant Mycobacterium tuberculosis isolates of Nepal	Susma Subedi, Sanjaya Gautam, Namraj Dhimi

Theme: Physical Sciences

Session: 4C (Campus Seminar Hall)

Chairperson: Dr. Krishna Raj Adhikari

SN	Presentation Title	Presenter(s)
1	Development of Point-of-need Technology for Resource Limited Communities	Basant Giri (Invited presentation)
2	Material properties and next generation applications of Handmade Nepali Paper	Bhanu Bhakta Neupane, Girja Mani Aryal, Krishna Prasad Kandel, Menuka Adhikari, Basant Giri, Bhoj Raj Gautam, Khem Raj Joshi, Rajesh Pandit (Invited presentation)
3	A study of metal organic framework for carbon sequestration	Anup Subedi, Bishwas Adhikari, Aabiskar Bhusal, Kapil Adhikari
4	First-Principles Study on Selective Separation of Toxic Gases by Mg-MOF-74	Dipak Adhikari, Ravi karki, Kapil Adhikari, Nurapati Pantha

Theme: Health and Medical Sciences/Biological Sciences

Session: 5A (Auditorium Hall)

Chairperson: Ms. Sharada Sharma

SN	Presentation Title	Presenter(s)
1	Professional Quality of Life among Clinical Nurses of Pokhara during Covid-19 Pandemic	Ranjita Karmacharya
2	Awareness on Cervical Cancer and Practice related to Cervical Cancer Screening among reproductive age group women in Pokhara	Ratna Shila Banstola, Kalpana Paudel Aryal, Usha Kiran Poudel, Nisha Shrestha
3	Depression, anxiety and stress among pregnant women during COVID-19 at Pokhara valley	Sirjana Pandit Pahari, Shanti Khadka, Deepa K.C., Akriti Kafle, Anjali Parajuli
4	In silico analysis of carotenoid isomerase gene in plants	Durga Karki, Namraj Dhami
5	Synthesis of Silver Nanoparticles Using Roots of <i>Ziziphus mauritiana</i> and Evaluation of Antioxidant and Antibacterial Activity of <i>Ziziphus mauritiana</i> and Evaluation of Antioxidant and Antibacterial Activity	Lekha Nath Khanal

Theme: Engineering and Technology/Physical Sciences

Session: 5B (Dean Seminar Hall)

Chairperson: Dr. Durga Bastakoti

SN	Presentation Title	Presenter(s)
1	Advancements in organic Rankine cycle (ORC) technology towards circular economy and carbon neutrality	Suresh Baral (Invited presentation)
2	Effective Biosorption of Phosphate Ions from Aqueous Solution Using Fe(III)-Loaded Carboxyl Functionalized Banana Peels	Pukar Bhattarai, Naresh Pant, Ram Lochan Aryal

3	Selection of suitable waste to energy (WtE) technology for solid waste management	Kaushal Chandra G.C., Chaitanya Raj Adhikari
4	Recent Seismic Activity in Central Himalayan Region	Rudra Prasad Poudel, Ram Krishna Tiwari, Harihar Paudyal

Theme: Mathematics

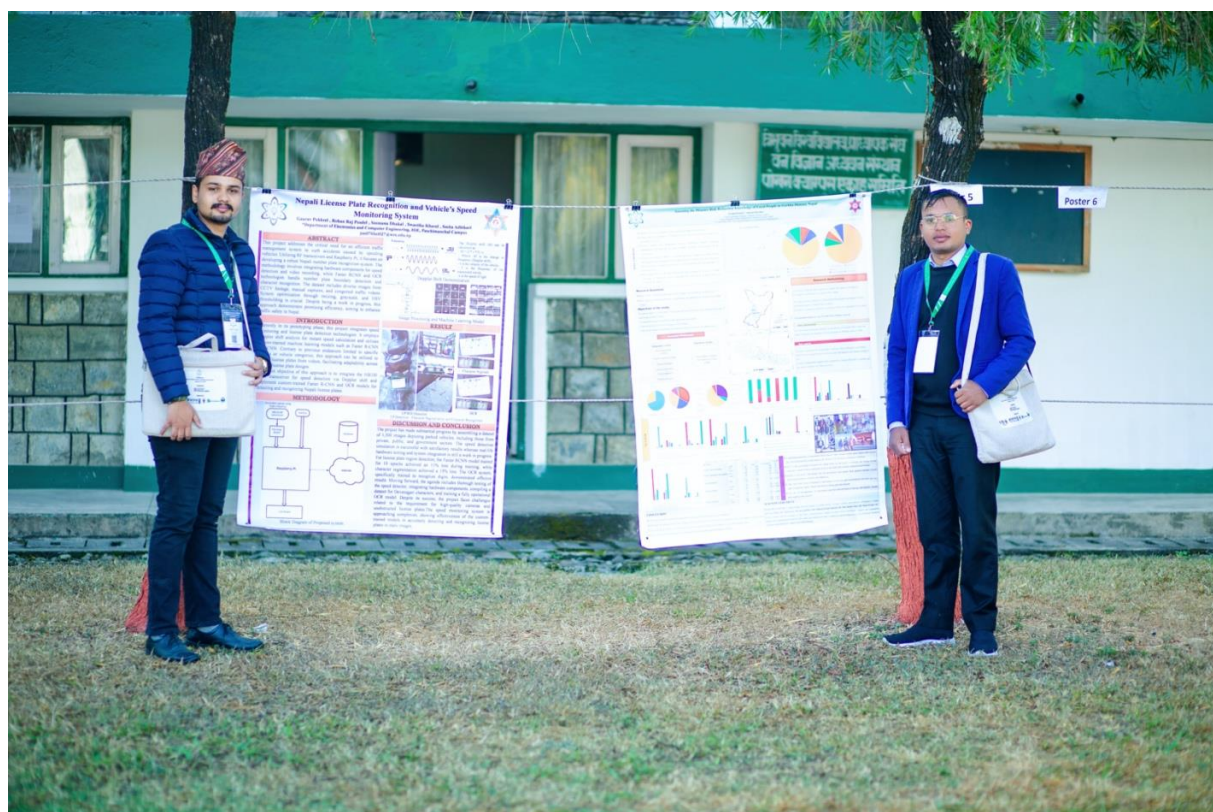
Session: 5C (Campus Seminar Hall)

Chairperson: Prof. Dr. Vikash Kumar KC

SN	Presentation Title	Presenter(s)
1	A Systematic Review of Teacher's Perceptions and Beliefs towards Gender Issues in Mathematics Learning	Laxmi Sharma, Lekhnath Sharma, Bishnu Khanal, Dinesh Panthi
2	Generalization of Classical Summation Relation of Certain Appell's Double Hypergeometric Functions Associated with Theory of Approximation	Madhav Prasad Poudel, Narayan Prasad Pahari, Suresh Kumar Sahani, Ganesh Bahadur Basnet, Resham Poudel
3	A Self-Directed Learning Model for School Students: Shifting from Teacher-Directed to Autonomous Learning	Maheshwor Pokhrel, Lekhnath Sharma

Poster Presentations

Participants had the opportunity to discuss on different research initiatives of poster presenters across all themes on both days. Researchers presented their posters and participants had interacted during the poster sessions. Altogether, there were thirty-one posters presented during the conference.



Day one: February 22, 2024

SN	Presentation Title	Presenter(s)
1	Development and quality evaluation of biodegradable edible cutlery: a replacement for a conventional one	Grishma Shrestha, Rachana Karki, Bishal Thagunna
2	Methicillin-resistant <i>Staphylococcus aureus</i> in nasal carriage among paramedical students	Alina Sharma, Bhawana Baral
3	A study on mycelial growth pattern of <i>Amanita chepangiana</i> , a wild edible mushroom, on different nutrient sources	Khadananda Acharya
4	Encapsulation of extracted oil from ethnomedicinal plants in alginate beads	Manish Kunwar, Alina Kunwar, Kriti Shrestha
5	Comprehensive review on renewable energy in nepal: current and future prospects, problems, opportunities, and challenges	Dipesh KC
6	Nepali license plate recognition and speed monitoring system	Gaurav Pokhrel, Rohan Raj Poudel, Seemana Dhakal, Swastika Kharel , Smita Adhikari, Nabin Lamichhane
7	Design and fabrication of aqua silencer	Prabin Acharya, Binay Devkota, Ramesh Bhattarai, Sabin Baniya, Sagar Adhikari, Rajesh Bhattarai
8	Airborne lidar mapping technology: a case study from hydro-electric projects in Nepal	Suman Sharma, Ashish Gautam, Ashok Thakulla
9	Quantification of above ground biomass and carbon stock using sentinel-2 multispectral imagery datasets: an integrated modelling aapproach using field based data and remote sensing data (a case study of Nawalpur district)	Arbin Poudel, Kabita Gaire, Lila Puri, Saroj Panthi
10	Nitrogen and metal-ions accumulation in two sensitive himalayan lichens from western Nepal; a reference for ecosystem health monitoring	Hirendra Bista, Suman Prakash Pradhan, Bishal Lamsal, Nirvik Dotel, Bishnu Prasad Pandey, Subodh Sharma
11	Health seeking behaviour of people with palliative care needs in rural Nepal: a cross-sectional study	Amrita Thapa, Arati Poudel, Sunita Bhandari, Adipti Pantha, Daniel Munday, Namuna Shrestha
12	Rice bran varieties of Nepal: assessment of phytochemical screening, tlc profiling, total reducing sugar, antioxidant and antibacterial activities	Bhagwati Karki, Subhadra Regmi, Sudha Bhattarai, Sushila Lamichhane
13	Assessing the indicators of the good pharmacy practice guideline in pharmacy of Hetauda Sub-metropolitan City, Nepal	Biswash Sapkota, Bipindra Pandey, Anisha Karki and Aashish Malla

14	Study of microbial diversity in oral cavity of Kathmandu residents	Kritee Bhattarai, Samjhana Kafle, Bharosha Adhikari, Meena Tamang, Roji Raut, Ramswarth Sah, Saurab Baral, Christina Thapa
15	Exploring <i>Calotropis</i> : chemical ecology, biodiversity and sustainable agriculture	Prayan Pokharel
16	Extraction and Visualization of Educational Data from UGC Reports: A Data Science Approach	Santosh Koirala, Prayan Pokharel, Dhaka Ram Bhandari

Day two: February 23, 2024

SN	Presentation Title	Presenter(s)
1	<i>Cymbopogon citratus</i> and <i>Artemisia dubia</i> essential oils: extraction, characterization, antioxidant and antimicrobial activity	Manisha Gurung, Khem Raj Joshi, Sushil Pant
2	Anti-bacterial and antioxidant activities of selected medicinal plants and formulation of gel from potent plant	Sita Kumari Kohar, Shila Gurung, Nirmala Jamarkattel
3	Biofilm cells of basidiomycetous yeast <i>Trichosporon asahii</i> display robust stress tolerance to various abiotic stresses	Yang Metok, Supram Hosuru Subramanya, Niranjana Nayak
4	Qualitative phytochemical analysis and characterization of black cardamom and satuwa (a case study of Lamjung district)	Kabita Gaire, Arbin Poudel, Jit Narayan Shah
5	Modelling aboveground forest biomass and carbon using remote sensing in tropical forest of Nepal	Saroj Kandel, Rajan Subedi, Rajeev Bhattarai, Sandesh Dhakal
6	Cultivation and marketing of <i>Anacyclus pyrethrum</i> (Akarkara): a case study from Brigunj Metropolitan City and Parsagadhi Municipality of Parsa district, Nepal	Yasmin Chaudhary
7	Comparative study on phytochemical screening, antioxidant and antibacterial activity of <i>Anethum graveolens</i> seeds of different locations of Nepal	Rashmi Thapa, Bina Shrestha, Sandeepa Paudel, Sangita Gautam, Shanti Sharma
8	Quality assessment of Gagangauda drinking water supply, Pokhara Metropolitan City, Nepal	Sajina Paudel, Susmita Baral, Sanjita Timilsina, Hem Kumari Gurung
9	Socio-psychological behavior on covid-19 patients from neighbor during home isolation in Kathmandu valley	Sachita Barma, Mukesh K. Lal Das, Puja Patel, Sanjeev Gurung
10	Revolutionizing intra-city travel through mobile apps in Nepal: possibilities and challenges	Aayusha Hamal
11	Teachers' experiences and practices of using ICT in Nepali community schools: A narrative inquiry	Chandra Bahadur Khadka

12	Assessing the disaster risk reduction knowledge of local people in Gorkha district, Nepal	Pradip Devkota, Santosh Shrestha
13	Super-absorbent polymer for eco-friendly sanitary towels, diapers, and surgical pads	Sanjib Poudel, Suman Kamar, Sujan Kamar, Smriti Shrestha, Bimala Paudel, Krishna Gurung, Narayan Datta Bastakoti, Ram Jeewan Yadav
14	Study of basic quantum gates	Nishan Paudel, Hari K.C
15	Phytochemical screening and quality assessment of marketed polyherbal syrups	Sobit Poudel, Rashmi Thapa

CLOSING CEREMONY



The conference concluded with a formal closing ceremony chaired by Prof. Binod Prasad Heyojoo, coordinator of the conference organizing committee and campus chief of Institute of Forestry, Pokhara Campus. During the closing ceremony, student volunteers were acknowledged with token of appreciation.

The best three posters were awarded with cash prize and certificate. The best poster presenter award was provided to Sachita Barma, Mukesh K. Lal Das, Puja Patel, Sanjeev Gurung for their poster titled, "Socio-psychological behavior on COVID-19 patients from neighbor during home isolation in Kathmandu valley", with cash prize of NRs 10000. Pradip Devkota and Santosh Shrestha secured second position for their poster titled, "Assessing the disaster risk reduction knowledge of local people in Gorkha district, Nepal", received NRs 6000. Similarly, the third prize was awarded to Dipesh KC for their poster titled, "Comprehensive review on renewable energy in Nepal: Current and future prospects, problems, opportunities, and challenges", with cash of NRs 4000.

Dr. Namaraj Dhami, representing Pokhara University delivered the closing remarks, along with an information that the next RTSTI conference 2025 will be hosted by Pokhara University on February 2025. Additionally, Dr. Dhakaram Bhandari, Director of Gandaki Province Academy of Science and Technology and Prof. Dr. Bir Bahadur Khanal Chhettri, Dean of the Institute of

Forestry highlighted the conference outcomes. Dr. Krishna Chandra Devkota, Vice-Chair of Gandaki Provincial Policy and Planning Commission, Gandaki Province addressed the closing ceremony as a chief guest. Dr. Devkota expressed his commitment for supporting scientific research from the Gandaki Province. Prof. Binod Prasad Heyojoo extended gratitude to all the valuable guests, presenters, participants, supporters for contributing to the success of the conference.

ABOUT THE ORGANIZER

The Institute of Forestry, Pokhara Campus (IOF-PC) was the organizer of the RTSTI Conference 2024. The IOF-PC, the first Quality Assurance Accreditation (QAA) certified forestry based academic institution of Nepal, was established in 1981. IOF-PC has been producing competitive forestry professionals for the last four decades. It has always endeavoured to be more adaptive and responsive to the ever-changing needs of the country to develop competent human resources. It has envisioned itself as a centre of excellence, premier national centre of forestry education capable of addressing national forestry issues related to natural resource management and sustainable development of the nation. In line with its dedication to excellence in teaching and learning, IOF-PC offers a four-year Bachelor of Science in Forestry program, as well as four two-year Master of Science programs, specializing in a) Forestry, b) Natural Resource Management and Rural Development, c) Watershed Management, and d) Community Forestry.

[Video clip about Institute of Forestry, Pokhara Campus available.](#)

ABOUT THE CO-ORGANIZER

Gandaki Province Academy of Science and Technology (GPAST), the co-organizer of the RTSTI Conference 2024, is an autonomous institution located in Pokhara, Kaski, Nepal. The academy brings together multiple stakeholders for designing and executing activities related to Science, Technology, and Innovations (STI) to create a suitable atmosphere for research and innovations in Gandaki Province. Furthermore, the academy also aims to promote the skills and knowledge of youths, scientists, and technicians for preparing them to lead the STI sector in Gandaki Province.

ASSOCIATE PARTNERS

The Higher Educational Institutions (HEIs) in Gandaki province were the Associated Partners of the conference. In the RTSTI conference 2024, the following institutions were actively involved as the associated partners in organizing the conference.

1. Himalayan Eye Hospital
2. International Nepal Fellowship/Green Pasture Hospital
3. Pokhara Nursing Campus
4. Institute of Engineering, Paschchmanchal Campus
5. Prithivi Narayan Campus
6. Pokhara University
7. Pokhara Academy of Health Sciences
8. Nepal Scientific Instrument Solution

CONFERENCE ORGANIZING COMMITTEE

SN	Name	Role	Institution
1	Prof. Binod Prasad Heyojoo	Chair	Institute of Forestry, Pokhara Campus
2	Prof. Rajesh Kumar Thagurathi	Member	Pokhara University, Faculty of Science and Technology
3	Dr. Amar Nagila	Member	Pokhara University, Faculty of Health Science
4	Dr. Kapil Dhungana	Member	Gandaki University
5	Prof. Neeta Tamrakar	Member	Institute of Medicine, Pokhara Nursing Campus
6	Er. Nirmal Prasad Baral	Member	Institute of Engineering, Paschimanchal Campus
7	Mr. Hari Prasad Khanal	Member	Pokhara Bigyan tatha Prabidhi Campus
8	Prof. Dr. Durga Devkota	Member	Agriculture and Forestry University, Puranchaur Campus
9	Dr. Namraj Dhimi	Member	Pokhara University Research Centre
10	Dr. Dhaka Ram Bhandari	Member	Gandaki Province Academy of Science and Technology
11	Mr. Min Raj Lamsal	Member	Prithivi Narayan Campus
12	Mr. Birendra Khadka	Member	Gandaki College of Engineering and Sciences
13	Dr. Ram Jeevan Yadav	Member	Nepal Chemistry Society
14	Dr. Krishna Raj Adhikari	Member	Nepal Physical Society, Gandaki Province
15	Mr. Nabaraj Neupane	Member	Nepal Geological Society, Gandaki Province
16	Mr. Nishan Lamichhane	Member	Pokhara Astronomical Society
17	Mr. Prakash Poudel	Member	Nepal Pharmaceutical Association,

			Gandaki Province
18	Mr. Sushil Dhungana	Member	Green Biotech Company
19	Mr. Raj Kumar Dhakal	Member	Science Teachers Association of Nepal, Kaski
20	Dr. Bishnu Prasad Devkota	Member Secretary	Institute of Forestry, Pokhara Campus

CONFERENCE SECRETARIAT TEAM

1. Dr. Bishnu Prasad Devkota, Institute of Forestry, Pokhara
2. Dr. Shes Kanta Bhandari, Institute of Forestry, Pokhara
3. Dr. Bishnu Hari Wagle, Institute of Forestry, Pokhara
4. Dr. Deepa Paudel, Institute of Forestry, Pokhara
5. Dr. Shreekanth Sharma Khatriwada, Institute of Forestry, Pokhara
6. Dr. Santosh Koirala, Gandaki Province Academy of Science and Technology, Pokhara
7. Dr. Pryan Pokhrel, Gandaki Province Academy of Science and Technology, Pokhara
8. Mr. Deepak Lamichhane, Institute of Forestry, Pokhara

CONFERENCE SPONSORS

A special big thanks goes to these organizations for their contributions for the success of the Conference on Recent Trends in Science, Technology and Innovation 2024.

1. Integrated Landscape Management to Secure Nepal's Protected Areas and Critical Corridors (ILaM) Project, Kathmandu, Nepal
2. WWF Nepal, Baluwatar, Kathmandu
3. The Biodiversity Finance Initiative/United Nations Development Program, Kathmandu
4. Geo 3D Modelling Pvt. Ltd. Kathmandu
5. Pokhara Metropolitan City, Pokhara
6. Annapurna Conservation Area Project, Pokhara

THE WAY FORWARD

The conference on Recent Trends in Science, Technology and Innovation 2024 was the 3rd series that reflected our shared commitment to staying at the forefront of knowledge and innovation for human welfare. The overwhelming participation of academicians, researchers, and students; the increasing trend of research-based teaching learning practices and the active support of all supporters was encouraging for more research in science and technology. The take home message from the keynotes are failures are lessons, multidisciplinary research is essential in the present context, and collaboration is path for interdisciplinary research. This type of multi-disciplinary conference was an opportunity for policy makers to understand how investment in research and innovation can guide future generation for sustainable development. Practically, such types of conferences organized and hosted within the premises of an academic institutions are great learning opportunities for all stakeholders, an ideal and holistic approach of getting engaged.

The institutional involvement of all academic and research institutions within the Gandaki province in the conference was however limited. Government does not seem to consider academic and research institutions as knowledge hub, but as institutions doing their usual business. Academic and research institutions are the least prioritized institution in Nepal. Research and their dissemination are an integral part of development. More investment is needed in research and education for creating responsible future generation, responsible to human and nature.

The multi-institutional connectivity in the conference has opened new opportunities for future collaboration, particularly the interest of development-based institutions to support education and research was encouraging. Development partners should be involved in skill-based education, research and training through collaborative approach. As the investment of government in research is nominal, enabling policies and plans need to be created for the involvement of private sector as well.

ANNEXES

Annex-1: Program Schedule

Conference on
Recent Trends on Science, Technology and Innovation 2024 (RTSTI 2024)

February 22- 23, 2024

Institute of Forestry, Pokhara Campus, Pokhara

Program Schedule

Thursday 22 February (Day 1)	
Time	Program
Opening Session	
07:30 - 08:30	Registration/Breakfast
08:30 - 08:40	Chairing
08:40 - 08:50	Welcome note: Dr. Bishnu Pd. Devkota (Conference Secretariat)
08:50 - 09:00	Welcome performance by students
09:00 - 09:05	Inauguration
09:05 - 10:05	Keynote I : Sir Richard John Roberts
Opening Remarks	
10:05 - 10:10	Prof. Dr. Bir Bahadur Khanal Chhetri
10:10 - 10:15	Prof. Dr. Dipak Bahadur Bhandari, Registrar, Pokhara University
10:15 - 10:20	Prof. Dr. Nabraj Devkota, VC, Gandaki University
10:20 - 10:30	Prof. Dr. Dilip Subba, VC, National Academy of Science and Technology (Chief guest)
10:30 - 10:40	Prof. Binod Pd. Heyojoo, Conference Chair
10:40 - 11:10	Break
Parallel Sessions	
11:10 - 12:30	Session I-A (Forestry); Session I-B (Health); Session I-C (Biological Sciences)
12:30 - 14:00	Lunch and Poster Session
14:00 - 15:20	Session II-A (Forestry); Session II-B (Health); Session II-C (Biological Sciences)
15:20 - 15:45	Break (High Tea)
15:45 - 17:00	Session III-A (Forestry); Session III-B (Engineering and Technology) Session III-C (Agriculture/Interdisciplinary)
Friday 23 February (Day 2)	
08:00 - 09:00	Registration/Breakfast
09:00 - 10:00	Keynote II: Dr. Meghnath Dhimal
10:00 - 10:15	Break

Parallel Sessions	
10:15 - 11:15	Session IV-A (Health); Session IV-B (Biological Sciences) Session IV-C (Physical Sciences)
11:15 - 12:30	Lunch and Poster Session
12:30 - 13:30	Session V-A (Health/ Biological Sciences); Session V-B (Engineering/Physical Sciences); Session V-C (Mathematics)
13:30 - 13:45	Break
Closing Session	
13:45 - 13:55	Chairing
13:55 - 14:05	Presentation by Pokhara University for RTSTI 2025
14:05 - 14:25	Awards and Token of Appreciation
Closing Remarks	
14:25 - 14:35	Dr. Dhakaram Bhandari, Executive Director, GPAST
14:35 - 14:45	Dr. Krishna Chandra Devkota, Vice Chairperson, Gandaki Provincial Policy and Planning Commission (Chief guest)
14:45 - 14:55	Vote of thanks and closing: Prof. Binod Pd. Heyojoo
14:55 -	High Tea and Departure

Annex-2: List of Participants

SN	Full Name	Institution
1	Aarati KC	Gandaki Province Academy of Science and Technology
2	Aashma Chapagain	Pokhara Nursing Campus, TU
3	Aastha Shakya	Kathmandu University
4	Aayush Ojha	Kathmandu University
5	Aayusha Hamal	Tech Access Nepal
6	Ajay Kumar Sah	School of Health and Allied Sciences, Pokhara University
7	Ajay Neupane	Gandaki Province Academy of Science and Technology
8	Akriti Kafle Baral	Zhengzhou University
9	Alina Kunwar	Novel Academy
10	Alina Sharma	School of Health and Allied Sciences, Pokhara University
11	Aman Shakya	Pokhara Academy of Health Sciences
12	Amar Nagila	Pokhara University
13	Amrita Shrestha	International Nepal Fellowship, Green Pasture Hospital
14	Amrita Thapa	International Nepal Fellowship, Green Pasture Hospital
15	Anil Timilsina	Pokhara University
16	Anisha Koirala	Prithivi Narayan Campus (TU)
17	Anju Upadhyaya	Institute of Forestry, Pokhara
18	Anup Subedi	Prithvi Narayan Campus (TU)
19	Arati Poudel	International Nepal Fellowship, Green Pasture Hospital
20	Arbin Poudel	Institute of Forestry, Pokhara
21	Arun Budha	International Nepal Fellowship, Green Pasture Hospital
22	Ashish Gautam	Geo 3D Modeling Pvt. Ltd
23	Ashok Thakulla	Geo 3D Modeling Pvt. Ltd
24	Avishek Hamal	Friends of Nature
25	Babita Paudel	Center for Natural and Applied Sciences, Kathmandu
26	Bal Ram Dhungana	Institute of Forestry, Pokhara
27	Bandana Shakya	ICIMOD
28	Basant Giri	Kathmandu Institute of Applied Sciences
29	Bhanu Bhakta Neupane	Central Department of Chemistry, TU
30	Bharat Babu Shrestha	Central Department of Botany, TU
31	Bharat Gotame	ILaM Project

32	Bharosha Adhikari	SANN International College, Purbanchal University
33	Bijaya Tripathi	Nepal Pharmaceutical Association, Gandaki Province
34	Bijendra Basnet	BIOFIN/UNDP Nepal
35	Bikash Thapa Magar	Prithvi Narayan Campus (TU)
36	Bimala Bhurtel	Pokhara Nursing Campus, TU
37	Bimala Paudel	Prithvi Narayan Campus (TU)
38	Binita Khaural	Pokhara Nursing Campus, TU
39	Binod Bahadur Thapa	Institute of Forestry, Pokhara
40	Binod Prasad Heyojoo	Institute of Forestry, Pokhara
41	Bir Bahadur Khanal Chhetri	Institute of Forestry, Kathmandu
42	Bishal Thagunna	Pokhara Bigyan Tatha Prabidhi Campus
43	Bishnu Giri	International Nepal Fellowship, Green Pasture Hospital
44	Bishnu Gurung	Pokhara Nursing Campus, TU
45	Bishnu Hari Wagle	Institute of Forestry, Pokhara
46	Bishnu Prasad Devkota	Institute of Forestry, Pokhara
47	Bishnu Raj Tiwari	Pokhara University
48	Bishwas Adhikari	Prithvi Narayan Campus (TU)
49	Bismita Aryal	Institute of Forestry, Pokhara
50	Biswash Sapkota	Madan Bhandari Academy of Health Sciences
51	Brihaspati Rimal	Chitwan Medical College, Bharatpur
52	Chandra Bahadur Khadka	Shree Bhimsen Secondary School
53	Chandrakala Sharma	CMC Nepal
54	Chiranjibi Adhikari	School of Health and Allied Sciences, Pokhara University
55	David Shrestha	Pokhara Academy of Health Sciences
56	Deepa Paudel	Institute of Forestry, Pokhara
57	Deepak Lamichhane	Institute of Forestry, Pokhara
58	Dev Narayan Yadav	Institute of Forestry, Pokhara
59	Dhaka Ram Bhandari	Gandaki Province Academy of Science and Technology
60	Dilaram Lamichhane	National innovation center
61	Dilip Subba	Nepal Academy of Science and Technology
62	Dilli Prasad Paudel	Institute of Forestry, Pokhara
63	Dipak Adhikari	Tribhuvan University
64	Dipak Bahadur Bhandari	Pokhara University

65	Dipak Paudel	Gandaki Province Academy of Science and Technology
66	Dipesh KC	Kathmandu University
67	Dipti Koirala	Gandaki medical college
68	Dol Raj Thanet	Institute of Forestry, Hetauda
69	Dum Kumari Pun	International Nepal Fellowship, Green Pasture Hospital
70	Durga Banstakoti	Pashchimanchal Campus, Pokhara
71	Durga Devkota	Agriculture and Forestry University
72	Durga Karki	Pokhara University
73	Eliya Shrestha	Himalaya Eye Hospital
74	Fuleshwar Mandal	Chitwan Medical College, Bharatpur
75	Gajendra Sharma	Kathmandu University
76	Ganesh Raj Acharya	Institute of Forestry, Kathmandu
77	Garima Gurung	Institute of Forestry, Pokhara
78	Gaurab Bhandari	Gandaki University
79	Geeta Devi Ghimire	Pokhara Nursing Campus, TU
80	Ghanendra Khanal	Ministry of Industry, Tourism, Forest and Environment
81	Grishma Shrestha	Tribhuvan University
82	Hari KC	Pashchimanchal Campus, Pokhara
83	Hirendra Bista	Kathmandu University
84	Homnath Pathak	Prithivi Narayan Campus (TU)
85	Isha Pokharel	Institute of Forestry, Pokhara
86	Jagadish Parajuli	Youth Alliance for Environment
87	Jalpa Sapkota	Prithivi Narayan Campus (TU)
88	Jeni Dhungana	Institute of Forestry, Pokhara
89	Jit Narayan Sah	Institute of Forestry, Pokhara
90	Jyoti Bhandari	Institute of Forestry, Pokhara
91	Kabita Gaire	Institute of Forestry, Pokhara
92	Kamal Thapa	Institute of Forestry, Kathmandu
93	Kamala Gharti	Pokhara Nursing Campus, TU
94	Kapil Adhikari	Gandaki University
95	Karuna Thapa	International Nepal Fellowship, Green Pasture Hospital
96	Kaushal Chandra G.C.	Pashchimanchal Campus, Pokhara
97	Kedar Prasad Shrestha	Institute of Forestry, Pokhara

98	Keshav Singh Air	Institute of Forestry, Pokhara
99	Khadananda Acharya	Balkumari College, Bharatpur, Chitwan
100	Khem Raj Joshi	School of Health and Allied Sciences, Pokhara University
101	Khem Raj Neupane	Prithvi Narayan Campus (TU)
102	Kishor Adhikari	Chitwan Medical College, Bharatpur
103	Kishor Parajuli	Gorkha Welfare Trust
104	Komal Prasad Malla	School of Health and Allied Sciences, Pokhara University
105	Krishna Bahadur Karki	Institute of Forestry, Pokhara
106	Krishna Chandra Devkota	Gandaki Province Policy and Planning Commission
107	Krishna Prasad Bhusal	Biodiversity Research Institute, Mieres, Spain.
108	Krishna Puri	Institute of Forestry, Pokhara
109	Krishna Raj Adhikari	Nepal Physical Society, Gandaki Province
110	Krishna Raj Adhikari	Pokhara Academy of Health Sciences
111	Kritee Bhattarai	SANN International College, Purbanchal University
112	Kriti Sharma	Institute of Forestry, Pokhara
113	Kriti Shrestha	Novel Academy
114	Laxman Banstola	Pokhara Academy of Health Sciences
115	Laxmi Sharma	Nepal Sanskrit University
116	Lekha Nath Khanal	Prithvi Narayan Campus (TU)
117	Lila Puri	Institute of Forestry, Pokhara
118	Lok Bahadur Lamichhane	Institute of Forestry, Pokhara
119	Madhav Prasad Poudel	Pokhara University
120	Madhavi Parajuli	Institute of Forestry, Hetauda
121	Mahendra singh Thapa	Institute of Forestry, Pokhara
122	Maheshwor Pokhrel	Tribhuban university
123	Mahima Bhattarai	International Nepal Fellowship, Green Pasture Hospital
124	Mamata Ranabhat	Pokhara Nursing Campus, TU
125	Mamata Sharma	Forest Research and Training Centre
126	Manish Chhetri	Pashchimanchal Campus, Pokhara
127	Manish kunwar	Novel Academy, Purwanchal University
128	Manisha Gurung	School of Health and Allied Sciences, Pokhara University
129	Meghnath Dhimal	Nepal Health Research Council
130	Mohan Prasad Sharma	Institute of Forestry, Pokhara

131	Monika Gurung	Prithivi Narayan Campus (TU)
132	Naba Raj Neupane	Nepal Geological Society, Gandaki Province
133	Nabraj Devkota	Gandaki University
134	Namraj Dhimi	Pokhara University
135	Namrata Sapkota	Prithivi Narayan Campus (TU)
136	Narayan Prasad Gautam	Institute of Forestry, Pokhara
137	Narayan Singh Koiree	School of Health and Allied Sciences, Pokhara University
138	Neeta Tamrakar	Pokhara Nursing Campus, TU
139	Nirajan Paudel	Pashchimanchal Campus, Pokhara
140	Nirjala Rawat	Institute of Forestry, Pokhara
141	Nirmal Prasad Baral	Pashchimanchal Campus, Pokhara
142	Nirmala Basnet	Institute of Forestry, Pokhara
143	Nirsuba Gurung	Pokhara Nursing Campus, TU
144	Nisha Shrestha	Pokhara Nursing Campus, TU
145	Nishan Poudel	Prithivi Narayan Campus (TU)
146	Orchid Rosy Puri	Institute of Forestry, Pokhara
147	Pabitra Jha	Institute of Forestry, Pokhara
148	Parbati Thapa	School of Health and Allied Sciences, Pokhara University
149	Prabesh Bohara	Institute of Forestry, Pokhara
150	Prabin Acharya	Pashchimanchal Campus, Pokhara
151	Pradip Devkota	Tribhuvan University
152	Pragya Marasini	Institute of Forestry, Pokhara
153	Prakash Poudel	Nepal Pharmaceutical Association, Gandaki Province
154	Pratiraksha Koirala	Institute of Forestry, Pokhara
155	Prativa Bhandari	Central Department of Microbiology, TU
156	Prava Thapa	Pokhara Nursing Campus, TU
157	Prayan Pokharel	Gandaki Province Academy of Science and Technology
158	Priyanka Uprety	Pokhara Nursing Campus, TU
159	Pukar Bhattarai	Amrit Campus, TU
160	Pushpa Poudel	Pokhara University
161	Rachana Karki	Tribhuvan University
162	Raj Kumar Dhakal	Gandaki Boarding School/ STAN Gandaki Province
163	Raj Kumar Koirala	Institute of Forestry, Pokhara

164	Rajan Subedi	Institute of Forestry, Pokhara
165	Rajesh Kumar Thagurathi	Pokhara University
166	Rajesh Pandit	Trichandra Multiple Campus
167	Ram Jeevan Yadav	Nepal Chemistry Society, Gandaki Province
168	Ram Neupane	Institute of Forestry, Pokhara
169	Ram Prasad Sharma	Institute of Forestry, Pokhara
170	Ramesh Bhattarai	Pashchimanchal Campus, Pokhara
171	Ramesh Raj Pant	Central Department of Environmental Sciences, TU
172	Ramlal Paudel	Institute of Forestry, Pokhara
173	Rammani Adhikari	Pokhara University
174	Rammani Adhikari	Pokhara University
175	Rang Jyung Tamang	Pokhara Nursing Campus, TU
176	Ranjita Karmacharya	Pokhara Nursing Campus, TU
177	Rashmi Thapa	Pokhara University
178	Ratnashila Bastola	Pokhara Nursing Campus, TU
179	Ravindra khadka	Pokhara University
180	Rebika Gurung	Annapurna Conservation Area Project
181	Rita Thapa	Institute of Forestry, Pokhara
182	Rohan Raj Poudel	Pashchimanchal Campus, Pokhara
183	Rudra Prasad Poudel	Central Department of Physics, TU
184	Sabin Baniya	Pashchimanchal Campus, Pokhara
185	Sabina Lamichhane	Institute of Forestry, Pokhara
186	Sacheena Thapa	Prithvi Narayan Campus (TU)
187	Sachita Barma	School of Health and Allied Sciences, Pokhara University
188	Sajina Paudel	Pokhara University
189	Sakshyam Dhungana	Institute of Science and Technology, TU
190	Samiksha Gautam	Prithvi Narayan Campus (TU)
191	Samir Karki	Institute of Forestry, Pokhara
192	Samjhana Kafle	SANN International College, Purbanchal University
193	Sandesh Dhakal	Institute of Forestry, Pokhara
194	Sanjib Poudel	Prithvi Narayan Campus (TU)
195	Santosh Bhandari	Pokhara University
196	Santosh Kafle	Gandaki Province Academy of Science and Technology

197	Santosh Koirala	Gandaki Province Academy of Science and Technology
198	Sarala Bhatta Bhandari	School of Health and Allied Sciences, Pokhara University
199	Sarita Khatri	Prithivi Narayan Campus (TU)
200	Saroj Kandel	Institute of Forestry, Pokhara
201	Sharada Sharma	Pokhara Nursing Campus, TU
202	Sheren Shrestha	WWF Nepal
203	Shes Kanta Bhandari	Institute of Forestry, Pokhara
204	Shiv Kumar Manjan	Institute of Forestry, Hetauda
205	Shova Joshi	Institute of Forestry, Pokhara
206	Shree Krishna Shrestha	Pokhara Academy of Health Sciences
207	Shreekant Sharma Khatiwada	Institute of Forestry, Pokhara
208	Sikha Dangi	Institute of Forestry, Pokhara
209	Sikshya Dhakal	Prithivi Narayan Campus (TU)
210	Sir Richard John Roberts	New England BioLabs
211	Sirjana Pandit Pahari	Charak Academy Pokhara , Purbanchal University
212	Sita Kumari Kohar	School of Health and Allied Sciences, Pokhara University
213	Smriti Sapkota	Prithivi Narayan Campus (TU)
214	Smriti Shrestha	Prithvi Narayan Campus (TU)
215	Sovit Koirala	Annapurna Conservation Area Project
216	Sovit Poudel	School of Health and Allied Sciences, Pokhara University
217	Sristi Gurung	Physics Research Initiatives
218	Sudarsan Limbu	Kathmandu University
219	Sudha Bhattarai	School of Health and Allied Sciences, Pokhara University
220	Sujan Kamar	Prithvi Narayan Campus (TU)
221	Suman Bhattarai	Institute of Forestry, Pokhara
222	Suman Kamar	Prithvi Narayan Campus (TU)
223	Suman Sharma	Geo 3D Modeling Pvt. Ltd
224	Sumit Pant	Pashchimanchal Campus, Pokhara
225	Sunil Ranabhat	Kathmandu University
226	Sunita Devkota	Gandaki Province Academy of Science and Technology
227	Suraj Paudel	Institute of Forestry, Pokhara
228	Suraj Sharma	Annapurna Conservation Area Project
229	Suresh Baral	Pokhara University

230	Surya Bahadur Chhetri	Institute of Forestry, Pokhara
231	Surya Kumar Maharjan	Institute of Forestry, Hetauda
232	Surya Mani Dhungana	Agriculture and Forestry University
233	Sushila Lamichhane	School of Health and Allied Sciences, Pokhara University
234	Susma Giri	Kathmandu Institute of Applied Sciences
235	Susma Subedi	Pokhara University
236	Tara Adhikari	Pokhara Nursing Campus, TU
237	Taranath Baral	Institute of Forestry, Pokhara
238	Toran Baniya	Pokhara Metropolitan City, Ward No 15
239	Uttam Humagain	Institute of Forestry, Pokhara
240	Vikash Kumar KC	Pashchimanchal Campus, Pokhara
241	Yajna Prasad Timilsina	Institute of Forestry, Pokhara
242	Yang Metok	Charak Memorial Hospital, Nepal
243	Yasmin Chaudhary	Institute of Forestry, Pokhara
244	Yubraj Upadhayay	Institute of Forestry, Pokhara