

ANMA 2023-2025 Newsletter

Association of Nepalese Mathematicians in America

Issue 4 | January 2025

A Message from the President

Dear ANMA Members and Friends,

As the 2023–2025 term concludes, it is my honor and privilege to address you through this message in the fourth edition of the ANMA newsletter. This publication stands as a testament to the dedication, passion, and collective achievements of our vibrant community of Nepalese professionals in the mathematical sciences in the USA.

Over the past two years, ANMA has witnessed remarkable growth in its initiatives, fostering connections within the mathematical community and extending our reach to advance scholarly pursuits in Nepal. From the successful AMNS-2023 Conference in Pokhara, which brought together global scholars, to impactful programs such as the CIMPA Summer School, Workshop on Collaborative Research on Mathematical Sciences, and the NMS-ANMA Undergraduate Research Fellowship, our organization has taken significant strides in advancing mathematical sciences, fostering research, and promoting education. Equally inspiring is the launch of our ANMA Undergraduate Scholarship Program, which reflects our commitment to empowering the next generation of mathematicians in Nepal.

Our community continues to thrive and expand, reflecting the shared passion and dedication that define ANMA. Over the past two years, we have proudly welcomed 52 new members, including both renewed term members and new life members. This growth reflects our collective commitment to advancing mathematical sciences and building a supportive, dynamic network of scholars and professionals.

Looking ahead, ANMA continues its activities with renewed energy and deeper engagement, including AMNS-2026 Conference and Summer School in Nepal. These events promise to be transformative, fostering interdisciplinary research, advancing mathematics through innovative applications, and strengthening international collaboration. I encourage all members to actively participate, contribute to their success, and help shape a brighter future for mathematical sciences. At the heart of ANMA lies our shared vision of fostering a vibrant community that inspires, innovates, and uplifts. Let us continue to advance mathematical sciences and build bridges between the USA and Nepal, enriching both communities in the process.

As we celebrate these achievements, it is important to recognize the incredible efforts of our members, advisors, collaborating institutions, and supporting partners. I extend my heartfelt gratitude to the ANMA executive committee for their tireless dedication and leadership, which have been instrumental in realizing our vision, and to the editorial team of this newsletter for their exceptional work in highlighting our accomplishments and inspiring the community through this publication. It has been a privilege to serve as your president, and I look forward to the continued growth and success of our community.

With warm regards,

Dr. Ram C. Kaffle

President, ANMA (2023-2025)



Editorial

We are delighted to present the fourth issue of the ANMA newsletter, a reflection of the collaborative efforts among ANMA members and partnering institutions whose contributions have been vital in the success of ANMA's initiatives. In this issue, we aim to highlight recent ANMA activities, key events, and notable achievements that reflect our shared vision and commitment to advancing mathematical sciences.

We extend our deepest gratitude to all members who dedicated their time and effort to the development of this publication. Their valuable contributions were key to finalizing the newsletter.

As we embark on a new year, we extend our heartfelt wishes for happiness, prosperity, and continued success in all your endeavors. Thank you for being an integral part of the ANMA community. We hope you find this newsletter both informative and inspiring as you read through its pages.

Editorial Board, ANMA Newsletter, 2025

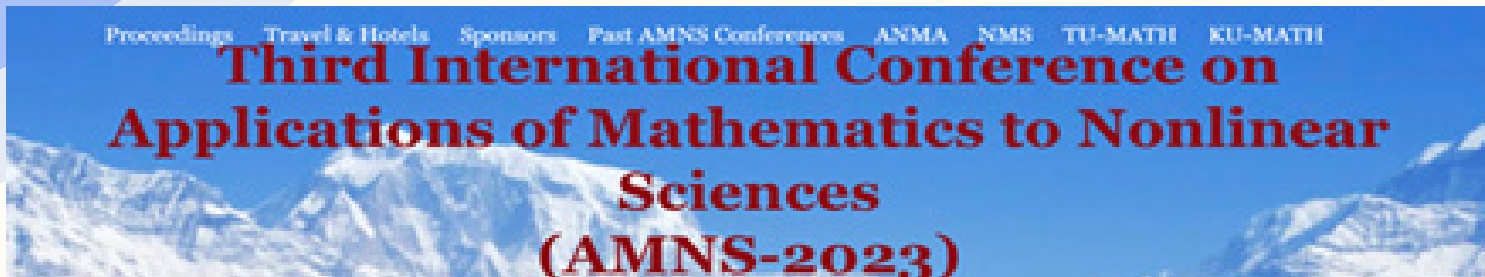
Dr. Basanti Sharma Poudyal, Dr. Ishwari Jang Kunwar, and Dr. Milan Bimali

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AMNS Conference 2023 – A Successful Gathering of Global Mathematicians



The Association of Nepalese Mathematicians in America (ANMA), in collaboration with the Nepal Mathematical Society (NMS), the Central Department of Mathematics at Tribhuvan University, and the Department of Mathematics at Kathmandu University, jointly organized the Third International Conference on Applications of Mathematics to Nonlinear Sciences (AMNS-2023, <http://anmaweb.org/AMNS-2023/>). The conference was held in Pokhara, Nepal, during May 25-28, 2023.

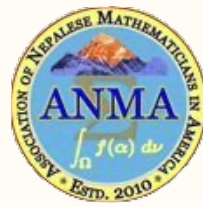
This event provided a platform for a diverse group of scientists to discuss the application of mathematics in various fields, such as natural and health sciences, engineering, and finance. The conference covered a broad range of research themes, including differential equations, mathematical biology, computational mathematics, statistics, big data, analysis, topology, algebra, mathematics education, optimization, and operational research, among others. The primary goal of the conference was to bring together researchers from multiple disciplines to address nonlinear analysis and its applications in both biological and physical sciences. This collaboration extended across Southeast Asia and around the globe. Over 200 participants from 18 countries—including Austria, Bangladesh, China, the Czech Republic, Germany, Hong Kong, Hungary, India, Indonesia, Italy, Japan, Malaysia, Nepal, the Philippines, Singapore, Spain, Sri Lanka, and the USA—attended the conference.



A Gathering of Global Scholars

Distinguished mathematicians, faculty members, and graduate students from around the world convened in Pokhara, renowned for its scenic beauty, to share their passion for the mathematical sciences and support ANMA's core mission. Participants expressed their gratitude to ANMA for facilitating such a meaningful experience and encouraged the organization to host similar events in the future.

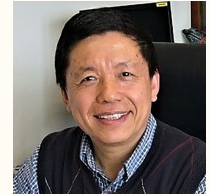




Diverse Research Themes and Sessions

The conference showcased a total of 162 papers, including 5 plenary talks, 7 special invited talks, 27 invited talks, and 123 contributed talks. The plenary talks were delivered by the following distinguished academicians:

- **Till Becker**, University of Applied Sciences Emden/Leer, Germany
- **Amy B. Ellis**, University of Georgia, USA
- **Irene Fonseca**, Carnegie Mellon University, USA
- **Bhramar Mukherjee**, University of Michigan, USA
- **Zhou-Ping Xin**, Chinese University of Hong Kong, Hong Kong



The invited and contributed talks were held in parallel sessions, organized into six distinct categories:

- **Differential Equations/Nonlinear Analysis** – 34 talks
- **Mathematics Education** – 35 talks
- **Mathematical Biology** – 22 talks
- **Numerical Analysis, Scientific Computation, and Optimization** – 27 talks
- **Statistics and Data Science** – 28 talks
- **Algebra and Topology** – 8 talks

These sessions had a profound impact on the participants, particularly aspiring researchers in Nepal, opening avenues for new collaborations aligned with ANMA's core mission.

Preparation for this conference began in 2019, following the successful completion of AMNS-2019, with the event initially scheduled for 2022. However, due to the COVID-19 pandemic, the conference was postponed by one year. The event was partially funded by the International Council for Industrial and Applied Mathematics (ICIAM), the Non-Resident Nepali National Coordination Council (NRN USA), Sam Houston State University, the International Centre for Theoretical Physics (ICTP), the Commissions for Developing Countries (CDC), and the Society for Mathematical Biology (SMB), with additional financial support from various organizations in Nepal.

The organizing committee, together with the local team, received high praise for their exceptional efforts in managing logistics, including the conference venue, guest hospitality, and transportation from Kathmandu to Pokhara. The venue, Hotel Sarowar, also provided accommodations, ensuring comfort for attendees.



The conference was formally inaugurated by the Honorable Chief Minister of Gandaki Province, Mr. Surendra Raj Pandey, who emphasized the importance of scientific research for sustainable development. He expressed gratitude to ANMA for organizing such a prestigious academic event in Gandaki Province and highlighted its potential benefits for Pokhara, known as Nepal's tourism capital.





The opening ceremony was conducted by Dr. Gokarna Aryal, ANMA convener, with a welcome address by Dr. Shree Ram Khadka, NMS convener. Additional remarks were delivered by Dr. Prem Narayan Aryal, Vice Chancellor of Pokhara University; Dr. Narayan Pahari, President of NMS; and Dr. Ram C. Kafle, President of ANMA.

The success of AMNS-2023 was marked by significant funds raised during the event and the publication of its proceedings. The generosity of conference participants, funding agencies, and sponsors was instrumental in establishing the NMS-ANMA Undergraduate Research Fellowship (NRs 11 lakhs), which now provides crucial financial assistance to students pursuing higher education in mathematics in Nepal.

The proceedings of the Third International Conference on Applications of Mathematics to Nonlinear Sciences have been published in the Electronic Journal of Differential Equations (EJDE), a peer-reviewed journal. ANMA members Dr. Harihar Khanal, Dr. Dhruba Adhikari, Dr. Gokarna Aryal, and Dr. Naveen Vaidya served as the editorial team for this special issue. This publication further enhanced the success of the conference and is accessible at EJDE's website (<https://ejde.math.txstate.edu/>) under Proc. of conferences / 27(2024). Through these achievements, the conference has left a lasting impact, advancing academic progress and providing support for future scholars.

Memorable Experience in Scenic Pokhara

Participants were treated not only to intellectual stimulation but also to the scenic beauty of Pokhara, a place renowned for its breathtaking landscapes. The stunning backdrop provided an ideal setting for collaboration and networking, enhancing the overall conference experience.

In summary, AMNS-2023 served as a significant platform for knowledge sharing and collaboration, marking a key milestone for the mathematical community in Nepal and beyond. Gokarna Aryal, the ANMA convener, extends his sincere gratitude to the ANMA community for their trust and for the opportunity to serve in this role. He also conveys his heartfelt thanks to the members of the steering committee, conference organizing committee, scientific committee, funding agencies, and, most importantly, all the conference attendees.



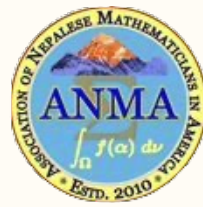
CIMPA Summer School – An Example of Excellent Team Work

A ten-day CIMPA Summer School on Data Visualization, Modeling, and Mathematical Tools was held in Kathmandu, Nepal, from May 15 to 24, 2023. The event brought together a diverse group of participants, including students, researchers, and professionals from around the world. The program aimed to equip participants with the theoretical foundations and practical skills needed to effectively analyze and visualize complex data using mathematical models and computational techniques.

The lectures and labs provided a comprehensive understanding of both the theoretical and practical aspects of the subject. A total of 34 students from Nepal, India, Bangladesh, Indonesia, Thailand, the Philippines, Sri Lanka, and Vietnam participated in the Summer School.

Thanks to the hard work of ANMA members Dr. Dhruba Adhikari, Dr. Keshav Pokhrel, Dr. Naveen Vaidya, Dr. Netra Khanal, and Dr. Gokarna Aryal, the proposal to host a summer school on Data Visualization, Modeling, and Mathematical Tools was partially funded by CIMPA. Additionally, ANMA secured financial support from agencies such as CDC, SMB, and ICTP to cover the remaining expenses.

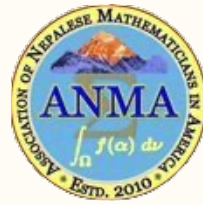
Special thanks go to ANMA members Dr. Keshav Pokhrel, Dr. Deepak Basyal, and Dr. Subas Acharya for their dedicated efforts in selecting the most qualified participants—10 out of 110 international applicants and 25 out of 30 Nepalese applicants. This careful selection process was highly appreciated by the instructors of the Summer School.



The school commenced with an opening ceremony on the morning of May 15th, featuring Dr. Binil Aryal, Dean of the Institute of Science and Technology at Tribhuvan University, Nepal, as the chief guest. Dr. Gokarna Aryal delivered the welcome speech, while Dr. Shree Ram Khadka conducted the program. Additionally, Dr. Abdenacer Makhoul, Dr. Fabrice Gamboa, and Dr. Tanka Nath Dhamala delivered brief speeches emphasizing the significance of the CIMPA Summer School in Nepal.



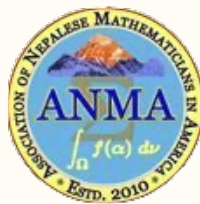
Details about the summer school and its course outlines are available on the summer school website (<https://anmaweb.org/AMNS-2023/summer-school.html>). Due to various reasons, four designated instructors were unable to travel to Nepal for the summer school. In response to this challenge, ANMA members Dr. Gokarna Aryal, Dr. Hum Nath Bhandari, Dr. Naveen Vaidya, Dr. Maya Chhetri, and Dr. Dhruva Adhikari collaborated to deliver the courses successfully. Special thanks to Dr. Abdenacer Makhoul, Dr. Adnan Sijoka, and Dr. Khagendra Adhikari for leading several sessions during the summer school.



To enhance the experience and make the summer school more enjoyable and memorable for international students and instructors, the organizers arranged several extracurricular activities. Participants visited Swayambhunath and Bouddha during a half-day tour and enjoyed a full-day excursion to Bhaktapur Durbar Square and Nagarkot.

Additionally, a roundtable panel discussion on Women in Mathematics was held. The summer school organizers extended their gratitude to the four panelists—Ms. Dhana Kumari Thapa, Dr. Maya Chhetri, Dr. Neelam Subedi, and Dr. Gauri Shrestha—as well as to all participants for their valuable contributions. Organizing a high-level CIMPA Summer School in Nepal, taught by several ANMA members, serves as a testament to the exceptional qualifications and teamwork of ANMA members.





AMNS-2026 Conference & Summer School: Exciting Upcoming Events in Nepal

We are delighted to announce two major events scheduled for 2026, which will unite mathematicians, researchers, and educators from across the globe. These events aim to foster collaboration and drive advancements in the field of mathematical sciences.

AMNS-2026 Conference Details:

Dates: May 28-31, 2026

Location: Kathmandu, Nepal

Organizers: The conference will be jointly organized by the Association of Nepalese Mathematicians in America (ANMA), the Nepal Mathematical Society (NMS), and the Central Department of Mathematics at Tribhuvan University, in collaboration with the Department of Mathematics at Kathmandu University, and the Nepal Statistical Society in Nepal.

2026 Summer School:

Dates: May 15-27, 2026

Location: Central Department of Mathematics, Tribhuvan University, Kirtipur, Nepal

The 2026 Summer School, scheduled to take place just before the AMNS-2026 Conference, will provide a unique opportunity for participants to immerse themselves in intensive study and research across various areas of mathematics. This program will place a strong emphasis on supporting early-career researchers and building robust international connections within the mathematical community.

Our Vision

The primary goal of these events is to advance research in mathematical sciences while fostering collaboration between Nepalese scientists and global professionals. Building on the success of previous conferences, workshops, and summer schools, these events will continue to play a pivotal role in advancing mathematical research and education in Nepal.

We are thrilled about the opportunities these events offer to engage with the global mathematical community and eagerly anticipate the valuable contributions and insights from all participants. Our heartfelt gratitude goes to the organizers, whose dedication and tireless efforts are making these events a reality.

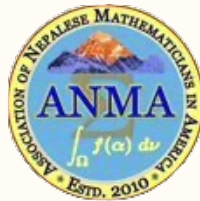
We encourage all interested participants to mark their calendars and join us in Kathmandu for what promises to be an exciting and enriching experience.

Stay tuned for further updates and registration details as the events draw closer!

Advancing Mathematics through Collaboration:

Through the AMNS conference series, ANMA has established itself as a prominent entity within the international mathematical community. These conferences have not only served as a platform for the exchange of innovative ideas but have also fostered global collaborations among leading experts, early-career researchers, and students. We take pride in the impact we have made—and continue to make—in advancing the mathematical sciences.

The AMNS-2026 Conference aims to build on this tradition by promoting interdisciplinary collaboration. The conference will focus on advancing mathematics through innovative applications in science, engineering, and teaching practices. Emphasizing the interdisciplinary nature of the field, it will highlight the synergy between computation, theory, and applications, fostering a deeper connection between diverse areas of research.



Special Sessions:

We are excited to offer the following special sessions at the conference:

DE: Differential Equations and Nonlinear Analysis

MB: Mathematical Biology

AT: Algebra and Topology

PS: Probability and Statistics

ME: Mathematics Education

NA: Numerical Analysis, Scientific Computation, and Optimization

DS: Data Science

Volunteers are invited to organize special sessions, with each session requiring a minimum of five contributed papers. Interested individuals are requested to contact the conveners directly.

For regular updates on the conference and summer school, please visit the official website: [AMNS-2026 Website](#).

A Message from the AMNS-2026 Convener (ANMA)

Dear ANMA Members and Well-Wishers,

As we set our sights on making AMNS-2026 an extraordinary event, we aim to channel the passion and commitment of our mathematical community. In this spirit, I am proud to share my voice as one of the conveners of AMNS-2026, hoping to inspire and bring us together to make this event a great success.

On behalf of the Steering Committee and the Organizing Committee, we warmly invite you to join us in shaping AMNS-2026 into a world-class conference. Your contributions—whether by spreading the word to colleagues, collaborators, and prospective scholars, or by participating directly—will be invaluable. Together, we will ensure that this event is both scientifically enriching and a truly memorable experience.

I extend my heartfelt gratitude to Dr. Parameshwari Kattel for serving as a co-convener and to every member of the Steering and Organizing Committees for their dedication and efforts. With your support and enthusiasm, we are confident that AMNS-2026 will be a remarkable success.

We eagerly look forward to welcoming you all to the beautiful city of Kathmandu in May 2026!

With warm regards,

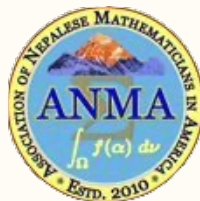
Harihar Khanal

Convener, AMNS-2026 (ANMA)

ANMA Scholarship Program: A Step Towards Empowering Future Mathematicians

One of the key initiatives of the ANMA Executive Committee (2023-2025) is the launch of the ANMA Undergraduate Scholarship Program, a flagship endeavor designed to support and inspire talented Nepali undergraduate students pursuing studies in mathematics. The inaugural ANMA Scholarship-2024 marks a significant step toward fostering academic excellence and empowering the next generation of mathematicians in Nepal.

The ANMA Scholarship Program received an overwhelming response, with 110 applications from across Nepal. A dedicated scholarship committee, comprising Dr. Kedar Nepal, Dr. Ishwari Jang Kunwar, Dr. Keshav Pokharel, Dr. Ashok Aryal, and Dr. Ram C. Kafle conducted a meticulous and multi-phase selection process. This included a thorough review of applications and interviews with shortlisted candidates. Recipients were chosen based on their academic performance, financial need, demonstrated interest in mathematics, and future aspirations.



The following exceptional students were recognized as the first recipients of the ANMA Scholarship, each of whom will receive a total amount of NRs 50,000 over a two-year period:

- **Ananta Basnet** – Gulmi
College: Butwal Multiple Campus, Butwal
- **Arjun Bahadur Thapa Magar** – Surkhet
College: Patan Multiple Campus, Lalitpur
- **Asmita Basnet** – Solukhumbu
College: Amrit Science Campus, Kathmandu
- **Bhuwani Prasad Sharma** – Baglung
College: Birendra Multiple Campus, Chitwan
- **Chetana Pandey** – Kanchanpur
College: Padma Kanya Campus, Kathmandu
- **Harikrishna Bhatt** – Dadeldhura
College: Amrit Science Campus, Kathmandu
- **Keshav Raj Joshi** – Achham
College: Aishwarya Multiple Campus, Dhangadhi
- **Kul Prasad Lamichhane** – Kaski
College: Prithvi Narayan Campus, Pokhara
- **Nisha Kuikel** – Jhapa
College: Mechi Multiple Campus, Bhadrapur
- **Pawan Gautam** – Dang
College: Mahendra Multiple Campus, Ghorahi
- **Prabesh Kandel** – Rupandehi
College: New Horizon College, Butwal
- **Prem Kishor Yadav** – Rupandehi
College: New Horizon College, Butwal
- **Roshan Limboo** – Ilam
College: Mahendra Multiple Campus, Dharan
- **Santosh Prasad Joshi** – Dadeldhura
College: Tri-Chandra Multiple Campus, Kathmandu
- **Sumina B.K.** – Palpa
College: Tribhuvan Multiple Campus, Tansen
- **Swikar Jaiswal** – Rupandehi
College: Kathmandu University, Dhulikhel

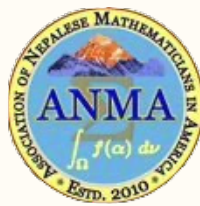
These students' dedication to mathematics and their inspiring future goals underscore the importance of supporting emerging talent in the mathematical community.

This program would not have been possible without the generous contributions of our esteemed sponsors. ANMA extends heartfelt gratitude to the following individuals for their support and commitment which has been instrumental in launching this program and empowering the first cohort of scholarship recipients.

- **Dr. Binod Rimal**, University of Tampa, FL
- **Dr. Chudamani Poudyal**, University of Central Florida, FL
- **Dr. Deepak Basyal**, Coastal Carolina University, SC
- **Dr. Hari Adhikari**, Embry-Riddle Aeronautical University, FL
- **Dr. Harihar Khanal**, Embry-Riddle Aeronautical University, FL
- **Dr. Hemanta Kunwar**, University of Texas at El Paso, TX
- **Dr. Humnath Bhandari**, Roger Williams University, RI
- **Dr. Ishwari J. Kunwar**, Fort Valley State University, GA
- **Dr. Kailash Ghimire**, Georgia Southwestern State University, GA
- **Dr. Kedar Nepal**, Mercer University, GA
- **Dr. Keshav Pokhrel**, University of Michigan-Dearborn, MI
- **Dr. Manoj Lamichhane**, Florida Polytechnic University, FL
- **Dr. Milan Bimali**, University of Arkansas for Medical Sciences, AR
- **Dr. Mukta Bhandari**, Rappahannock Community College, VA
- **Dr. Nawa Raj Pokhrel**, Xavier University of Louisiana, LA
- **Dr. Naveen Vaidya**, San Diego State University, CA
- **Dr. Netra Khanal**, University of Tampa, FL
- **Dr. Ram C. Kafle**, Sam Houston State University, TX
- **Mr. Shantiram Adhikari**, University of Cincinnati, OH
- **Dr. Vijay J. Kunwar**, Albany State University, GA

Congratulations and best wishes to all 16 recipients of the ANMA Undergraduate Scholarship!

We also extend our heartfelt congratulations and best wishes to Roshan Koilara and Vimala Kshetri, the recipients of the NMS-ANMA Scholarship, for achieving the highest scores in the entrance exam for the M.A./M.Sc. programs in 2024.



NMS-ANMA Undergraduate Research Fellowship

The Association of Nepalese Mathematicians in America (ANMA) collaborated with the Nepal Mathematical Society (NMS) to establish the NMS-ANMA Undergraduate Research Fellowship, a groundbreaking initiative aimed at fostering a research culture among undergraduate mathematics majors in Nepal. With a total fund of NRs 15 lakhs, the fellowship is designed to motivate students to undertake project work during their final semester, addressing the declining interest in mathematics and the need for financial incentives. Selected students will receive NRs. 10,000 each, with priority given to those in financial need and representing all provinces of Nepal. This program not only provides financial support but also cultivates independent learning, critical thinking, and research skills, laying the foundation for a brighter future in mathematics education in Nepal.

Funding Source

The fund for the fellowship has been established through the surplus generated from the AMNS-2023, Third International Conference on Applications of Mathematics to Nonlinear Sciences, which contributed NRs 11 lakhs, along with an additional NRs 4 lakhs provided by NMS. The total fund of NRs 15 lakhs has been deposited as a fixed deposit, with the annual interest funding the fellowship awards. The success of AMNS-2023 was made possible by the generous support of participants, funding agencies, and sponsors. More details about the conference can be found on the AMNS-2023 Conference Page (<https://anmaweb.org/AMNS-2023/>).

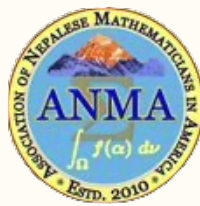
This fellowship is part of a broader initiative by ANMA and NMS to promote undergraduate research, enhance mathematics education, and inspire students to pursue advanced studies in the field. By fostering a research culture and offering financial support, this program represents a significant step toward shaping the future of mathematics in Nepal.

ANMA Collaborative Research Workshop 2024 & ANMA Dinner at JMM 2024: A Successful program of Engagement

Collaborative Research Workshop 2024



The ANMA Collaborative Research Workshop on Mathematics and Statistics took place on May 25–26, 2024, at the University of Tampa, Florida. It brought together mathematicians, statisticians, researchers, and students for collaborative research and networking. Organized by Dr. Ashok Aryal, Dr. Archana Timsina, and Dr. Sundar Tamang, with local organizers Dr. Netra Khanal, Dr. Binod Rimal, Dr. Shyam N. Paneru, and Dr. Manoj Lamichhane, the workshop covered topics like teaching, research, applied ODEs and PDEs, mathematical biology, data science, and applied statistics. Over 20 participants were divided into four groups: Data Science, Mathematics Education, Mathematical Biology, and Applied Statistics.



ANMA Dinner at the Joint Mathematics Meeting 2024



Dr. Sundar Tamang, an Executive Committee member of the Association of Nepalese Mathematicians in America (ANMA), organized a dinner gathering for Nepalese mathematicians and statisticians who participated and presented at the Joint Mathematics Meetings (JMM) held from January 3–6, 2024, in San Francisco, CA. The dinner, held on January 5, 2024, at Trisara Nepalese Restaurant, brought together over 20 participants. This gathering offered an excellent opportunity for networking, fostering collaboration, and celebrating the achievements of Nepalese professionals in mathematics and statistics.

ANMA Dinner at the Joint Mathematics Meeting 2025



ANMA reserved Room 208 at the Seattle Convention Center during JMM 2025, providing a dedicated space for Nepalese mathematicians to gather, discuss their research, and explore potential collaborations. The room was available for one hour each day from January 8 to January 11, 2025. A total of 17 Nepalese mathematicians participated in the conference and presented their research, with many taking advantage of the reserved space to connect and engage with one another.

Continuing the tradition of dinner gatherings, Dr. Sundar Tamang organized a dinner at The Everest Kitchen for participants of JMM 2025 in Seattle, WA. The dinner, held during the conference dates, brought together participants, their friends, and family in a warm and welcoming environment. This event created a wonderful opportunity for socializing, networking, and celebrating the contributions of Nepalese professionals in mathematics.



ANMA's Collaboration with WoNiMS (Women of Nepal in Mathematical Sciences)

ANMA's Collaboration with WoNiMS

As part of ANMA's mission to encourage and empower women in mathematical sciences in Nepal, Dr. Deependra Budhathoki and Dr. Basanti Sharma Poudyal played a pivotal role in fostering collaboration with Women of Nepal in Mathematical Sciences (WoNiMS). In a significant step toward this objective, the ANMA Executive Committee (EC) held a meeting with Dr. Kabita Luitel, Vice President of WoNiMS.

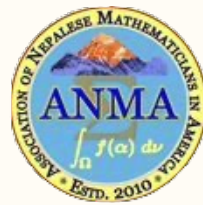
In the summer of 2023, members of Women of Nepal in Mathematical Sciences (WoNiMS) and ANMA convened in Nepal. During this gathering, the President of WoNiMS, Mrs. Dhana Kumari Thapa, and her team met with the President of ANMA, Dr. Ram C. Kafle, and his team.

The meeting centered on strengthening the role of women in mathematical sciences and empowering them to make meaningful contributions to the field. Discussions also included preparations for the WoNiMS Conference, scheduled for November 3–5, 2023.

ANMA's Support for Women in Mathematics, Nepal



Further underscoring ANMA's commitment to supporting women in mathematics, the Executive Committee generously sponsored \$600 to help fund the Women in Mathematics, Nepal Conference. ANMA remains steadfast in its mission to empower Nepalese women in mathematics and looks forward to strengthening its collaboration with WoNiMS in the future. Through these partnerships, ANMA aims to inspire more women to pursue careers in mathematics and create greater opportunities for them to excel in the field.



ANMA Workshops & Job Search Webinars: Empowering the Community in 2023 and 2024

ANMA's R-Workshops

In collaboration with the Nepal Statistical Society (NeSS), ANMA organized two online R workshops tailored for statisticians in academia and government services. R, a widely-used statistical programming language, is essential in fields such as statistics and data science.

Organized by Dr. Milan Bimali from ANMA, and Dr. Ram Prasad Khatiwada from NeSS, the workshops were designed to introduce participants to R and its capabilities, with the overarching goal of promoting the adoption of R and R-based tools in education, applications, and research.

These sessions provided a strong foundation for participants, equipping them with the skills to leverage R for statistical analysis and data-driven decision-making.

The instructional team featured dedicated expert including Drs. Gokarna Aryal, Vikashraj Satyal, Keshav Pokhrel, Bhikari Tharu, Ram C. Kafle, Milan Bimali, Doo Young Kim, and Nawa Raj Pokhrel who volunteered their time and expertise to ensure the workshops' success.

Association of Nepalese Mathematicians in America (ANMA) and Nepal Statistical Society (NeSS) are organizing an R workshop (online) for statisticians employed by government of Nepal. R is one of the most popular statistical programming language used in areas of statistics, and data science. The purpose of the workshop is to introduce participants to R with an overarching goal of promoting use of R and R-based tools in education, application, and research.

Key Information	Overview of Course	Instructors
Date: Aug 31 – Oct 5, 2024 15 Bhadra – 19 Ashwin, 2081 Time: 7 – 9 AM NST (Online) Where to apply? https://docs.google.com/forms/d/e/1FAIpQL5dCL1sXdmW-oM5jw-9W0aP5b7M74YE3yFTL9_4Xxt6kw/viewform?vc=0&cc=0&w=1&fr=0 Application Deadline: Aug 27, 2024 Who to Contact? Dhruba Adhikari: dhrubadhikary@gmail.com	Week 1-2 Overview of R/R-Studio and Data Extraction Data Organization and Management Week 3-4 Data Visualization Statistical Modeling and Simulation Week 5-6 Analysis of Survey Data Generalized Linear Modeling Note: Participants will have opportunity to implement R skills by collaborating on a course project.	Instructors Dr. Milan Bimali, University of Arkansas for Medical Sciences Dr. Bhikharj Tharu, Spelman College. Dr. Vikashraj Satyal, Tribhuvan University Dr. Gokarna Aryal, Purdue University – Northwest Dr. Doo Young Kim, Sam Houston State University Dr. Keshav Pokhrel, University of Michigan – Dearborn Dr. Ram C. Kafle, Sam Houston State University

Job Search Webinar Series: Supporting Career Growth

ANMA hosted a series of impactful job search webinars designed to support recent graduates, soon-to-be graduates, and individuals actively seeking career opportunities. These events provided participants with essential tools and insights to navigate the job market effectively.

• October 15, 2023 – Job Search Webinar

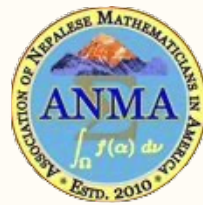
This webinar featured panelists Dr. Rajendra Dahal, Dr. Keshav Pokhrel, and Dr. Kedar Nepal, who shared expert advice on crafting effective CVs, cover letters, teaching statements, and research statements. Six participants attended the session, gaining practical guidance for improving their job applications.

• February 4, 2024 – Interview Preparation Session

Building on the success of the previous webinar, ANMA hosted an Interview Preparation Session tailored for individuals actively applying for jobs or preparing for interviews and university visits. Facilitated by Dr. Hem Raj Joshi, Dr. Netra Khanal, and other ANMA members, the session offered personalized advice and valuable tips to participants.

• November 10, 2024 – Job Search Webinar

ANMA organized another job search webinar featuring Dr. Keshav Acharya, Dr. Milan Bimali, and Dr. Ramchandra Rimal as panelists. Nine participants attended, receiving insights into the job application process and strategies for success. The session was moderated by Dr. Ashok Aryal, Dr. Basanti S. Poudyal, and Dr. Sundar Tamang, who ensured the discussion was engaging and informative.



Stat-Chautari / Math Seminar: A Collaborative Effort to Foster Mathematical Knowledge

Stat-Chautari is a talk series primarily attended by statisticians working at academic institutions and government organizations, as well as graduate students in statistics in Nepal. This initiative is a collaborative effort between ANMA and the Nepal Statistical Society (NeSS).

As of December 2024, at least 10 invited speakers, including 5 speakers from 2023–2024, have delivered talks as part of the Stat-Chautari series. Attendance per session has ranged from 20 to 50 participants. The series is organized by Dr. Milan Bimali from ANMA, and Dr. Ram Prasad Khatiwada from NeSS, whose efforts have been instrumental in making Stat-Chautari a success.

Nepal Statistical Society (NeSS)
Presenting its 2nd talk of
Stat-चौतारी TALK Series

Topic:
"On the Generalized-G Poisson Family of Distributions"

BY:
Prof. Gokarun Aryal, PhD,
Department of Mathematics and Statistics,
Purdue University Northwest,
Email: aryalg@pnw.edu

About the Speaker:
Gokarun Aryal is professor of statistics in the Department of Mathematics, Statistics and Computer Science. Dr. Aryal has earned his PhD in 2006 in Statistics from the University of South Florida, Tampa, FL, USA where he also earned MA in Mathematics. His major areas of interest are: Applied Statistics, Distribution Theory, Reliability Analysis, Longitudinal Data Analysis, Survival Analysis, and R/FID. He is member of several associations including American Statistical Association (ASA), International Federation of Nonlinear Analysts (IFNA) and The Association of Nepalese Mathematicians in America (ANMA). He has more than 30 papers published in international journals.

Abstract
In recent years, extensive efforts have been made to develop new models in the area of distribution theory and related statistical applications. These studies are mainly motivated due to the need of modeling various data types and to find their probabilistic structures. In this talk, I will present a new family of distributions constructed by using the genesis of the zero truncated Poisson (ZTP) distribution. I will also present some special cases of the generalized-G Poisson family. Usefulness of developing such models will be justified by modeling real-life data sets.

Attendance Details:
Date/Time: November 7 (March 22), 7 pm (Nepal Standard Time)
Zoom Link: <https://nepalstat.org/zoom/158551524535?pwd=13B447T5MXPXWbimMvVpQmU1D1Z2e09>
Meeting ID: 885 3152 4535
Password: 626742
Moderator: Dr. Milan Bimali, University of Arkansas for Medical Sciences

Nepal Statistical Society (NeSS)
& Association of Nepalese
Mathematicians in America (ANMA)

Presenting
Stat-चौतारी Talk Series

Leveraging Machine Learning to Discern Neurocognitive Differences Between Two Groups

Ranachandra Rimal, PhD,
Department of Mathematical Sciences,
Middle Tennessee State University

About the Speaker:
Ranachandra Rimal is an Assistant Professor of Mathematics in the Department of Mathematical Sciences at Middle Tennessee State University. Dr. Rimal received his Ph.D. in Mathematics with a concentration in Mathematical Statistics from the University of Central Florida. He is actively involved in the Data Science undergraduate and graduate programs at MTSU. Dr. Rimal is a Faculty Fellow at the MTSU Data Science Institute and a faculty member of the MTSU Computational and Data Science Ph.D. program. He has been working on both theoretical and computational research associated with statistical network modeling and machine learning techniques.

Abstract
Brain Imaging Analysis is a dynamic and captivating field within neuroscience. This study pursues two primary objectives. Firstly, it seeks to establish a classification framework that enhances predictive capabilities. Secondly, it aims to conduct a comparative evaluation of accuracy versus inference using brain imaging data. Notably, this study focuses on exploring neurocognitive disparities between two distinct healthy categories, an area that has received limited attention in the literature. The study uses functional magnetic resonance imaging data of chess masters and novices is utilized for discerning these disparities. A network of connections between distinct brain regions is constructed and subjected to analysis. Subsequently, conventional statistical learning techniques and machine learning models are employed to discern patterns between the connectivity patterns exhibited by the two groups. The trade-off between model accuracy and interpretability is also assessed. Ultimately, the performance metrics of the model, encompassing accuracy, sensitivity, specificity, and AUC, are presented to underscore the efficacy of the proposed framework.

Attendance Details:
Date/Time: September 23, 2023, Saturday, 8 am (Nepal Standard Time) 10:15 pm EST
Zoom Link: <https://nepalstat.org/zoom/158551524535?pwd=13B447T5MXPXWbimMvVpQmU1D1Z2e09>
Meeting ID: 885 3152 4535
Password: 626742
Moderator: Milan Bimali, PhD.

Nepal Statistical Society (NeSS)
& Association of Nepalese
Mathematicians in America (ANMA)

Presenting
Stat-चौतारी Talk Series

WHAT ARE THE DRIVERS OF STOCK PRICES?
TIME SERIES EVIDENCE FROM THE US

Mitra Devkota, PhD,
Mike Cottrell College of Business,
University of North Georgia

About the Speaker:
Dr. Mitra Devkota is an Associate Professor of Business Statistics at the Mike Cottrell College of Business at University of North Georgia. Dr. Devkota received his Ph.D. in Statistics from South Dakota State University. His research and pedagogical interests are in areas of real estate business, financial econometrics, and machine learning.

Abstract
The objective of this paper is to analyze the drivers of stock prices in the US. Monthly time series data from May, 1999 to August, 2020 are used. The empirical results show that there exists a long-run cointegrating relationship between the variables under consideration. In the long run, the exchange rate, Index of Industrial Production, money supply, and Treasury bill rate are positively related to stock prices, while the consumer price index is negatively related to stock prices. The VECM results suggest that there is a unidirectional Granger causality running from consumer price index to stock prices. In addition, there are four feedback relationships which run between exchange rate and stock prices; money supply and stock prices; index of industrial production and stock prices; and Treasury bill rate and stock prices. These findings may have important implications for decision-making by national policymakers.

Attendance Details:
Date/Time: March 9, 2024, Saturday, 8 am (Nepal Standard Time) (March 8, 8:15 pm CST)
Zoom Link: <https://nepalstat.org/zoom/158551524535?pwd=13B447T5MXPXWbimMvVpQmU1D1Z2e09>
Meeting ID: 885 3152 4535
Password: 626742
Moderator: Milan Bimali, PhD.

Nepal Statistical Society (NeSS)
& Association of Nepalese
Mathematicians in America (ANMA)

Presenting
Stat-चौतारी Talk Series

Estimation and Sample Size Calculation for Service Utilization Data

Subhash Aryal, PhD,
John Hopkins University

About the Speaker:
Subhash Aryal is Professor of Biostatistics at the John Hopkins School of Nursing. Dr. Aryal is the director of the Biostatistics and Methods Core, within the school of Nursing at John Hopkins University. Dr. Aryal received his Ph.D. in Biostatistics from the University of Illinois at Chicago. He has over 13 years of experience working as a biostatistician in academic health care setting. His methodological research interest focuses on developing statistical methods for greenhouse monitoring, sample size calculation and treatment of zero-inflated data.

Abstract
Health service utilization research suffers from lack of statistical methods to analyze routinely obtained zero-inflated correlated outcome data from clustered longitudinal studies. Parameter estimation suffers from use of maximum likelihood-based approach involving cumbersome integration which results in lack of model convergence and utilization of considerable computing resources. Similarly, sample size to conduct randomized controlled trials are estimated using either inappropriate linear models or simplified zero-lever models which ignore multiple levels of nesting resulting in severely underpowered studies. We propose a robust estimation method based upon Laplace approximation to estimate parameters and derive formulae to compute required sample size employing multiple levels of nesting.

Attendance Details:
Date/Time: May 11, 2024, Saturday, 7:30 am (Nepal Standard Time) 9:45 pm EST
Zoom Meeting ID: 390 256 1661
Moderator: Ram C. Kafle, PhD.

Nepal Statistical Society (NeSS)
& Association of Nepalese
Mathematicians in America (ANMA)

Presenting
Stat-चौतारी Talk Series

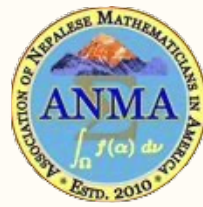
Computing and Estimating Distortion Risk Measures: How to Handle Analytically Intractable Cases?

Sahadeb Upretek, PhD,
Department of Mathematics,
Central Washington University

About the Speaker:
Sahadeb Upretek is an Assistant Professor in the Department of Mathematics at Central Washington University. Dr. Upretek received his Ph.D. in Mathematics with a concentration in Actuarial Science and Statistics from the University of Wisconsin-Milwaukee, and MPhil in Mathematics from Kathmandu University. His research interest are in areas of actuarial science and statistical education.

Abstract
In insurance risk analysis and actuarial practice, distortion risk measures are used to capture the riskiness of the distribution tail. Point and interval estimates of the risk measures are then employed to price extreme events, to develop reserves, to design risk transfer strategies, and to allocate capital. Often the computation of these estimates relies on Monte-Carlo simulation which depending upon the complexity of the problem, can be very costly in terms of required expertise and computational time. In this paper, we study analytic and numerical evaluation of distortion risk measures, with the expectation that the proposed formulae, or approximations will reduce the computational burden. Specifically, we consider several distortion risk measures – value-at-risk (VaR), conditional tail expectation (cte), proportional hazard transform (ght), Wang transform (wt), and Gini shortfall (gs) – and evaluate them when loss severity variable follows shifted exponential, Pareto I, and shifted lognormal distributions (all chosen to have the same support), which exhibit common distributional shapes of insurance losses. For these classes of risk measures and loss models, only the VaR and cte measures always possess explicit formulae. For ght, wt, and gs, these are cases when the analytic treatment of the measures is not feasible. In the latter situations, conditions under which the measures in fact are studied rigorously. In particular, we prove several theorems that specify two-sided bounds for the analytically intractable cases. The quality of the bounds is further ascertained by comparing them with numerically evaluated risk measures. Finally, a simulation study involving applications of these bounds in actuarial evaluation of the risk measures is also provided.

Attendance Details:
Date/Time: Dec. 14, 2024, Saturday, 8 am (Nepal Standard Time) (Dec 13, Friday, 8:15 pm EST)
Zoom Link: <https://nepalstat.org/zoom/158551524535?pwd=13B447T5MXPXWbimMvVpQmU1D1Z2e09>
Meeting ID: 885 3152 4535
Password: 626742
Moderator: Milan Bimali, PhD (University of Arkansas for Medical Sciences)



Mathematics Talk Series:

During the 2023-2024 term, ANMA continued its collaboration with the Nepal Mathematical Society (NMS) to host the NMS-ANMA Talk Series. Coordinated by Dr. Ishwari Jang Kunwar, this initiative provided a platform for prominent mathematicians and educators to share their expertise with participants from the USA and Nepal. The series featured the following engaging presentations:

NMS-ANMA Talk Series-8
 Advancements in Scientific Computing: Mathematical Modeling with Differential Equations for Mass Transport

Presenter
 Dr. Jeevan Kafle
 Central Department of Mathematics
 Tribhuvan University, Nepal

Schedule	
Nepal	USA
Date: Ashoj 20, 2080	Date: October 6, 2023
Time: 7:30 AM NPT (Saturday)	Time: 9:45 PM EST (Friday)

Jointly Organized by
 Nepal Mathematical Society and Association of Nepalese Mathematicians in America

NMS-ANMA Talk Series
 Title: Core Contents for Data Science in the Era of AI

Speaker:
 Chudamani Poudyal, PhD
 Assistant Professor
 Department of Mathematical Sciences
 University of Wisconsin-Milwaukee, USA

Schedule:
 Friday, December 8, 8:45-9:45 pm EST (USA)
 Saturday, December 9, 7:30-8:30 am (Mangsir 23) (Nepal)

Zoom Meeting ID: 487 488 5413 | Passcode: 524014

NMS-ANMA Talk Series-10
 Research in Mathematical Biology in Nepal

Prof. Dr. Kedar Nath Uprety
 Former Head, Central Department of Mathematics, TU, Nepal
 President, Mathematical Biology Research Center (MBRC), Nepal

Schedule	
Nepal	USA
Date: Chaitra 10, 2080	Date: March 23, 2024
Time: 7:30 AM NPT (Saturday)	Time: 9:45 PM EST (Friday)

Jointly Organized by
 Nepal Mathematical Society and Association of Nepalese Mathematicians in America

NMS-ANMA Talk Series
 Title: Mathematical Methods in Liquid Crystal Optics

Speaker:
 Eric Stachura, PhD
 Assistant Professor of Mathematics
 Kennesaw State University

Schedule:
 USA: Friday, May 3, 2024, 9:45 pm (ET)
 Nepal: Saturday, Baisakh 22, 2081, 7:30 am

Zoom Meeting ID: 390 256 1661

Math Education Seminar

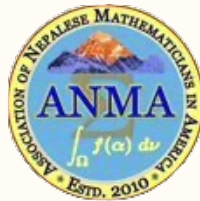
Under the coordination of Dr. Deependra Budathoki, ANMA launched the ANMA Math Education Seminar Series, further enriching its initiatives. The inaugural talk, delivered by Dr. Kyndall Brown, Executive Director of the California Mathematics Project, took place on January 27, 2024. The session, titled "Addressing Social Justice, Diversity, Equity, and Inclusion in Mathematics Teaching," highlighted critical issues in contemporary mathematics education. These events garnered substantial participation from mathematicians, educators, and students across the USA and Nepal. The success of these series reflects ANMA's dedication to fostering international collaboration and advancing mathematical knowledge and education.

ANMA Math Education Seminar Series
 Title: Addressing Social Justice, Diversity, Equity, and Inclusion in Mathematics Teaching

Speaker:
 Kyndall Brown, PhD
 Executive Director
 California Mathematics Project

Schedule:
 Saturday, January 27, 2024, 12:00 pm - 1:00 pm EST

Zoom Meeting ID: 894 3023 6649



ANMA Membership Update: Strengthening Community Engagement and Growth

As part of its ongoing efforts to strengthen community engagement and maintain accurate records, the Association of Nepalese Mathematicians in America (ANMA) has made significant progress in updating and enhancing its membership database. The Membership Update Committee, led by Dr. Krishna Pokharel and established by the ANMA Executive Committee at the start of its 2023–2025 tenure, has played a key role in ensuring that all member information is up-to-date, accurate, and easily accessible. Below is a summary of the key updates and improvements made.

Key Updates and Achievements

Database Update and Verification: The committee prioritized updating the ANMA membership database on the official website (anmaweb.org). This comprehensive effort involved cross-checking membership details, verifying contact information, and ensuring records reflect current membership status, renewals, and changes in personal or professional information.

Enhanced Communication: An updated email list was created to improve communication with members. This enhancement enables the ANMA Executive Committee to send timely updates, event invitations, newsletters, and other essential information, ensuring members stay informed and engaged.

Membership Growth: The committee is pleased to report notable growth in membership.

Life Membership: Now at 119 members, reflecting a strong commitment to ANMA's mission and long-term objectives.

Term Membership: Increased to 26 members, signaling a positive trend in attracting individuals interested in short-term engagement with ANMA.

These updates and improvements underscore ANMA's dedication to fostering a connected and vibrant community of mathematicians. By maintaining an accurate and dynamic membership system, ANMA ensures it remains a valuable resource and network for its members.

Looking Forward

The Membership Update Committee remains committed to ensuring that ANMA continues to grow and strengthen its community. By focusing on improving membership engagement, maintaining accurate records, and enhancing communication, ANMA is building a more connected and supportive environment for all its members.

As we continue to expand, we encourage new members to join ANMA and participate in its many activities and initiatives. The committee will continue to work on providing more resources and opportunities for involvement, fostering a thriving community of Nepalese mathematicians and statisticians across America. We thank all members for their ongoing support and involvement. Stay tuned for more updates as ANMA continues to grow and evolve!

Join us today and be a part of ANMA's continued success!



ANMA Celebrates its Member's Achievements: Cheers!!!

We are thrilled to showcase some of the remarkable accomplishments and career milestones of our talented members. These achievements are a testament to their dedication and hard work, while also reflecting the high academic standards and collaborative spirit that ANMA fosters.



Dr. Amrit Thapa completed his Ph.D. in Mathematics Education from Ohio University in Athens, Ohio. In Fall 2024, he began his appointment as an Assistant Professor in Elementary Education at Eastern New Mexico University in Portales, New Mexico.

Dr. Ananta Acharya completed his Ph.D. in Mathematics at the University of North Carolina Greensboro. In the fall of 2024, he began his role as an Assistant Professor of Mathematics at Eastern New Mexico University in Portales, New Mexico.



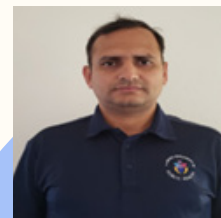
Dr. Bikhari Tharu, Associate Professor of Mathematics at Spelman College, received two prestigious research grants in 2023, showcasing his expertise in climate science and weather forecasting. He serves as Co-PI on a NASA-funded project titled Today's Risk of Events in a Changed Climate (\$249,493) and as Principal Investigator (PI) on an NSM Seed Award project, Forecasting Extreme Rainfall of the USA (\$46,651), sponsored by Community Project Funding through a Georgia Senator.

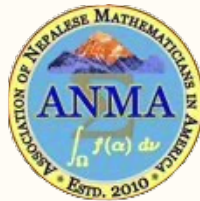
Dr. Chudamani Poudyal began a tenure-track Assistant Professor position in the Department of Statistics and Data Science at the University of Central Florida in Fall 2024, after serving as a Visiting Assistant Professor at the University of Central Florida from 2021 to 2023. He is also a certified actuary and an Associate of the Society of Actuaries (ASA), actively contributing to various committees within the organization.



Dr. Deepak Basyal was promoted to Associate Professor of Mathematics with tenure at Coastal Carolina University, South Carolina, in 2024. In the same year, he received an NSF/NCTM travel grant to attend the 15th International Congress on Mathematical Education in Sydney, Australia, as well as Faculty Summer Research Grants at Coastal Carolina University.

Dr. Dipak Dulal earned his Ph.D. in Applied Mathematics from the University of Alabama at Birmingham. In Fall 2024, he accepted a position as an Assistant Professor of Mathematics at Eastern New Mexico University in Portales, New Mexico.





Dr. Hemanta Kunwar completed his Ph.D. in Mathematical Sciences from Clemson University in May 2024. In June 2024, he joined the University of Texas at El Paso (UTEP) as a postdoctoral research associate, working on a Department of Energy-funded project focused on addressing climate change through carbon dioxide storage and geothermal energy in collaboration with Florida State University, the University of Utah, Sandia National Laboratories, and Alma Energy LLC.

Dr. Hum Nath Bhandari has been granted tenure and promoted to Associate Professor of Mathematics at Roger Williams University, where he also serves as Chair of the Data Science Program. Over the past five years, he has led efforts to develop the interdisciplinary Data Science Program, launching in Fall 2024.



Dr. Ishwari Jang Kunwar, an Associate Professor of Mathematics at Fort Valley State University in Georgia, was honored as one of the inaugural Faculty Fellows (2023-2024) of the Propel Center's HBCU Faculty Fellows Academy (HFFA), receiving \$5,500 in stipends and travel support. Additionally, he has been contributing as an author for the Calculus I courseware being developed by Ohlinger Studios in partnership with the Bill & Melinda Gates Foundation.

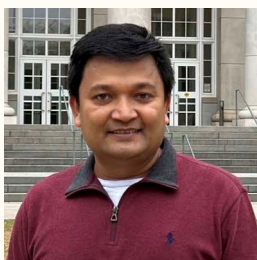
Dr. Naveen K. Vaidya, Professor in the Department of Mathematics and Statistics at San Diego State University, has received multiple prestigious grants recognizing his expertise in mathematical modeling and infectious disease research. As Sole PI, he leads projects funded by the National Science Foundation (Mathematical Modeling of Antiretroviral Therapy in Pursuit of HIV Prevention and Cure), the Simons Foundation (Prevention and Control of Infectious Diseases: Mathematical Modeling Perspective), and San Diego State University (Math-Model Informed Neural Network (MINN) for Dynamics of the Cystic Fibrosis Airway Microbiome). Additionally, he is Joint PI, alongside Dr. Jivandhar Jnawali of Tribhuvan University, on two International Mathematical Union awards supporting graduate assistantships in developing countries.



Dr. Ram C. Kafle, an Associate Professor and Graduate Program Coordinator for the M.S. in Statistics and Data Science Program at Sam Houston State University in Texas was honored with the "Graduate Advisor of the Semester Award" by the Graduate School in May 2024, recognizing his outstanding contributions to student mentorship and guidance.



Dr. Sundar Tamang, Assistant Professor of Applied Mathematics/Statistics at Western New Mexico University, has achieved notable milestones. He received the "Excellence in Research Award" (2023–2024) with a \$1,500 prize for impactful undergraduate research and the President's Society Award (\$5,000) for advancing mathematical modeling in undergraduate research. He was invited as a speaker at the AMS Spring Southeastern Meeting (March 2024) and selected for the REUF Workshop at Caltech (July 2024), where he contributed to the Gut-Brain Axis Model project led by Dr. Ami E. Radunskaya, with full travel funding. Dr. Tamang also serves as a part-time Data Scientist for the NSF-funded Con Ganas Project and received a \$3,000 travel stipend for the AMPLIFY Institute Workshop (September 2024) to promote diversity in higher education.



Dr. Vijay Kunwar, Associate Professor and Coordinator of the Mathematics Program at Albany State University, Georgia, has an impressive portfolio of leadership roles and contributions. He serves as PI and Research Fellow on an AIM AHEAD study examining Type-2 Diabetes prevalence among American adults (2024–2025, \$49,260), Co-PI on an NSF Targeted Infusion Project integrating data science into forensic science and biology curricula (2024–2027, \$399,999), Lead Faculty Researcher and Analyst for an HBCU-UP Implementation Grant (2024–2028, \$2,999,904), and Co-PI on a NASA MUREP PSI Grant (2023–2028, \$425,000). Additionally, he restructured the eCore course DATA 1501: Introduction to Data Science as a Subject Matter Expert (2023–2024) and He is currently serving as one of the authors for the Calculus I courseware (Math Big Bet), a project by Ohlinger Studios in collaboration with the Bill & Melinda Gates Foundation.



Advisory Board (2023 - 2025)

- Dr. Ghan S. Bhatt
Associate Professor, Tennessee State University, Tennessee
- Dr. Rajendra Dahal
Professor, Coastal Carolina University, South Carolina
- Dr. Kedar Nepal
Associate Professor, Mercer University, Georgia

ANMA Executive Committee (2023 - 2025)

- President: Dr. Ram C. Kafle
Associate Professor of Statistics, Sam Houston State University, Texas
- Vice President: Dr. Ishwari Jang Kunwar
Associate Professor of Mathematics, Fort Valley State University, Georgia
- Secretary: Dr. Milan Bimali
Associate Professor of Biostatistics, University of Arkansas for Medical Sciences, Arkansas
- Joint Secretary: Dr. Basanti Sharma Poudyal (Barsha)
Associate Professor of Mathematics, Tarrant County College: Northeast Campus, Hurst, Texas
- Treasurer: Dr. Ashok Aryal
Associate Professor of Mathematics, Minnesota State University Moorhead, Minnesota
- Member: Dr. Deependra Budhathoki
Assistant Professor of Teacher Education, Defiance College, Ohio
- Member: Mr. Dipak Prasad Dulal
Graduate Student, University of Alabama at Birmingham, Alabama
- Member: Dr. Archana Neupane Timsina
Postdoctoral Research Scholar, NC State University, North Carolina
- Member: Dr. Krishna Pokharel
Assistant Professor of Mathematics, University of North Georgia, Oconee Campus, Georgia
- Member: Dr. Sundar Tamang
Assistant Professor of Applied Mathematics/Statistics, Western New Mexico University, New Mexico

For a complete list of all ANMA members and other information, please visit the ANMA website (<https://anmaweb.org/>).