

Prof. Badri Laxmi Vaidya with chief Guest Sunita Dangol, Deputy Mayor of KMC

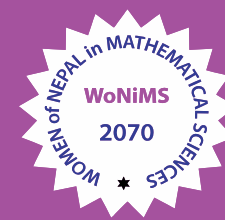


Outreach Programs at schools in Lalitpur



WoNiMS Members with Guest Professors at 10th Anniversary of WoNiMS-2080

“Commitment and Compassion for Professional Development”



WoNiMS BULLETIN

ओनिम्स बुलेटिन

Year 2 : Issue 1
Poush 13, 2081 (December 28, 2024)



Editorial

It is a great pleasure to share that the Women of Nepal in Mathematical Sciences (WoNiMS) has published its second issue of the WoNiMS Bulletin on its 11th anniversary.

WoNiMS has been involved actively in various mathematics-related activities to meet the WoNiMS mission with the primary efforts according to its capacity and to promote mathematics in society, Girls and Women in particular.

This issue highlights the major activities of WoNiMS, and its valued life members from the last date of December 2023 to the end of December 2024 and incorporates the activities carried out by the WoNiMS in this period, including the various academic and professional collaborative works, WoNiMS achievement, award, appreciation and research activities of our valued life members. A complete list of the life members of WoNiMS has also been included at the end of the Bulletin.

We express our considerable appreciation to all members, advisory board members, the subcommittees, and all well-wishers for their support, feedback, and valuable time which has made this bulletin Possible.

–WoNiMS

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Message from the President

Today, we are Celebrating WoNiMS's 11th Anniversary. WoNiMS started to celebrate WoNiMS Day every year on December 28 to mark its establishment in 2071 BS. This moment is a great honor and pleasure for me to congratulate all of us and releasing another issue of "WoNiMS Bulletin" Year 2 : Issue 1 on this great day of WoNiMS family.

WoNiMS was founded by a group of women who teach mathematics in universities and schools, and researchers in the mathematical sciences. WoNiMS was founded and proclaimed at the event "One-day Seminar on Mathematical Sciences in Nepalese Context" conducted by CSC (Mathematics Council, Society, and Center) on December 28, 2013, at Denish Hall of Padmakanya Multiple Campus of Tribhuvan University.

The primary goal of WoNiMS is to create a forum for women in mathematics research and education to exchange their knowledge, skills, and experiences. WoNiMS has been serving as a community of practice for their professional development. Furthermore, WoNiMS intends to encourage women to participate in advanced mathematics and academic activities in research, mathematics teaching, and sharing their innovative and new knowledge to help themselves and improve their career in mathematics.

WoNiMS strives to encourage women in mathematics in Nepal, particularly among undergraduate female students, by collaboration and cooperation with mathematical groups, mathematical societies, and organizations with similar interests, as well as the interchange of ideas in mathematics research and teaching.

Since its inception, WoNiMS has contributed to the professional growth and development of Nepali women aspirants in advanced studies in mathematics, as well as women mathematicians, teachers, and researchers, through activities such as seminars, workshops, conferences, outreach programs, and pedagogical training to expose them to new methods and technology for mathematics teaching.

In this regard, the volunteer lecture program for undergraduate students and research schools in specific branches of Mathematical Sciences is expected to strengthen WoNiMS's organizational operations in the days to come.

I, on behalf of WoNiMS, am thankful to all who have supported us academically, financially, and in many other ways, and we also hope the same in the years to come and request join us on this exhilarating journey of WoNiMS.

Dhana Thapa
President of WoNiMS



WoNiMS Activities at a Glance (December 2023- December 2024)

1. WoNiMS Day 2080, 6th Annual General Meeting and 3rd Convention

WoNiMS celebrated "WoNiMS Day" on the 14th of Poush, 2080 (30th December, 2023) on its 10th anniversary at the Seminar Hall of the Central Department of Mathematics, TU, Kirtipur in the presence of esteemed Professors of Mathematics, valued life and general Members of WoNiMS and distinguish guest from publication house to academic institution. Four PhD degree awardee life members of WoNiMS were felicitated with a token of love in the program. They were Kharika Devi Parajuli (Topic: Connecting Vedic, Ethno and School Mathematics, December 2022), Gauri Bhujju (Topic: Fuzzy approach to Dynamical Study of CoViD-19 and Dengue Disease, May 2023), Kabita Luitel (Topic: Mathematical Models for Heat Transfer in Human Body, June 2023), and Sharmila Shrestha (Topic: Finite Element Approach to Study Temperature Distribution in Tumor-embedded Breast Tissue Model, July 2023). The inaugural issue of the "WoNiMS Bulletin" Year 1, Number 1 was released by the Chief Guest Prof. Dr. Bhadra Man Tuladhar, also an advisory board member to the WoNiMS.



Prof. Dr. Bhadra Man Tuladhar inaugurating the 10th WoNiMS Day Celebration-2080

WoNiMS Member List

No	Name	Affiliation	Member
1	Anjana Devi Bhandari	University of Nebraska Lincoln, USA	Life
2	Anjana Pokharel	Padmakanya Multiple Campus, Bagbazar	Life
3	Badri Laxmi Vaidya	Badri-Tirtha Arthritis Society, Kathmandu	Life
4	Bindra Devi Shakya	Padmakanya Multiple Campus, Bagbazar	Life
5	Bhirkuti Tara Dhakal	Tri-Padma School, Pulchowk, Lalitpur	Life
6	Dhana Kumari Thapa	Padmakanya Multiple Campus, Bagbazar	Life
7	Gauri Bhujju PhD	Bhaktapur Multiple Campus, Bhaktapur	Life
8	Gita Shrestha	Amrit Science Campus, Lainchour	Life
9	Goma Shrestha	Ganesh Secondary School, Kathmandu	Life
10	Hom Kumari Adhikari	Central Department of Education, Kirtipur	Life
11	Jyoti U. Devkota, PhD	School of Science, Kathmandu University	Life
12	Kabita Luitel, PhD	Bhaktapur Multiple Campus, Bhaktapur	Life
13	Kabita Yadav	BernHardt College, Kathmandu	Life
14	Laxmi GC Aryal	Sanothimi Campus, Bhaktapur	Life
15	Laxmi Tiwari	MMC, Nayabazar, Kathmandu	General
16	Mina Gumanju	Khwopa Secondary School, Bhaktapur	General
17	Mina Machamashi	Khwopa Secondary School, Bhaktapur	General
18	Muna Bista	Janamaitri Multiple Campus, Kathmandu	Life
19	Neelam Subedi, PhD	Janamaitri Multiple Campus, Kathmandu	Life
20	Neelam Tara Tuladhar	Vishwa Niketan Secondary School, Tripureshwor	Life
21	Nutan Dhungana	Bishal Milankendra Community Library, Kathmandu	Life
22	Rachana Joshi	Pragati Shiksha Sadan Secondary School, Lalitpur	Life
23	Radha Devi Shrestha	Gorkha Campus, Gorkha	Life
24	Ritu Basnet Thapa	Tri-Chandra Multiple Campus, Ghantaghar	Life
25	Rohini Shrestha Amatya	Madan Smarak Secondary School, Patan	Life
26	Ruma Manandhar, PhD	National Open University, Lalitpur	Life
27	Sarada Pahari	Mahendra Ratna Campus, Tahachal	Life
28	Sarala Devkota	Gorkha Campus, Gorkha	General
29	Sarala Luitel	Central Department of Education, Kirtipur	Life
30	Saraswati Acharya, PhD	School of Science, Kathmandu University	Life
31	Shanti Bajracharya, PhD	Tribhuvan University	Life
32	Shanti Kumari Adhikari	Path Pardasak Secondary School, Godawari	Life
33	Sharada Shrestha	Tri-Chandra Multiple Campus, Ghantaghar	Life
34	Sharmila Shrestha	Khwopa Secondary School, Bhaktapur	Life
35	Shobha Adhikari	Changunarayan Secondary School	General
36	Suchitra Bajracharya	Padmakanya Multiple Campus, Bagbazar	Life
37	Sumitra Bhatta Banjara	Shree Siddhakali Secondary School, Gorkha	Life
38	Susmita Pathak	Sanskriti International School, Swayambhu	Life
39	Tara Poudel	Mahendra Ratna Campus, Tahachal	Life
40	Nhuchhe Sobha Tuladhar	Tribhuvan University	Life
41	Krishna Mani Joshi	Tribhuvan University	Life
42	Shrijana Dhakal, PhD	Pulchowk, Campus, Lalitpur	Life
43	Kumudini Bomzon	Adarsha Secondary School, Ilam	Life
44	Laxmi Sharma	Nepal Sanskrit University, Ranipokhari	Life
45	Prem Kumari Dhakal	Mid-West University, Surkhet	Life
46	Kharika Parajuli, PhD	Golden Nature Bording School, Pokhara	Life
47	Prakriti Dhakal	Thapathali Campus, Thapathali	Life
48	Manju Subedi	Gandaki University, Pokhara	Life
49	Rasmi Tamang	Kathmandu University	Life
50	Kalpna Bogati	Shree Balambu Secondary School, Kathmandu	Life
51	Purnima Adhikari	Institute of Engineering, Pulchowk, Lalitpur	Life
52	Pramila Kharel	Marvellous Secondary Boarding School, KTM	Life
53	Sylvia Wiegand	Professor Emerita, University of Nebraska- Lincoln, USA	HLM
54	Mina Suwal	Kathmandu University	General

7. WoNiMS Achievement

There was a Significant Announcement in the Guru Felicitation and Mathematical Excellence Award Ceremony at Russian House in Kathmandu, to appreciate WoNiMS and its exemplary work in promoting mathematics to women and Girls in higher education in Nepal. On the recognition of WoNiMS, Anton MASLOV- First Secretary of the Russian Embassy & Director of the Russian Center of Science and Culture handed NPR. 25000 cash (Twenty-five thousand) and Gift hampers to the president of WoNiMS in memory of Sofya Kovalevskaya, the First Russian women Mathematician. July 5, 2024.



8. Goma Pokharel Smriti Akshaya Kosh (GPSAK)



WoNiMS in collaboration with Professor Keshav Pokhrel, founding member of Goma Pokharel Smriti Akshaya Kosh (GPSAK) has established a very inspiring scholarship scheme of a total amount of Rs. 1020000 (Ten lakh twenty thousand only) for undergraduate girls majoring in mathematics at Tribhuvan University's constituent campuses. This Scheme will be a milestone in promoting Girls in mathematics in Nepal.

9. Honorary Life Membership

WoNiMS presented an Honorary Life Membership to Sylvia Wiegand, Professor Emerita at the University of Nebraska, Lincoln, NE, USA to honor her incredible contribution to WoNiMS and its Professional growth.



10. Badri-Tirtha Memorial Life-time Achievement Award

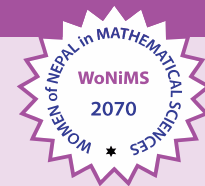


The WoNiMS family is grateful to the Badri Tirtha Arthritis Society (BTAS) for the wonderful opportunity given to be associated with a visionary collaboration for the societal, organizational and professional upliftment of the WoNiMS and Women in Mathematics by establishing the "Tirthananda Vaidya Memorial Lifetime Achievement Award".

On the occasion of the BTAS anniversary and a opening of a week long Rheumatic Disease Awareness Program on 16th of January 2024, organized by National Center for Rheumatic Disease (NCRD), the chief guest Sunita Dangol, Deputy Mayor of Kathmandu Metropolitan City presented the "Tirthananda Vaidya Memorial Lifetime Achievement Award" to Dr. Neelam Subedi, Founder Vice-President of WoNiMS for her tireless dedication and contribution to the WoNiMS's professional growth.



11. Future Initiative Announcement



- WoNiMS International Conference 2026 (19-21, February, 2026)
- Volunteer Lecture Program for undergraduate girls Students at the Department of Mathematics and Statistics, Padmakanya Multiple Campus (11 August - 28 October 2025)
Resource Person: Assistant Prof. Julie F. Rana, Lawrence University in Appleton, WI, USA.

Prof. Dr. Tank Nath Dhamala, Head of the Central Department of Mathematics delivered his invited talk on "Urmila's Dedication to Science, Society and Humanity". Urmila was the youngest Professor of Mathematics and did her PhD in Contraflow Optimization at a very young age. She left her life battling breast cancer at the age of 41 on April 2023. After two hours of WoNiMS Day Celebration, the sixth annual general meeting and 3rd convention successfully concluded forming a new Executive committee of 11 members under the presidency of Dhana Kumari Thapa for the next tenure of two years effective from January 2024.



Prof. Dr. Tank Nath Dhamala

Executive Committee-2080

Dhana Kumari Thapa, **President**
Dr. Kabita Luitel, **Vice President**
Tara Paudel, **Secretary**
Dr. Gauri Bhujju, **Joint Secretary**
Sarala Luitel, **Treasurer**

Members:

Dr. Ruma Manandhar
Rachana Joshi
Dr. Saraswati Acharya
Dr. Sharmila Shrestha
Nutan Dhungana
Radha Devi Shrestha

On Different online portals, <https://sansarnews.com/392759/>; <https://www.nepalkhoj.com/2024/01/01/353035/> and <https://www.sabdapati.com/detail/42224> published in their Media Coverage of the WoNiMS Day, 6th AGM, and 3rd Convention program on December 30, 2023.

2. Celebration of Special Days of Women and Mathematics

International Day of Women and Girls in Science (IDWGS), 11 February 2024.

On the occasion of the International Day of Women and Girls in Science (IDWGS-2024) WoNiMS celebrated with the partner society Center for Natural and Applied Sciences (CNAS) in collaboration with Nepal German Academic Association (NEGAAS), Women in STEM Club, Nepal, and Pulchowk Campus for the joint efforts to foster girls' interest in Science, Technology, Engineering and Mathematics (STEM) field on the theme of "Women of Science Leadership: A New Era for Sustainability" on 10th of February, Saturday at the Library Hall of the Pulchowk Engineering Campus. It was a collaborative milestone for moving forward with organizations with similar goals to empower, inspire, and motivate more girls and women in STEM. It was a kind of application of the CNC model developed by the WoNiMS for Work Together Grow Together.



May 12 Initiative: (WoNiMS Outreach Program 1)

On the special day of Women and Mathematics, an Initiative launched by IMU-CWM worldwide in 2019 in memory of Mariyam Mirzakhani, a Field Medalist in 2014. On Sunday, 30th of Baisakh, 2081, WoNiMS also organized an event in collaboration with Madan Smarak Secondary School, Lalitpur on the theme of "Empowering Girls to Unlock their Futures through the Power of Mathematics". This event was dedicated to secondary school students featuring a brief

presentation about Maryam Mirzakhani and International Women in Mathematics Day followed by an insightful discussion on the role of teachers in fostering girls' interest in Mathematics including an inspiring talk on girls' and school mathematics and career opportunities.

And, highlighting a presentation by Sofiya Giri, a Grade 10 student, on her firsthand Mathematical Learning Experience including contributed talks on "Empowerment through Mathematics: Creating Opportunities" by Dr. Gauri Bhujju & Dr. Sharmila Shrestha and "Role of Teachers for Encouraging Girls in Learning Mathematics" by Bhirkuti Dhakal. This May 12 Initiative 2024 event was a joint effort by WoNiMS and Madan Smarak School to change the societal mindset towards mathematics and Girls' education.



3. WoNiMS Meet and Greet

A 2-day "WoNiMS Meet and Greet" Event was organized on 14-15 June 2024 to achieve wonderful things for WoNiMS Dynamism and future endeavors. WoNiMS EC members and Advisors to the WoNiMS Prof. Dr. Shanti Bajracharya, Prof. Badri Laxmi Vaidya, and Dr. Neelam Subedi spent Quality moments together at the Bhaktapur Guest House for WoNiMS-team-work-shop. The WoNiMS members, think, discuss, share, and present the best possible ways of future initiatives making three groups: A, B, and C with Group leaders Prof. Shanti Bajracharya, Prof. Badri Laxmi Vaidya, and Dr. Neelam Subedi and co-leaders Dr. Sharmila Shrestha, Dr. Kabita Luitel, and Tara Paudel presented about the future takeovers to be taken to achieve the goals on planned perspective and initiatives of WoNiMS.



4. Congratulations

The WoNiMS family is proud to congratulate the following Life members of WoNiMS for their achievements:

- Sarala Luitel: PhD Scholarship from NORHAD-II Project of Nepal Open University, Feb 15, 2024.
- Rachana Pradhan Joshi: on receiving outstanding performance and dedication on teaching mathematics award with a cash prize from Pragati Shiksha Sadan Secondary School, May 4, 2024.
- Ritu Basnet: for receiving the NMS PhD fellowship, on May 18, 2024.
- Dr. Gauri Bhujju: on the appointment of Deputy Director of the BBA, BBM, and BIM program at Bhaktapur Multiple Campus on May 26, 2024.
- Prof. Badri Laxmi Vaidya, Advisor to WoNiMS, and Prof. Krishna Mani Joshi, on their felicitations at the "Guru Samman Program" for their 75 years of lifetime commitment and accomplishments in Mathematics teaching at Higher education organized by Mathematical Science Trust-(MST) Nepal on July 5, 2024.
- Prof. Dr. Jyoti U. Devkota, on receiving the "Mathematical Sciences Excellence Award" by Mathematical Sciences Trust-(MST) Nepal on July 5, 2024.
- Dr. Saraswati Acharya: on her appointment as an Associate Professor of Mathematics at Kathmandu University, School of Science, Department of Mathematics on July 14, 2024. And for receiving the "National Education Award"

on National Education Day 2081.

- Associate Prof. Tara Paudel: On the appointment as the Head of the Department of Mathematics Education at Mahendra Ratna Campus, Tahachal, Tribhuvan University on August 15, 2024
- Anjana Pokhrel: PhD Award in Mathematics on the topic: "Dynamics of Transmission and Control of Measles" from Tribhuvan University on August 26, 2024
- Radha Shrestha: on getting appointed as a permanent Lower secondary mathematics teacher at school in Bhaktapur on 24 December 2024.

5. Collaborative work

- "International Day for Women and Girls in Science (IDWGS- 2024)" with the Center for Natural and Applied Sciences (CNAS), Feb 11, 2024.¹
- "Guru Samman Program" with Mathematical Science Trust-(MST) Nepal on July 5, 2024, at Russian Culture Center, KamalPokhari, Kathmandu.²
- "First National Ethnomathematics Conference" with the Department of Mathematics Education, Mahendra Ratna Campus, Tahachal, 8-9 December 2024³
- Second International Conference on Mathematics and Applications (ICMA-2024) with Nepal Mathematical Society. 13-15 December, 2024.⁴



6. WoNiMS Outreach Program

- "WoNiMS Outreach Program 2: for grades 8-9 students to enhance their mathematical knowledge and develop deeper relations between students and the mathematics they learn at Pragati Shiksha Sadan Secondary School, Kupondole, Patan, Friday, 19 July 2024 . Dr. Saraswati Acharya, Dr. Sarmila Shrestha and Dr. Gauri Bhujju delivered their talk on ICT and School Mathematics. Kabita Yadav, a grade IX student shared her learning experience.
- "WoNiMS Outreach Program 3: On 20th December, 2024, WoNiMS organized another outreach program to the school students of Grade 8,9, and 10 to enhance their mathematical knowledge and develop deeper relations between students and the mathematics they learn at Adarsha Kanya Niketan, Mangalbar, Lalitpur. It was a wonderful outreach sharing session to interact with students' learning motivation and teachers' knowledge in mathematics. Sarala Luitel delivered her talk on mathematics in higher education and opportunity. Shristi Mijar of grade IX student shared her experience in learning mathematics.

