

Report on Second Regional Conference on Women in Physics, Nepal (RCWIP-2019)

Date: March 27-29, 2019

Venue: Kathmandu University



Organized By



Nepalese Society for Women IN Physics (NSWIP)

in association with

Tribhuvan University, Tri-chandra Multiple Campus, Department of Physics
and Research Centre for Applied Science and Technology (RECAST)

By

Nilam Shrestha Pradhan, PhD

May 2019

Conference Overview and Acknowledgements:

The Second Regional Conference on Women in physics, Nepal (RCWIP-2019) was held on March 27-29, 2019 at Kathmandu University. The central theme of the conference was "*Fostering Professional Development and Nurturing the Future Women Leaders.*" The three days conference provided the opportunity for women to share their recent achievements and develop and expand networks among women physicists of the region. The Nepalese Society organized the conference for Women in Physics (NSWIP) in association with Tribhuvan University, Research Center for Applied Science & Technology and Department of Physics, Tri-Chandra Campus. The purpose of the conference was to:

- Help garner interest and encourage young women to participate and build their careers in the field of Physics,
- Provide a platform to access the network of women physicists from all over the world, for sharing knowledge and fostering research,
- Have first-hand opportunity to interact with renowned faculties, researchers and intellectuals in the field of Physics,
- Explore strategies to improve data acquisitions and analysis

The conference brought together eminent professors from different countries of the region, who spoke on how women can succeed in professional careers in academia or industry. The participants were able to learn and present papers at the conference. Opportunities were provided to present original research to the participants. One of the conference's outcomes was to build a nationwide database for women physicists in academia that will enable networking that will foster research collaborations and peer mentoring.

Participation and talks

The conference attendees were from 7 different countries: Bangladesh, Japan, India, Iran, Nepal, Pakistan, and Canada. They included 15 professors, 14 researchers, 20 full and part-time faculties from universities, and over 80 graduate students, including ten volunteers.

The conference program included nine invited talks, three contributed talks, two guest speaker talks, 12 talks by participants, two webinar, and 12 posters. In total, 40 papers were presented by 150 participants.

Organizing Committee

The conference was chaired by Prof. Dr. Nilam Shrestha Pradhan (President of Nepalese Society for Women in Physics) and was coordinated by Dr. Leela Pradhan Joshi (Vice president of NSWIP) and Dr. Sanju Shrestha (Secretary of NSWIP). The secretariat support was provided by Ms. Ankita Rai, Ms. Manisha Dwa, and Ms. Ambika Pandey. Local Organizing Committee (LOC) members consisted of Rekha Dixit, Rachana Ghimire, Neeru Shrestha, Seema Karna, Laxmee Dangol, Rajesh Shrestha, Suresh Bhattarai, Karan Giri, Gayatri Adhikari, Dr. Rajendra Adhikari, and Asmita Khanal .

This International Conference required year-long planning. The organizing committee is very grateful for the national and international support, without whom this conference was not possible to convene.

First, we thank to Prof. Dr. Ram Kantha Makaju, Vice Chancellor, Prof. Dr. Kahanya Jha, Dean, Prof. Dr. Deepak Subedi, Director, Dr. Ujjwal Man Joshi, Head of the Department and Dr. Rajendra Adhikari of Kathmandu University, School of Sciences, for providing the venue and the physical facilities for this conference.

International Support

We are very much grateful to Prof. Sekazi Mtingwa, Chair, International Centre of Pure and Applied Physics, IUPAP, C13, Commission on Physics for Development, and to Prof. Joe Niemela, Advisor of International Program, the Abdus Salam International Centre for Theoretical Physics, ICTP (Sm 19/02), for financial support and to Prof. Gillian Butcher, Chair, IUPAP, Working Group 5 on Women in Physics (WGWIP), USA, for supporting travel grants for the invited speakers.

We are sincerely thankful to Prof. Dr. Bhim Prasad Subedi, Chairperson, University Grants Commission (UGC), Mr. Krishna Raj B.C, Secretary, Ministry of Education, Science & Technology (MoEST), Government of Nepal, Dr. Sunil Babu Shrestha, Vice Chancellor, Nepal Academy of Science and Technology (NAST), Dr. Sitaram Joshi, Principal, Lalitpur Valley College (LVC), Dr.Kavi Raj Bantawa, Chairperson, United Academy (UA), Heritage Publication & Distributors, and Trinity International SS & College for their budgetary and other support.

Our thanks go to the conference International Advisory Committee members: Prof. Dr. Jacquelyn Beamon-Kiene, APS/IUPAP WGWIP, USA, Prof. Dr. Aziz Fatima Hasnain, Centre for Physics Education, Pakistan, Prof. Dr. Shamima K Choudhury, University of Dhaka, Bangladesh, Prof. Dr. Adriana Predoi-Cross, University of Lethbridge, Canada, Prof. Dr. Michael Steinitz, Editor, Canadian Journal of Physics, Prof. Dr. Setsuko Tajima, Dean of School of Science, Department of Physics, Osaka University, Japan, Prof. Dr. Dina Izadi, Director & Researcher at Ariaian Young Innovative Minds Institute, AYIMI, Iran and Dr. Sethulaxmee Narayani, India. Our special thanks go to Prof. Dr. Anisa Qamar, University of Peshawar, Pakistan, for her constant and continuous advice on how to organize this conference.





In addition, we are thankful to the National Advisory Committee members Prof. Dr. Kedar Lal Shrestha, Former Vice Chancellor, NAST, Prof. Dr. Sudha Tripathi, Rector, TU , Dr. Rishi Shah, Academician, NAST, Prof. Dr. Rameshwar Adhikari, Executive Director, RECAST, TU, Prof. Dr. Ram Prasad Khatiwada, Dean, IOST, TU, Prof. Dr. Kanhaiya Jha, Dean, KU, Prof. Dr. Hridaya Ratna Bajracharya, VC, Lumbini Buddhist University, Prof. Dr. Pradeep Kumar Bhattarai, President, NPS, Prof. Dr. Indra Bahadur Karki, Dean, Nepal Open University, Prof. Dr. Binil Aryal, Head, CDP, TU, Prof. Dr. Raju Khanal, CDP, TU, Prof. Dr. Tika Katuwal, TC, TU, Asso. Prof. Rajendra Gautam, TC, TU, Prof. Dr. Deepak Subedi, Director, RDC, KU and Dr. Ujjwal M. Joshi, Head of Department, KU and Dr. Kaviraj Bantawa, TC, TU, Ms. Urmila Joshi, President, Women In Science and Technology (WIST), Associate Professors Jayashree Amatya, Shyama Regmi, Ravi Laxmi Chitrakar and Meena Rana, Advisor of NSWIP for their support.

We want to thank especially to all invited speakers also who came to Kathmandu from more than seven different countries and nearly 150 young physicists who participated in the three days of the conference. We also thank all the veteran officials who delivered talks, played the role of moderators and chaired the sessions, including the panel discussions.

Last but not the least, we must thank to Mr. Lokendra Prasad Nhuchhe Pradhan for his continuous and unconditional support in organizing the conference, Mr. Nischal Prasad Nhuchhe Pradhan for designing Poster and Brochure of the conference and Mr. Nischit Prasad Nhuchhe Pradhan for all required IT support. Our gratitude goes to Ms. Priyanka Das for preparing this report and Ms. Resma Tamrakar for hosting (MC) the program.

The conference program

Nepalese Society for Women in Physics (NSWIP) in association with Department of Physics, Tri-Chandra Multiple Campus, Tribhuvan University and the Research Centre for Applied Science and Technology (RECAST), Kathmandu has organized the ‘**Second Regional Conference on Women in Physics (RCWIP 2019)**’ in Nepal from 27 to 29 March, 2019 at Kathmandu University. The theme of the conference was ‘*Fostering Professional Development and Nurturing the Future Women Leader*’. This second conference has been organized in continuation of the First Regional Conference held in Pakistan in 2016 where both regional and international women physicists gathered to discuss scientific and country papers.

(A) Background information

The conference aimed to provide the participants with opportunities for:

- i) sharing their scientific accomplishments,

- ii) discussing recent improvements in the status of women in physics in Nepal and nearby countries, and
- iii) making recommendations to the corresponding government for policies that encourage and support a friendly working environment for women in academia and other professions.

(B) Objective

The main objectives of the conference are enumerated below:

- Help garner interest and encourage young women to participate and build their careers in the field of Physics,
- Understanding the status of Women Physicists in Nepal,
- Provide a platform to access the network of women physicists from all over the world, for sharing knowledge and fostering research,
- Gain first-hand opportunity to interact with renowned faculties, researchers and intellectuals in the field of Physics

(C) Methodology:

The Programme was divided into two Parts

C1. Technical Part:

Technical Part was chaired by Dr. Leela Pradhan Joshi, with Dr. Ujjwal Man Joshi, Dr. Rajendra Adhikari, Mr. Gayatri Adhikari, Mr. Rajesh Shrestha, and Mr. Suresh Bhattarai as other members. This part consisted of three focal activities: a) Scientific Session, b) Women in Physics, and c) Panel Discussion.

The *Scientific Session* included both oral and poster presentations. The *Women in Physics Session* included oral and poster presentations and webinars.

The timetable of both *sessions* with numbers of presentations are given below:

Presentations	Scientific		Women in Physics			Panel Discussion
	Oral	Poster	Oral	Poster	Webinar	
Day I	2	-	3	-	-	-
Day II	9	-	3	-	-	-
Day III	9	12	-	2	2	1
Total	20	12	6	2	2	1

C2. Conference logistics

Dr. Sanju Shrestha chaired the conference logistics, with Ms. Rachana Ghimire, Ms. Kalpana Gyawali, Ms. Seema Karna, Mr. Karan Giri and Ms. Manisha Dwa as other members. This group had a responsibility to care for three major focal activities: i) Accommodations, ii) Food, and iii) Local conveyance facilities.

Hospitality & Food:

All the foreign delegates were hosted in Dhulikhel Lodge Resort, a tourist hotel. All local delegates/participants were hosted in a standard hotel at Dhulikhel. Both the hotels provided B&B (Bed & Breakfast) facilities to the delegates.

Tea and Coffee were provided throughout the day on all three days. Lunch and dinners were provided at Kathmandu university cafeteria and hostel mess respectively for all three days. On the 3rd day evening, foreign delegates were invited to a guest house in Bhaktapur where they enjoyed the traditional local cuisine and enjoyed the cultural program.

Local Conveyance:

All the foreign delegates were provided with rides from the airport to the hotel. LOC members were very enthusiastic about welcoming them at the airport on their arrivals.

On the other hand, there was a special daily shuttle bus service from Kathmandu city to Kathmandu University, Dhulikhel for all three days, courtesy of United Academy.

A Short Hiking and a City Tour:

There was also hiking for an hour on the first day to a 1000 Steps Peak at Dhulikhel. All the foreign, as well as local delegates and participants, took part in the activity and enjoyed the sunset view from the peak.

On the 2nd day evening, foreign delegates were taken to a city tour at Kathmandu city which was very enjoyable. The delegates also had shopping and dining at the hustle and bustle downtown of Kathmandu city.

Conference timetable

DAY 1: MARCH 27, 2019 (WEDNESDAY)

The registration was open at 8:30 in the morning, for about an hour. The opening ceremony kicked-off at 10:00AM by honouring the guests followed by ignition of the lamp jointly by our Chief Guest Prof. Dr. Bhim Prasad Subedi, Chairperson, University Grants Commission (UGC), and Prof. Dr. Nilam Shrestha Pradhan (RECAST, TU), President of NSWIP. The program started after the national anthem, with Ms. Reshma Tamrakar as convenor. Prof. Dr. Nilam Shrestha Pradhan offered the welcome address, and presented a brief introduction of the society and an update on the status of women physicists of Nepal. The inaugural address was

offered by the Chief Guest- Prof. Dr. Bhim Prasad Subedi. The inauguration session ended at 11:00.

Prof. Dr. Bhim Prasad Subedi, Chairperson of UGC



Ingniting inaugural lamp



Registration desk



President of NSWIP with Mr. Krishna Raj BC
(Secretary of MoEST)



Honouring Chief Guest



Delegates



Honouring Foreign delegates

The first session chaired by Prof. Dr. Michael Steinitz began at 11:30 and included physics talks by the foreign delegates. Prof. Dr. Anisa Qamar, expert in Plasma Physics from Pakistan, presented on the topic of magnetic reconnection. She discussed about the change in magnetic topology in different astro-events like solar flare, prominences, auroras, sunspots and galactic

magnetotails, etc. Prof. Dr. Farida Tahir from Pakistan discussed the neutrino mass. She illustrated the mystery behind the neutrino mass and the mechanism responsible for its generation, big goals in the communities of Particle Physics, Astroparticle and Cosmology. Then, a group photo was taken to record the finest memories of this historic event.

Session-II started at 13:30 based on the women education in Physics chaired by Prof. Geeta Acharya of Tribhuvan University, Nepal. The first speaker was Prof. Shamima K. Choudhury, from University of Dhaka. The topic of her presentation was ‘Gender Equality in Science and Engineering’. She has highlighted the following issues in her talks. Gender equality is the demand, not only in physics but in all the field of science and engineering, which is a major global problem. Challenges behind these are: deeply rooted gender bias, lack of confidence and balancing the carrier with family.

The second presentation was ‘Linking the Art with Science by ORIGAMI’ by Prof. Dina Izadi, Director & Researcher at Ariaian Young Innovative Minds Institute, AYIMI, Iran. She has focused her talk on how to build the student capacity and to solve the problem related to real life by doing interesting and motivating experiments, by designing and being creative with different arts.

The 3rd and the last talk of the first day of the conference was by Dr. Gauri Shrestha who spoke about the status of women in Nepal. The data and stories presented in her talk allowed her to conclude that women are not considered as managers of their activities. The first day of conference ended on a pleasant note preceded by sightseeing program at Dhulikhelto, a small hike of 1000 steps to the peak.



At 1000 steps peak of Dhulikhel

DAY 2: MARCH 28, 2019 (THURSDAY)

Session-I initiated at 9:00 including scientific talks on Physics. Altogether nine speakers flourishingly delineated on their respective topics till 12:55PM. The first talk of this day was depicted by Prof. Dr. Setsuko Tajima, Dean of School of Sciences, Department of Physics, Osaka University, Japan, on the topic 'High Temperature Superconductivity and My Research Career'. She described how she struggled after her marriage to carry out her research works. Second talk of this day on 'Multifunctional Application Potentials of Manganites' was delivered by Dr. Sethulakshmi Narayanan, DST Women Scientist at IIT, Gandhinagar, India. She elaborated that Magnetic refrigeration, cooling technology based on magnetocaloric effect (MCE).

Third talk on 'Fabrication, Structural, Magnetic and Electrical properties of (Co-Zn) Fe₂O₄ Spinel Ferrite Nanoparticles' was presented by Prof. Dr. Asghari Maqsood, Dean Faculty of Basic Science and Technology. Fourth talk on 'Dielectric properties of Plasma Polymerized 2-(Diethylamino) Ethyl Methacrylate Thin Films' was presented by Dr. Tamanna Afroze. These four talks were chaired by Prof. Dr. Anisa Qamar and co-chaired by Dr. Leela Pradhan Joshi.

The talk was further carried out by Ms. Iffat Nur Esha at 11:15 who described about the influence of Eu³⁺ on magnetic, dielectric and resistive properties of Ferrites synthesized by standard solid-state reaction. After that Ms. Armin Anwar wonderfully presented on ferroelectricity and ferromagnetism in Sm and Ti co-doped BiFeO₃ nanoparticles. The outcome of her investigation suggests that the enhanced structural and multiferroic properties of Sm-Ti co-doped BiFeO₃ nanoparticles are associated with homogeneous reduced grain size, significantly suppressed impurity phases and reduction in leakage current density.

Similarly, Dr. Leela Pradhan Joshi, Associate Prof. at TU and HOD of Amrit Science Campus explained the method of preparation of Mn doped ZnO Films for Ethanol Vapor Detection. Then, Ms. Usha Joshi depicted about the estimation of Global Solar Radiation (GPS) using different models at Pokhara, Nepal. She concluded that the obtained empirical constants and metrological parameters are utilized to predict the GSR at similar climatic region of Nepal. Mr. Prakash Man Shrestha interpreted the impacts of Linked Turbidity on Solar Radiation in Pokhara. These five talks were chaired by Prof. Deepak Subedi from KU, Nepal and co-chaired by Dr. Sanju Shrestha from TU, Nepal.

Session-II including the talks on women education in Physics was displayed by three speakers which commenced from 13:55 till 15:15 and chaired by Pro. Shamima K. Choudhury. The first talk of Session-II was well interpreted about the role of Physics Education in Women Development in Pakistan by Prof. Aziz Fatima Hasnain, Secretary General at Centre of Physics Education. She discussed about the efforts to be undertaken for sustainable development in physics education in context with women development in Pakistan. Afterwards, Prof. Dr. Asghari Maqsood favourably illustrated the topic named 'Leading Women Physicists of Pakistan'. Lastly, Ms. Neeru Shrestha flourishingly presented on 'Status of Women Physicists in Nepal'. Eventually the program ended at 16:00 on the second day of the conference.

DAY 3: MARCH 29, 2019 (FRIDAY)

With a fresh start of the morning, the Session-I talks on physics topics began at 09:00 with Mr. Devendra Raj Upadhyay as speaker who described about the physical properties of dust structure around NGC1514 Nebula in Astronomical Satellite Map. After that Ms. Anita Mishra presented her research work on estimation of background radiation in TU, Nepal by In-Situ Gamma Ray Spectrometry. Similarly, Ms. Seema Karna presented on 'Time period for the precession of the Earth's aphelion in 3-D numerical model'. These three talks were chaired by Prof. Dr. Raju Khanal from TU, Nepal.

The fourth talk, on the topic 'The Mechanics of Scientific Publishing, Peer Review, and Ethics in Publishing' was presented by Prof. Dr. Michael Steinitz, Editor, Canadian Journal of Physics, representing, International Union of Pure and Applied Physics, IUPAP, C13, Commission. He emphasized that communication is an essential part of the scientific endeavour. Then, fifth talk of the day was presented by Assoc. Prof. Dr. Sanju Shrestha with on the topic 'Resonant Tunnelling in Triple Well'. Afterwards, Prof. Dr. Michael Steinitz presented on 'International Year of Basic Sciences for development'. He summarized some of the past and future activities of Commission 13 of IUPAP. He further added that conferences sponsored by Commission 13 should devote resources to two areas: 1) support for affordable small instrumentation for teaching and research and 2) addressing the problem of plagiarism in scholarly publications, perhaps with an educational campaign made available to students in developing countries. These three talks were chaired by Prof. Kedar Lal Shrestha from TU, Nepal.

The posters presentations were held in the middle of the day, parallel with the oral presentation. Poster presentation covered topics such as 'Synthesis of Transparent and Hydrophobic Surface Layer on Glass' by Ms. Kalpana Gosain; 'Study of Dust Properties Around C-Rich AGB Star: IRAS 04427+4951' by Ms. Meenashree Khanal; 'Construction of LED Display for Displaying Textual and Graphical Information' by Mr. Niraj Shrestha; 'Optical Properties of Aerosols over Kathmandu Valley by Using Ground-Based Sun Photometer' by Mr. Prakash Kafle; 'Occupational Radiation Exposure Among the staffs of Radiation Oncology Department in Bhaktapur Cancer Hospital, Nepal' by Ms. Priyanka Kumari Das; 'Relationship Between Luminosity and Wavelength for Different Temperatures' by Rasmita Timalisina; 'Correlation of Solar Magnetic Field with Different Parameters During Geomagnetic Disturbances' by Ms. Srishti Pant; 'Investigation of Multi-Component Magnetized Plasma Interacts with the Carbon Surface' by Mr. Suresh Basnet and 'Status of Women in Physics Education in Different Province of Nepal' by Ms. Nikita Parajuli.

Oral presentations in the parallel session preceding the poster presentation (from 11:35 am to 12:20 pm) was chaired by Prof. Dr. Setsuko Tajima. Ms. Ambika Pandey presented on 'Study on the Influence of Direct Current Field on Dispersion of Activated Carbon'. After that, Ms. Manisha Sharma elaborated on the topic 'Daily, Monthly and Seasonal Variation on Geomagnetically Induced Current (GIC) From Mantasla Station'. Next, Pratiksha Bhandari presented on 'Impact of Super Intense Geomagnetic Storms on Field-Aligned Current and Ring Current'.



Two Skype presentation based on Women Education in Physics were part of Session-II chaired by Prof. Dr. Aziz Fatima Hasnain. Prof. Adriana Predoi-Cross depicted on ‘Mentoring and Promoting Women in Physics’ and Ms. Arundhati Dasgupta illustrated on ‘Science is empowerment, but empowerment is not science: A critical look at gender and leadership in Physics’. A Kumari dance was performed reflecting our cultural heritage and the panel discussion took place from 14:10 to 14:50. During the panel discussion the panellists (professors from the different countries) cleared out the doubts and answered questions arising from participants.



Kumari dance performance



Memento presented

After the panel discussion awards were presented to best two oral speakers and two poster presenters by Guests- Prof. Dr. Kanhaiya Jha and Prof. Dr. Rameshwar Adhikari. Ms. Armin Anwar and Mr. Devendra Raj Upadhyay were awarded for the best two oral presentations category whereas Ms. Nikita Parajuli and Mr. Suresh Basnet were awarded for the best two poster presentation category. The program was formally ended on vote of thanks by Prof. Dr. Sanju Shrestha, by distributing certificates to all the participants and providing mementos to our distinguished guests.



A group photograph after conclusion of the conference

Achievements and outcome

Through this conference, young women were encouraged to pursue careers in physics. The conference has provided a platform for young women physicists to interact with eminent international women physicists and enabling them to increase their self-esteem. Besides, the conference promoted the idea having women physicists represented at all academic levels in Nepal. This will foster new collaborations, enable networking and peer monitoring in the days ahead. Through comparisons of the results obtained from data collected from other countries, we hopefully will be able to identify the reasons why the trend for the retention of women in Nepal is similar or dissimilar to that of other countries. From this analysis, we will certainly be able to take the imperative steps to improve the female participation in the field of Physics.

Future perspective and challenges

We have planned to organize more conferences, seminars and interaction exchange programs between students, researchers, teachers in Nepal and outside the country in the nearby future. It is a challenging task for us to continue this work further. We hope our government, several international and national organizations will also support us in the upcoming days, to enable us to reach our goals. With joint efforts, we will be able to achieve our target and will contribute to our country's economy.

Conclusion

We have successfully carried out the conference held during 27 to 29 March, 2019. We have learned a lot from this conference and have gathered a lot of ideas which can be implemented in future activities. The international and national delegates, organizing members, participants

and volunteers thoroughly enjoyed the program. They have shown a keen interest to support us for the overall development.

Recommendations prepared by the participants:

The conference concluded with dozens of recommendations to be advocated in the near future in order to achieve the conference objectives. The recommendations are:

1. Educate the physics community on issues relevant to women physicists in order to encourage a diverse and supportive work environment.
2. Create appropriate work environments for balancing family and the professional duties.
3. Encourage women to become physicists and contribute to the development of the country.
4. Policy implementation to improve the situation of isolated and marginalized groups of females.
5. Political commitment to enable more females to reach the policy decision making level, thus giving them opportunities for top jobs.
6. Allocation of sufficient funds for scholarships, incentives for research activities, enable organizing and participating in conferences.
7. Encourage all institutions for practical S& T education starting at the school level
8. There should be merit based (not on the basis of gender parity) representation of women in all delegations, committees and programmes.
9. Government agencies and international organisations should earmark scholarships for women in Physics and facilitate the mobility of women for wider exposure to scientific activities
10. Having women physicists become visiting professors at foreign universities should be encouraged and promoted as diversity is important for the success of the program
11. Institutional support is needed for professional development of women in physics careers through technical training courses, awareness and orientation courses, for flexible working hours and national/international mobility
12. Provide better exchange programmes for doctoral and post-doctoral programmes for female physicists.

Financial Reports

Interim Financial Report of Second Regional Conference of women in Physics (RCWIP-2019)					
March 27-29, 2019, Kathmandu, Nepal					
S. N	Particular	Amount (NPR)	S.N	Particular	Amount (NPR)
1	IUPAP, C13 , Commissions	892160.00	1	Stationery	120000.00
2	ICTP (Sm 19/02)	259140.00	2	Lunch, Dinner and Snacks	217099.00
3	Ministry of Ed., Sc. and Tech.(MoEST)*	100000.00	3	Hotel and Accommodations	410851.69
4	University Grants Commissions (UGC)*	150000.00	4	Travel grant and local convince cost	425001.00

5	Central Dept of Physics (CDP)*	25000.00	5	Cash prize for best presenters	6000.00
6	Lalitpur Valley College (LVC)	50000.00	6	Others(Bags, Souvenir, Web designer, Photo- graphics, sight visit and laptop)	526240.00
7	Trinity College	20000.00			
9	Registration Fee		7	Registration fee waiver for	
	National Delegates	162000.00		National Delegates	20000.00
	International Delegates	49500.00		International Delegates	165000.00
10	Deficit	182392.00			
	Total	1890192.00		Total	1890191.69

Note: *Receivables

Daily conference activities

DAY -1 (March 27,2019) Wednesday				
March 27, 2019		Inaugural Session		
8:30-09:30	Registration			
09:30 – 10:00	Guests to be seated			
10:00 – 11:00	Opening Session <ul style="list-style-type: none"> - Honouring Guests - Inauguration of the Conference by Igniting the lamp by Chief Guest - National Anthem - Welcome Address - Keynote/ Plenary Lecture - Inaugural Address by the chief guest - End of Inauguration session 			
11:00 – 11:30	Refreshments			
Session –I (Talks on Physics)				
11:30 – 12:00	Prof. Anisa Qamar	Magnetic Reconnection	Invited Talk	Session Chair: <i>Prof. Michael Steinitz (Canadian Journal of Physics, Canada)</i>
12:00 – 12:30	Prof. Farida Tahir	Neutrino Mass; Mystery, no more!	Invited Talk	
12:30-13:30	LUNCH BREAK			
Session –II (Talks on Women Education in Physics)				
13:30– 14:00	Prof. Shamima Choudhury	Gender Equality in Science and Engineering	Invited Talk	Session Chair:

14:00-14:30	Prof. Dina Izadi	Linking the Art with Science by ORIGA – SCIE as STEAM Education	Invited Talk	Prof. Geeta Acharya (Tribhuvan University, Nepal)
14:30 – 14:50	Dr. Gauri Shrestha	Women in Nepal: A Statist Approach	Contributed Talk	
14:50-15:00	Tea Break			
15:00-17:00	Hiking/ Sightseeing Program, End of Day-1 of RCWIP			

DAY -2(March 28,2019) Thursday

Session – I (Talks on Physics)

09:00 – 09:30	Prof. Setsuko Tajima	High Temperature Superconductivity and My Research Career	Invited Talk	Session Chair: <i>Prof Anisa Qamar</i> <i>(University of Peshawar, Pakistan)</i> Co-Chair: <i>Dr. Leela Pradhan Joshi</i> <i>(Tribhuvan University, Nepal)</i>
09:30– 10:00	Dr.Sethulakshmi Narayanan	Multifunctional Application Potentials of Manganite	Invited Talk	
10:00 – 10:30	Prof. Asghari Maqsood	Fabrication, Structural, Magnetic and Electrical Properties of (Co-Zn) Fe ₂ O ₄ Spinel Ferrite Nanoparticles	Invited Talk	
10:30-11:00	Prof. Tamanna Afroze	Dielectric Properties of Plasma Polymerized 2-(Diethylamino) Ethyl Methacrylate Thin Films	Invited Talk	
11:00-11:15	Refreshment			
11:15-11:35	Ms. Iffat Nur Esha	Study the Influence of Eu ³⁺ on the Magnetic, Dielectric and Resistive Properties of Ni _{0.4} Zn _{0.45} Cu _{0.15} Fe _(2-x) Eu _x O ₄ Ferrites Synthesized by Standard Solid State Reaction Method	Participant	Session Chair: <i>Prof. Deepak Subedi</i> <i>(Kathmandu University, Nepal)</i> Co-chair: <i>Dr. Sanju Shrestha</i> <i>(Tribhuvan University, Nepal)</i>
11:35-11:55	Ms. Armin Anwar	Enhanced ferroelectricity and ferromagnetism in Sm and Ti co-doped BiFeO ₃ nanoparticles compared to their bulk counterparts	Participant	
11:55-12:15	Dr. Leela Pradhan Joshi	Preparation of Mn Doped ZnO Films for Ethanol Vapor Detection	Speaker	
12:15-12:35	Ms. Usha Joshi	Estimation of Global Solar Radiation using Different Models at Mid Hill Region Pokhara, Nepal	Research Scholar	
12:35-12:55	Mr. Prakash Man Shrestha	Impact of Linked Turbidity on Solar Radiation in Pokhara	Research Scholar	
12:55-13:55	LUNCH BREAK			

Session –II (Talks on Women Education in Physics)

13:55– 14:25	Prof. Aziz Fatima Hasnain	The role of Physics Education in Women Development: A case in Pakistan	Invited Talk	Session Chair: <i>Prof. Shamima Choudhury</i> <i>(University of Dhaka Bangladesh)</i>
14:25 – 14:55	Prof. Asghari Maqsood	Role of Women in Physics Teaching	Invited Talk	

14:55-15:15	Ms. Neeru Shrestha	Status of Women Physicists in Nepal	Research Scholar	
15:15-16:00	Tea Break/End of Day-2 Program			

DAY-3(March 29,2019) Friday

Session – I (Talks on Physics)

09:00 -09:20	Mr.Devendra Raj Upadhyay	Investigation of physical properties of dust structure around NGC1514 Nebula in Infrared Astronomical Satellite Map	Research Scholar	Session Chair: <i>Prof.RajuKhanal</i> <i>(Tribhuvan University, Nepal)</i>
09:20-09:40	Ms. Anita Mishra	Estimation of Background Radiation in the Premises of Tribhuvan University, Kiritpur, Nepal by In-Situ Gamma-Ray Spectrometry	Research Scholar	
09:40- 10:00	Ms.SeemaKarna	Time period for the precession of the Earth's aphelion in 3-D numerical	Participant	
10:00-10:30	Prof. Michael Steinitz	The Mechanics of Scientific Publishing, Peer Review, and Ethics in Publishing	Guest Speaker	Session Chair: <i>Prof.KedarLal Shrestha,</i> <i>(Tribhuvan University, Nepal)</i>
10:30-10:50	Dr.Sanju Shrestha	Resonant Tunnelling in Triple Well	Speaker	
10:50-11:20	Prof. Michael Steinitz	International year of Basic Sciences for development	Guest Speaker	

11:20-11:35 Refreshment- Parallel Session

11:20-12:20- Poster Presentations and Evaluation

Oral Presentations (By Participants) - Auditorium Hall

11:35-11:50	Ms.Ambika Pandey	Study on the Influence of Direct Current Field on Dispersion of Activated Carbon	Session Chair: <i>Prof. Setsuko Tajima</i> <i>(Osaka University, Japan)</i>
11:50-12:05	Ms.Manisha Sharma	Daily, Monthly and Seasonal Variation On Geomagnetically Induced Current (GIC) From Mantasla Station	
12:05-12:20	Ms.Pratiksha Bhandari	Impact of super intense geomagnetic storms on field-aligned current and ring current	

12:20-13:20 LUNCH BREAK

Session –II (Talks on Women Education in Physics) Skype Presenters

13:20 -13:45	Prof. Adriana Predoi-Cross	Mentoring and Promoting Women in Physics	Contributed Talk	Session Chair: <i>Prof. Aziz Fatim Hasnain</i> <i>(Centre for Physic Education, Karachi)</i>
13:45- 14:10	Dr. Arundhati Dasgupta	Science is empowerment, but empowerment is not science: A critical look at gender and leadership in Physics	Contributed Talks	

14:10-14:50	Panel Discussion (4-6 members will be present)
14:50-15:30	Award and Closing ceremony (Vote of Thanks)/End of Program

Feedback from the participants

Both the international delegates and the local participants have appreciated the efforts for organizing the conference. They were pleased to have the opportunity to jointly discuss physics related topics or topics related to the status of women in physics. Everyone thoroughly enjoyed this conference for the entire 3 days duration. They bided goodbyes hoping to meet at similar future events.

‘Token of love’ was presented to the Speakers



Token of love to Prof. Dr. Michael Steinitz
by Dr. Leela Pradhan Joshi

Token of love to Dr. Dina Izadi
by Prof. Geeta Archrya

Panel Discussion

The panel discussion was over with the following conclusion:

- Funding is needed to provide opportunities to young students and researchers.
- Starting research activities during the undergraduate studies fosters the development of research skills.
- Having high quality physics teachers starting from the primary level, ultimately encourages both the students and graduates.
- Teaching school level students how to conduct research will help them later on, when they will conduct their own research.
- Physics helps to develop the country’s infrastructure; it’s the backbone of every science which ultimately promotes the economy.
- At the end of the talk of Prof. Shamima, she was glad to note that the gender balance of the delegates and participants was the best things about this conference.

