23rd International Conference of International Academy of Physical Sciences

(CONIAPS XXIII)

Advances in Physical Science to Achieve Sustainable Development Goals

November 16-18, 2018

Hotel Yellow Pogoda
Jamal, Kathmandu, Nepal

PROGRAMME

Organized by

Nepal Academy of Science and Technology (NAST), Khumaltar, Lalitpur, Nepal
23rd International Conference of International Academy of Physical Sciences  
(CONIAPS XXIII) 
Advances in Physical Science to Achieve Sustainable Development Goals 

November 16-18, 2018 

Inaugural Programme  
[November 16, 2018] 

9 : 30 – 10 : 00  
Registration

November 16, 2018  
Session 1  
Mathematics  
Room : Shashikala Hall

Chair Person: Prof. Dr. S.K. Mishra

10 : 00 – 10 : 20  
A Poroeelastic-Thermoelastic Half-spaces Model to Study Quasi-static Deformation Due to Seismic and Heat Sources. 

– Anil K. Vashisth  
MATH-6

10 : 20 – 10 : 35  
Mathematical form of In-vivo Experimental Pressure Gradient Profiles for Pulsatile Flow of Blood in a Human CVS  

- Anand Bansal, P. R. Sharma and P. Chaturani  
MATH-25

10 : 35 – 10 : 50  
Estimation of Stress-Strength Reliability based on Skew Logistic Distribution  

– Jaya Gupta, Mridula Garg and Chandarmohan Singh  
MATH-27

10 : 50 – 11 : 05  
Mixed Convection Flow of a Viscoelastic Fluid through a Vertical Porous Channel Influenced by a Moving Magnetic Field with Hall and Ion-Slip Currents, Rotation, Heat Radiation and Chemical Reaction  

MATH-28

11 : 05 – 11 : 20  
Hydromagnetic Mixed Convection Flow Through Horizontal Channel : Analysis with Viscous Dissipation, Joule Heating, Variable Viscosity and Thermal Conductivity  

– J. S. Rajput, V. Upadhyay and P. N. Pandey

11 : 20 – 11 : 40  
Tea Break

Session 1  
Physics  
Room : Ganesh Hall

Chair Person: Prof. Dr. Bhadra Pokharel

10 : 00 – 10 : 20  
Anti-ferroelectric Liquid Crystalline Materials of Mixed R-S Enantiomers for high Definition Display Application  

– Ravindra Dhar, Rohit Verma, and R. Dabrowski  
PHY-4

10 : 20 – 10 : 35  
Study of Thermodynamical and Electro-optical Properties of Gold Nanoparticles (GNP) Doped Triphenylene Discotic Liquid Crystal (DLC)  

– Akanksha Khare and Ravindra Dhar
10:35 – 10:50 Investigations on Mxene as Topological Insulator

Deependra Parajuli and K. Samatha

10:50 – 11:05 Ferroelectric Relaxor Behaviour and Dielectric Relaxation in Sr$_{1-x}$Ba$_x$Nb$_2$O$_6$ (x= .25, .50) – A Lead-Free Relaxor Material

K.N. Singh and P.K. Bajpai

11:05 – 11:20 Effect of Size of Silver Nanoparticles on Physical Properties of Room Temperature Nematic Liquid Crystalline Material

Pratibha Tripathi, Mukesh Mishra, Roman Dabrowski and Ravindra Dhar

11:20 – 11:40 Tea Break

Session 1
Mathematics
Room: Buddha Hall

Chair Person: Prof. Dr. Bhadra M Tuladhar

IT-17

10:00 – 10:20 Peristaltic Transport of Herschel-Bulkley Fluids in Tubes of Variable CrossSection Induced by Dilating Peristaltic Waves: Application to Sliding Hiatus Hernia

Sanjay Kumar Pandey and Amirlal Singh

10:20 – 10:35 Electromagnetic Wave Propagation through Triangular Antenna Subject to Longitudinal Symmetric Conditions

Sanjay Kumar

10:35 – 10:50 DC_ratio and Laplace Distribution Based Intuitionistic Fuzzy Rough Attribute Selection

Shivani Singh, Shivam Shreevastava, Anoop Tiwari and Tanmoy Som

10:50 – 11:05 Ricci Solitons on Kenmotsu Manifold

Devendra Kandu, Sushil Shukla and Shikha Tiwari

11:05 – 11:20 Love Wave Propagation in Functionally Graded Porous Piezoelectric Material Layer

Anil K. Vashisth and Umang Bareja

11:20 – 11:40 Tea Break

Session 1
Chemistry
Room: Machehhapuchre Hall

Chair Person: Prof. Dr. Brijesh Kumar

IT-2

10:00 – 10:20 Effects of Electrolyte on the Polymerization of Aniline onto Mild Steel

Amar Prasad Yadav, Nim Bahadur Devkota, Shova Neupane and Dipak Kumar Gupta

CHEM-2

10:20 – 10:35 Mahua Oil Polyesteramides as a Precursor for the Development of Wood Protective Polyurethane Coatings: A Renewable Approach

Ashish J. Raychura, Smita Jauhari and Bharat kumar Z. Dholakiya

CHEM-4

10:35 – 10:50 Corrosion Monitoring of Mild Steel in Acid Media

Abha Goyal

CHEM-10

10:50 – 11:05 Study of Extract of *Equisetum* as Green Corrosion Inhibitor in Acidic Media in Mild Steel of Nepal

Nabin Karki, Yogesh Chaudhary and Amar Prasad Yadav

CHEM-17

11:05 – 11:20 Effects of Electrolytes on the Polymerization of Aniline and Its Deposition on to Mild Steel

Dipak Kumar Gupta, Sanjay Singh, Nim Bahadur Devkota and Amar Prasad Yadav

11:20 – 11:40 Tea Break
Session 1
Biological Sciences
Room: Dhaulagiri Hall

Chair Person: Dr. Mukunda Ranjit

10:00 – 10:20 Immuno-molecular Study of Cutaneous Leishmaniasis: An Alarming and Emerging Disease of Nepal
– Srijan Shrestha, Sabita Prajapati, Anup Bastola, Mitesh Shrestha, Jivan Shakya, Mallorie Hide, Pragya Gautam Ghimire, Mahesh Lamsal, Ramanuj Rauniyar and Krishna Das Manandhar

10:20 – 10:35 Protein Fold Recognition by a Hybrid Random Forest Based Support Vector Machine Approach: RF-SVM
– Vijay Tripathi and Pooja Tripathi

10:35 – 10:50 Bioethanol Production from Saccharum spontaneum in Microbial Electrochemical Cell
– Jarina Joshi, Lakshmaiah Sreerama and Tribikram Bhattarai

10:50 – 11:05 Molecular Detection of Kala-azar Cases in Blood Samples Collected from Program and Non-program Districts of Nepal
– Mitesh Shrestha, Jyoti Maharjan, Prakash Nidhi Tiwari, Krishna Das Manandhar, Basu Dev Pandey, Sher Bahadur Pun and Kishor Pandey

11:05 – 11:20 Propagation and Translocation of Calcium Ions Revealed Dual Control over the Stabilization and Activity of S100A1 Protein: Molecular Dynamics Study
– Navaneet Chaturvedi and Abha Mishra

11:20 – 11:40 Tea Break

Session 1
Information and Computer Technology
Room: Annapurna Hall

Chair Person: Dr. Rishi Shah

10:00 – 10:20 From Euclid’s Fifth Postulate to Fifth Generation Computers: A Story of Zeal for Intellectual Perfection
– Manohar Lal (Kaushik)

10:20 – 10:35 IoT Based Service Models for Smart Cities
– Ashutosh Mishra, Smrdhi Singh and Praveen Mishra

10:35 – 10:50 Data Mining Techniques in Software Engineering
– Paritosh Tripathi, Shambhavi Shukla and Vineet Kumar Singh

10:50 – 11:05 A Challenge for Mobile Cloud Computing on Wireless Heterogeneous Network
– Parimal Tiwari, Ravi Malviya and Sanjeet Pandey

11:05 – 11:20 A Brief Study on Operating System
– Ravi Malviya, Paritosh Tripathi and Ramesh Mishra

11:20 – 11:40 Tea Break
Session 2
Mathematics
Room: Shashikala Hall

Chair Person: Prof. Sharada Shrestha

11:40 – 12:00  Nonlinear Physical Analysis of Kinesiology for Musculoskeletal Activities
               – Rashmi Bhardwaj

12:00 – 12:15  Characterizations of Certain Hankel Transform Involving Riemann-Liouville Fractional Derivatives
               – S.K. Upadhyay and Komal Khatterwani

12:15 – 12:30  Lightlike Hypersurfaces of Semi-Riemannian Manifolds Admitting a Semi-symmetric Non-metric Connection
               – Manish Gogna

12:30 – 12:45  Effect of Magnetic Field on the Flow of a Dusty Fluid in an Inclined Parallel Plate Vertical Channel
               – Monika Srivastava and Rajeev Khar

12:45 – 1:00   A Study of DPL Model using Finite Element Legendre Wavelet Galerkin Method
               – Mukesh Kumar

1:00 – 2:00    Lunch Break

Session 2
Physics
Room: Ganesh Hall

Chair Person: Prof. Dr. Narayan P Adhikari

11:40 – 12:00  Dielectric Relaxation in Perovskite Based Ferroelectric Relaxors: Current Status and Future Prospects
               – P.K. Bajpai

12:00 – 12:15  Study of Ion Treated Zno Thin Films using Fractal Approach
               – R. P. Yadav and Vishalakshi Singh

12:15 – 12:30  Lattice Dynamical Properties of InP, InAs and their Ternary Alloy InP<sub>1-x</sub>As<sub>x</sub>
               – A.K. Kushwaha, A.C. Yadav and M.K. Vishwakarma

12:30 – 12:45  Enhancement in Orientational Order of Nematic Liquid Crystals Dispersed with Multi-Walled Carbon Nanotubes
               – Deepa Singh, Upendra Bahadur Singh and Manoj Bhushan Pandey and Ravindra Dhar

12:45 – 1:00   Thermodynamical and UV-Visible study of a Room Temperature Discotic Liquid Crystal Doped with Ferroelectric Nanoparticles
               – Rahul Uttam and Ravindra Dhar

1:00 – 2:00    Lunch Break

Session 2
Mathematics
Room: Buddha Hall

Chair Person: Prof. Dr. Ganga Shrestha

11:40 – 12:00  On Generalized Ricci Recurrent Spacetimes
               – Uday Chand De
Session 1
Mathematics
Room: Machapuchre Hall
Chair Person: Prof. Dr. Kamalesh Kr. Lal Karn

12:00 – 12:15 Fuzzy Topological Space: Generalizing the Notions of General Topology in a Fuzzy Set
– Kamalesh Kr. Lal Karn

12:15 – 12:30 Some Recent Progress in Hybrid Dynamical Systems
– Lakshmi Narayan Mishra, Vandana and Deepmala

12:30 – 12:45 On Spherically Symmetric Landesberg Metrics
– Manoj Kumar

12:45 – 1:00 Some Geometric Properties on h-exponential Change of Finsler Metric
– M. K. Gupta

1:00 – 2:00 Lunch Break

Session 2
Chemistry
Room: Machapuchre Hall
Chair Person: Prof. Dr. Mangala Devi Manandhar

11:40 – 12:00 LC-MS/MS Techniques to do Phytochemical Investigations
– Brijesh Kumar

12:00 – 12:20 Anticancer activity of 3-hydroxy-2-formylpyridine N(4)-substituted thiosemicarbazones and their Zn(II) complexes in prostate cancer
– Prabina Pokhrel, Krishna Bahadur Bik, Ram Sundar Thapa, Nerina Shahi, Yuba Raj Pokharel & Paras Nath Yadav

12:20 – 12:35 Simultaneous Identification and Quantitation of Selected Cannabinoids in Male and Female Plants of Cannabis sativa using LC-MS Techniques
– Vikas Bajpai and Brijesh Kumar

12:35 – 12:50 Synthesis of Anticancer Study of Inclusion Tetrafluoroethylene with Cis-platin
– Budhdeo Gautam

1:00 – 2:00 Lunch Break

Session 2
Biological Sciences
Room: Dhaulagiri Hall
Chair Person: Prof. Dr. Anjana Singh

11:40 – 12:00 Abiotic Stresses and Mechanism of Tolerance in Plant
– Tribikram Bhattacharai

12:00 – 12:15 Seasonal Variation and Spatial Differences to the Milk Production Performance in Gandaki River Basin (GRB)
– Mohan Prasad Sharma

12:15 – 12:30 Toxicity Analysis of Medicinal Plants Commonly used in Indian Regions: A Review
– Vishal Yadav, Devendra Singh and Virendra Singh

12:30 – 12:45 Screening of Aqueous Herbal Extract for their Antimicrobial Activity Against Some Dysentery Causing Microbes
– Devendra Singh, Virendra Singh, Saud Masood Siddiqui and Vishnu Agarwal

12:45 – 1:00 Prevalence and Risk Factors Associated with Occurrence of Blood Parasites of Cattle of Ramgram Municipality, Nawalparasi District, Nepal
– Ganga Phuyal and Mahendra Maharjan

1:00 – 2:00 Lunch Break
Session 2
Information and Computer Technology
Room: Annapurna Hall

Chair Person: Prof. Dr. Binil Aryal

11:40 – 12:00 Deep Learning: The Concept and Applications
Aparajita Ojha
IT-4

12:00 – 12:20 A Scientific Approach to Music Therapy
D. K. Bhattacharya
IT-4

Ramesh Mishra, Sanjeet Pandey and Parimal Tiwari
ICT-8

12:35 – 12:50 Identifying Potential Biomarker in the Different Gynecological Cancer Using Differential Co-expression Analysis
Rinki Singh and Anup Som
ICT-9

12:50 – 1:05 Mobile Hybrid Cloud Computing: Current Issues and its Solutions
Sanjeet Pandey, Ramesh Mishra and Ravi Malviya

1:00 – 2:00 Lunch Break

Plenary Lecture
Session Chair: Dr. Buddhi Ratna Khadge

2:00 – 2:30 Role of S & T in Achieving SDGs in Nepal
Usha Jha
Hon’ble Member, National Planning Commission

2:30 – 3:00 Rejuvenation of Science Education
Avinash C Pandey
Director, IUAC
New Delhi

3:00 – 4:30 Welcome Address
Highlights of the Conference
Remarks
Remarks
Remarks
Remarks
Address by Chief Guest
Closing Remarks and Vote of Thanks

4:30 – 5:00 Refreshment
November 17, 2018

Plenary Lecture

9 : 30 – 10 : 00  Indispensability of STI for attaining the SDGs in Nepal
                 Prof. Dr. Jiba Raj Pokharel
                 Academician, NAST

Session 3
Mathematics
Room : Shashikala Hall

Chair Person: Prof. Dr. D. K. Bhattacharya

10 : 00 – 10 : 20  Decomposability of Projective Curvature Tensor in Projectively Recurrent Finsler Space
                  – C.K. Mishra
                  MATH-2

10 : 20 – 10 : 35  On Some Contraction Conditions in Probabilistic Metric Space
                  – Ajay Kumar Chaudhary
                  MATH-35

10 : 35 – 10 : 50  Science Students’ Belief: Effects on Mathematics Learning
                  – Kaji Prasad Ghimire
                  MATH-47

10 : 50 – 11 : 05  Transient Analysis of a Finite Capacity Two-heterogeneous Servers Queue with Impatient Behavior
                  – Parmeshor Rijal and Ram Prasad Ghimire
                  MATH-59

11 : 05 – 11 : 20  Multi-Server Queue with Essential Two Phase Repair under Multiple Exponential Working Vacation
                  – Richa Sharma

11 : 20 – 11 : 40  Tea Break

Session 3
Physics
Room : Ganesh Hall

Chair Person: Prof. Dr. Raju Khanal

10 : 00 – 10 : 20  Non-thermal Plasma and Its Applications
                  – D.P. Subedi, H. Baniya, R. Guragain and G. Panta
                  PHY-9

10 : 20 – 10 : 35  Effect of Low Temperature on Ammonia Based Gas Sensor
                  – Gyanendra Prakash Shukla, C.K. Pandey, Manisha Bajpai, Mukesh Chandra Bhatnagar and Ravindra dhar
                  PHY-22

10 : 35 – 10 : 50  Generation and Characterization of Atmospheric Pressure Plasma Jet (APPJ) and its Application for Polymer Surface Modification
                  – H. B. Baniya, R P. Guragain, S. Dhungana, G. Qin and D. P. Subedi
                  PHY-8

10 : 50 – 11 : 05  Variation in Solar Wind Velocity under Super Intense Geomagnetic Storms
                  – Drabindra Pandit, Narayan Prasad Chapagain and Binod Adhikari
                  PHY-34

11 : 05 – 11 : 20  Dielectric and Display Parameters of Liquid Crystalline material Dispersed with SWCNTs under Bias Electric Field
                  – Upendra Bahadur Singh, Deepa Singh, Manoj Bhushan Pandey and Ravindra Dhar

11 : 20 – 11 : 40  Tea Break

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Session 3  
Mathematics  
Room: Buddha Hall  

Chair Person: Prof. Dr. H.S. Dhami

10:00–10:20 Stem Cell Cancer, Non-stem Cell Cancer and Non-stem Cell Cancer Acquiring Stem Cell Properties: A Mathematical Model for Cancer
-- S.K. Mishra  
MATH-60

10:20 – 10:35 Mathematical Study of Two Phase Hepatic Blood Flow Through Arterioles with the Special Reference of Jaundice
-- Rizwan Ahmad Khan, A.K.Agrawal and V. Upadhyay
MATH-66

10:35 – 10:50 Tension Spline Method for Two Point Second Order Singularly Perturbed Boundary Value Problem
-- Shailendra Kumar and Prakash C. Srivastava
MATH-70

10:50 – 11:05 Thermoelastic Behaviour in a Multilayer Composite Hollow Sphere with Heat Source
-- S P Pawar
MATH-91

11:05 – 11:20 Plane Symmetric Cosmological Model in f (R, T) Theory of Gravity with Λ(T)
-- Sushil Kumar

11:20 – 11:40 Tea Break

Session 3  
Chemistry  
Room: Machhapuchre Hall

Chair Person: Dr. Gan B. Bajracharya

10:00 – 10:20 Diarylether Analogous: Design, Synthesis as well as Antimicrobial and AntipROTOzoal Activity Studies
-- Navin. B. Patel
CHEM-15

-- Vatsal M. Patel
CHEM-16

10:35 – 10:50 Kinetics and Mechanism of Oxidation of Ampicillin by Diperiodatocuprate and Cobalt (iii) Chloride Catalyst in Alkaline Medium
-- Y R Sahu, N K Chaudhary, A Bhattarai and P Mishra
CHEM-13

10:50 – 11:05 Bio-coordination and Computational Modeling of 4d-transition Metal Complexes with Tetracyclines and Salicylaldehyde Mixed Ligand: Synthesis, Spectroscopic Characterization, and Biological Studies
CHEM-3

11:05 – 11:20 Spectroscopic Studies of Distorted Octahedral Complexes of Cobalt, Nickel and Copper and their Antimicrobial Properties
-- Abhay Kumar, Veena Kumari, Vijay Kumar and Shankar Kumar

11:20 – 11:40 Tea Break
Session 3
Biological Sciences
Room : Dhaulagiri Hall

Chair Person: Prof. Dr. Tribikram Bhattarai

10 : 00 – 10 : 20 Paradigm of Astro-Bio-Chemistry: Life Essentials for Sustainable Development Goal
   – Jai Prakash Chaturvedi and Dr. Mayuri Chaturvedi
   BIO-10

10 : 20 – 10 : 35 Presence of Gastrointestinal Parasites in the Stool of Bats in Shaktikhor Area, Chitwan, Nepal
   – Adhikari R, Maharjan M and Ghimire TR
   BIO-12

10 : 35 – 10 : 50 Abundance, Distribution, and Effects of the Ticks in the Cattle of the Bhimdattanagar Municipality, Kanchanpur, Nepal
   – Tirth Raj Ghimire, Sabita Airee and Anita Bhattarai
   ENV-7

10 : 50 – 11 : 05 Differential Expression Analysis of Very Important Pharmacogenes in the Chronic Liver Disease
   – Anamika and Pramod Katara

11 : 05 – 11 : 20 Comparative Expression Profiling of Escherichia coli and Staphylococcus aureus Inoculated in Mammary Gland and Characterize their Pathogenic and Associated Genes for Bovine Mastitis
   – Shraddha Vishwakarma and Pramod Katara

11 : 20 – 11 : 40 Tea Break

Session 3
Information and Computer Technology
Room : Annapurna Hall

Chair Person: Prof. Dr. Rabin德拉 Bista

10 : 00 – 10 : 20 Blockchain - Trust on Technology
   – Himanshu Dhimi
   ICT-27

   ICT-12

10 : 35 – 10 : 50 A New Fuzzy Model for CPU Scheduling
   – Vandana and Mukesh Kumar Sharma
   ICT-14

10 : 50 – 11 : 05 Metro-tomography and Applications in Bio-medical Engineering
   – Shambhavi Mudra Shukla
   ICT-2

11 : 05 – 11 : 20 Reliability Analysis for Machining System under Working Vacations and Standby
   – Gireesh Kumar

11 : 20 – 11 : 40 Tea Break

November 17, 2018
Session 4
Mathematics
Room : Shashikala Hall

Chair Person: Prof. Dr. Ram M Shrestha

11:40–12:00 Mathematical Sciences
   – Kedar Nath Uprety
Session 4
Mathematics
Room : Buddha Hall

Chair Person: Prof. Dr. S.K. Mishra

11 : 40 – 12 : 00  On Cohomology of Lie Algebra Bundles
– B. S. Kiranagi
MATH-15

12 : 00 – 12 : 15  Fixed Point Theorems of α-rational Contractive Mappings on Rectangular b-metric Spaces
– Khomdram Bulbul Singh and Yumnam Rohen
MATH-19

12 : 15 – 12 : 30  A Study of First Birth Interval With Reference to Kerala (India)
– C. B Gupta
MATH-19

12 : 30 – 12 : 45  On Projectively Flat Special (α, β)-metric
– Ganga Prasad Yadav and P. N. Pandey
MATH-24

Lunch Break

Session 4
Physics
Room : Ganesh Hall

Chair Person: Prof. Dr. Dependra Das Mulmi

11 : 40 – 12 : 00  Fractional Order Thermal Stresses in a Thin Annular Disk with Heat Source- A Classical Approach
– K. C. Deshmukh
PHY-1

12 : 00 – 12 : 15  Lattice Dynamical Properties of Mixed Superionic Conductor Pb,Cd,1/2,F 2
– A.C Yadav and A.K. Kushwaha
PHY-24

12 : 15 – 12 : 30  Modelling and Simulation of Claus Furnace for Sulphur Recovery
– Jigyasa Kumar, Prof. A.C. Pandey and Dr. Vikas Baranwal
PHY-25

12 : 30 – 12 : 45  Magnetohydrodynamic Heat and Mass Transfer Flow Past an Accelerated Plate
– N. P. Singh,V.Uupadhyay, and Khilanand Gupta
PHY-25

12 : 45 – 1 : 00  Ferroelectric Relaxor Behaviour and Dielectric Relaxation in Sr,Ba,1/2,Nb,2/6 (x=.25, .50) A lead- free relaxor material.
– K.N. Singh and P.K. Bajpai

Lunch Break
12 : 45 – 1 : 00 Solution of Generalized Fractional Kinetic Equations in Terms of Generalized M-series and Wiman's Functions
   – Garima Agarwal and Kottakkaran Soopy Nisar
1 : 00 – 2 : 00 Lunch Break

Session 4
Chemistry
Room : Machhapuchre Hall

Chair Person: Dr. Kanti Shrestha

11 : 40 – 12 : 00 Mahua Oil as a Potentially Renewable Resource for the Synthesis of Wood Protective Polyurethane
   – Bharatkumar Z. Dholakiya
   CHEM-1
12 : 00 – 12 : 15 Structural Aspects of Mixed Ligand Complexes of Ni(II) Metal Chelates of Organic Acids with Propylenediamine
   – Asha Kumari and H.P. Yadav
   CHEM-12
   – Mridula Tripathi and Priyanka Chawla
   CHEM-19
12 : 30 – 12 : 45 Thermodynamic and Interaction Studies of Binary Liquid Mixtures on the Basis of Flory's Statistical Theory and Empirical Relations
   – Sunil Shukla
   CHEM-7
12 : 45 – 1 : 00 Separation of Isopropanol-Water System by Extractive Distillation
   – Dipika and Ram Prasad
1 : 00 – 2 : 00 Lunch Break

Session 4
Mathematics
Room : Dhaulagiri Hall

Chair Person: Prof. Dr. Bikash Raj Satyal

11:40–12:00 The Characterizations of Gelfand and Shilov type spaces
   – S.K.Upadhyay
   MATH-51
12 : 00 – 12 : 15 On δ-Extension of a Tight Function in Quantum Logic
   – Mona Khare and Pratibha Pandey
   MATH-52
12 : 15 – 12 : 30 Two-Fluid Cosmological Model with Scalar-Tensor Theory of Gravitation in (2+1)-Dimensional Spacetime
   – Praveen Kumar, G S Khadekar and V.J. Dagwal
   MATH-57
12 : 30 – 12 : 45 A Study on NL DPL Model of Heat Transfer in a bi-layer Tissue During MFH Treatment
   – Rajneesh Kumar, Anil K. Vashisht and Suniti Ghangas
   MATH-58
12 : 45 – 1 : 00 Interaction of Electrostatic Ion Cyclotron Wave with Electrostatic Drift Wave Turbulence in Space Plasma
   – Ratul Kumar Sarma and P. N. Deka
1 : 00 – 2 : 00 Lunch Break
Session 4
Environment and Earth Science
Room: Annapurna Hall

Chair Person: Dr. Dinesh Raj Bhuju

11:40 – 12:00  Mineral Resources in Nepal: Geological Control, Present Status, Opportunities and Challenges  
Kabi Raj Paudyal and Ram Bahadur Sah  
ENV-5

12:00 – 12:15  Effect of Changing Climate on the Rice Production over the Allahabad Region of Indo-Gangetic Plains  
Neelam Shukla and Suneet Dwivedi  
ENV-6

12:15 – 12:30  Attenuation of Coda Waves in the Northeast Himalayas, India  
Priyamvada Singh and Sushil Kumar  
ENV-8

12:30 – 12:45  A Review on Groundwater Investigations using Remote Sensing in India  
Hasnat Mariya and Singh Priyamvada  
BIO-11

12:45 – 1:00  Why Soil Parasites in the Habitat of the Chinese Pangolin (*Manis pentadactyla*) Matter?: A Study in Taudolchaap Community Forest, Bhaktapur, Nepal  
Sonisha Prajapati, Dikpal Krishna Karmacharya and Tirth Raj Ghimire

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Session 5
Mathematics
Room: Shaashikala Hall

Chair Person: Assoc. Prof. Ram Prasad Ghimire

2:00 – 2:20  New Geometric Invariants of Gauge Structures. Applications to Isometric Embeddings of Flat Cylinders  
Michel Nguiffo Boyom  
MATH-13

2:20 – 2:35  Micropolar Fluid Over a Continuously Moving Stretching Surface with Influence of Temperature Dependent Viscosity and Thermal Conductivity  
B. Borgohain and M Buragohain  
MATH-14

2:35 – 2:50  On Semi-infinite Mathematical Programming Problems with Equilibrium Constraints using Generalized Invexity  
Bhuwan Chandra Joshi  
MATH-17

2:50 – 3:05  A Mathematical Investigation of Two Layered Human Pulmonary Blood Flow in Artery by Non Newtonian Power Law Model  
Dheerendra Kumar, V. Upadhyay, Surya Kant Chaturvedi and P. N. Pandey  
MATH-18

3:05 – 3:20  The Outline of Changing Social & Demographic Patterns of India: A Comparative Study  
Shruti

3:20 – 3:40  Tea Break
Session 5  
Physics  
Room : Ganesh Hall

Chair Person: Dr. Buddha Ram Shah

2:00 – 2:20  Modulation of Heavy Nucleus Acoustic Wave in a Degenerate Relativistic Plasma  
– A. Paul, G. Mandal and M. R. Amin  
– PHY-37

2:20 – 2:35  Wettability Effect on Fractal Rippled Silicon Surfaces Tailored by Ion Beam Irradiation  
– R. P. Yadav  

2:35 – 2:50  Water Treatment by Ozone Generated in Cylindrical Dielectric Barrier Discharge at Atmospheric Pressure  
– Gobinda Prasad Panta and Deepak Prasad Subedi  

2:50 – 3:05  Experimental Study of Atmospheric Pressure Dielectric Barrier Discharge for Ozone Generation  

3:05 – 3:20  Study of Ozone Generated in an Atmospheric Pressure Co-axial Dielectric Barrier Discharge (APDBD)  

3:20 – 3:40  Tea Break

Session 5  
Mathematics  
Room : Buddha Hall

Chair Person: Prof. Dr. Kanhaiya Jha

2:00 – 2:20  Fuzzy Logic: A journey from \{0,1\} to [0,1]  
– Sanjeev Kumar  
– MATH-56

2:20 – 2:35  Numerical Differentiation using Algebraic Division  
– Rajendra Pandey  
– MATH-67

2:35 – 2:50  Partial Nondegerate Finsler Spaces with the Metric \((\alpha+\beta,\gamma)\)  
– Shivalika Saxena and P.N. Pandey  
– MATH-69

2:50 – 3:05  Some Aspect of Five-Dimensional Berwald Space Equipped with H-Connection Vector  
– S K Tiwari  
– MATH-72

3:05 – 3:20  Projectively Flat Special \((\alpha, \beta)\)-Metric  
– Sunil Kumar and Sandeep Kumar

3:20 – 3:40  Tea Break
Session 5
Chemistry
Room: Machchhapuchre Hall

Chair Person: Prof. Dr. Nabin B Patel

2:00 – 2:20  Traditional and Novel Metal Based Nanomaterials for Biomedical Applications
– Rameshwar Adhikari
CHEM-8

2:20 – 2:35  Synthesis of Oligosaccharide Unit from Fruiting Bodies of Agaricus Bispurus with Immense Biological Activities
– Divya Mishra and Naveen K. Khare
CHEM-5

2:35 – 2:50  Solution Properties and Comparative Antimicrobial Efficacy Study of Different Brands of Toothpaste of Nepal
– N. K. Chaudhary, B. Guragain and A. Bhattarai
CHEM-9

2:50 – 3:05  QSAR Study of the Antioxidant Activity of Flavonoids
– Hemlata Shukla and S.B. Singh
CHEM-20

3:05 – 3:20  Binary Nanofluid Convection: MHD Effects
– Urvashi Gupta, and Jyoti Sharma

3:20 – 3:40  Tea Break

Session 5
Mathematics
Room: Dhaulagiri Hall

Chair Person: Prof. Dr. Uday Chandra De

2:00 – 2:20  Conformal $\beta$-Change of Finsler Metric
– H. S. Shukla
MATH-45

2:20 – 2:35  Fixed Points of Generalized Rational $\alpha$-$\psi$ –Geraghaty Contraction for Multivalued Mappings
– N. Priyobarta and Yumnam Rohen
MATH-48

2:35 – 2:50  Fully Fuzzy Multi-objective Linear Fractional Programming Problem
– Rubi Arya and Pitam Singh
MATH-50

2:50 – 3:05  Hahn-Banach Extension Theorem in Eigen Space and using it for Personal Identification
– P.N. Pandey and Prakash Chandra Srivastava
MATH-54

3:05 – 3:20  On Spherically Symmetric Finsler Metrics with Special Curvature Properties
– Ranadip Gangopadhyay

3:20 – 3:40  Tea Break

Session 5
Environment and Earth Sciences
Room: Annapurna Hall

Chair Person: Dr. Sunil Babu Shrestha

2:00 – 2:20  Recent Shifts in Earth Sciences Priorities in Nepal for Sustainable Development
– Ranjan Kumar Dahal
ENV-1

– Amita Singh, Suneet Dwivedi and Alok Kumar Mishra
Fabrication of Novel Fe-Mn Framework and Cubic Fe(OH)₃ for the Effective Removal of Para Arsanilic Acid from Water

– Tista Prasai Joshi, Ruiping Liu, Huijuan Liu and Jiuhui Qu

Studies of Nung Dolan Landslide along National Highway-37, Manipur, Northeast India

– KH Mohon Singh

Magnetotellurics (MT) in Earthquake Studies: Some Examples from India

– Laishram Sherjit Singh and DeveshWalia

November 17, 2018

Session 6
Mathematics
Room : Shashikala Hall

Chair Person: Prof. Dr. G. D. Kedar

3 : 40 – 4 : 00 Some Common Best Proximity Points Theorems for Generalised \( \alpha-\phi \)-Geraghaty Proximal Rational Contractions

– Yumnam Rohen
MATH-1

4 : 00 – 4 : 15 Nonlinear Analysis of Human Postures

– Aashima Bangia and Rashmi Bhardwaj
MATH-3

4 : 15 – 4 : 30 Hyper surface of a Semi-almost Hermitian Manifold

– Akansha and P.N. Pandey
MATH-4

4 : 30 – 4 : 45 On Fractional Integral Formulas Involving Srivastava's Polynomials and Multivariable I-function

– Alok Bhargava
MATH-5

4 : 45 – 5 : 00 A Study on Five-Dimensional Finsler Spaces Equipped With T- tensor

– Anamika Rai and S K Tiwari

Session 6
Physics
Room : Ganesh Hall

Chair Person: Prof. Dr. Deepak P Subedi

3 : 40 – 4 : 00 Analysis of Micropolar Porous Thermoelastic Circular Plate Under the Influence of Thermo-mechanical Sources

– Aseem Miglani
PHY-2

4 : 00 – 4 : 15 XANES and XAFS Studies of Ge ion Implanted SiO₂ Matrix

– Vikas Baranwal, Parasmani Rajput, Manvendra Kumar and Avinash C Pandey
PHY-5

4 : 15 – 4 : 30 Studies on Structural and Electrical Properties of Ni/Ti co-substituted Bismuth Ferrite

– Nripesh Kumar, Alok Shukla and R N P Choudhary
PHY-13

4 : 30 – 4 : 45 Carrier Mobility Measurement of Green Emitting Polymer by Dark Injection Space Charge Limited Conduction Method

– Manisha Bajpai, C. K Pandey, Rakhee Malik, Gyanendra P Shukla, Ritu Srivastava, and Ravindra Dhar
4:45 – 5:00  Effect of Dielectrophoretic Force to Estimate the Electrophoretic Charge and Zeta Potential of Colloidal Nanomaterials
– Anoop K. Srivastava

Session 6
Mathematics
Room: Buddha Hall

Chair Person: Prof. Dr. K. C. Deshmukh

3:40 – 4:00  Mathematical Interventions in Materials Science
– Prof. H S Dhami
MATH-85

4:00 – 4:15  Differential Quadrature Method in Free Transverse Vibration of Functionally Graded Orthotropic Porous Rectangular Plates
– Yajuvindra Kumar
MATH-86

4:15 – 4:30  Thermophoresis in a Darcy Maxwell Nanofluid
– Jaimala, Vipin Kumar Tyagi and Reema Singh
MATH-71

4:30 – 4:45  Fuzzy Paradigm and Supply Chain Model
– S.S. Mishra
MATH-39

4:45 – 5:00  A Generalized Fixed Point Theorem in Fuzzy Metric Space
– Manoj Garg

Session 6
Chemistry
Room: Machehhappuchre Hall

Chair Person: Prof. Dr. Paras Nath Yadav

3:40 – 4:00  Critical Agitator Speed for Solids Suspension in Gassed Agitated Vessels
– D. Devarayalu, Durga Prasad, A., Brijraj Singh, and S. N. Upadhyay
CHEM-18

4:00 – 4:15  An Overview on Cu(II) Sensor Prepared by Alkaline Co-precipitation Method
– Krishna Badan Nakarmi and Amar Prasad Yadav
CHEM-14

4:15 – 4:30  Study of Intermolecular Interactions in Binary Mixtures Containing Dialkylamine and 2-alkanol using Density, Speed of Sound and FTIR Techniques
– Seema Rani and Gyan Prakash Dubey
CHEM-11

4:30 – 4:45  Quadratic Dynamic Matrix Control of Reactive Distillation Column for Synthesis of tert-Amyl Methyl Ether
– Neha Sharma and Kailash Singh
BIO-9

4:45 – 5:00  Investigation of Molecular Interaction Between A-beta and Insulin Receptor: An In-silico Study
– Rakesh Kumar, Krishna Kumar Ojha, Ravindranath Singh Rathore and Vijay Kumar Singh

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Session 6
Mathematics
Room: Dhaulagiri Hall

Chair Person: Prof. Dr. Kedar Nath Uprety

3:40 – 4:00 Mathematical Aspects in Physical Sciences & Applications
– M. K. Sharma
MATH-79

4:00 – 4:15 Study on Almost Product and Almost Decomposable Manifolds of First Order
– U.S. Negi
MATH-82

4:15 – 4:30 Finite Element Study of Free Convection Heat Transfer In Fluid Flow Past Impulsively Started Plate: A Rheological Study
– Veena Sharma
MATH-84

4:30 – 4:45 Duality Relations for Second-order Programming Problem Under (G; \(\alpha_f\))-Convexity Assumptions
– Vishnu Narayan Mishra
MATH-88

4:45 – 5:00 Circular Bits Rotation based Lossless Color Retinal Image Encryption and Decryption Technique
– Vineet Kumar Singh

Session 6
Physics
Room: Annapurna Hall

Chair Person: Dr. Suresh Dhungel

3:40 – 4:00 Small-Signal Amplifying Systems Using Sziklai Pair Topology
– Sachchida Nand Shukla
PHY-23

4:00 – 4:15 Structural and Magnetic Properties of Transition Metals doped CeO\(_2\)
– Kavita Kumari, Y. S. Katheria and Shalendra Kumar
PHY-26

4:15 – 4:30 Supercapacitive Performance Analysis of Low Cost and Environment Friendly Potato Starch Based Electrolyte System with Anodized Aluminium as Electrode
– Madhavi Yadav, Manindra Kumar, Tuhina Tiwari and Neelam Srivastava
PHY-29

4:30 – 4:45 Qualitative Analysis of RKTG Pair Amplifier
– Raj Kumar Tiwari, Gaya Prasad, Shiksha Jain and Ganga Ram Mishra
PHY-32

4:45 – 5:00 Optical Characterization of Rh B Co-doped TiO\(_2\) Sol-gel thin Films
– S. Rai and U. Khan

November 18, 2018

7:30 – 8:00 Breakfast
8:00 – 1:00 Excursion Tour
1:00 – 2:00 Lunch Break

Session 7
Mathematics
Room: Shashikala Hall

Chair Person: Prof. Dr. Srijan Lal Shrestha

2:00 – 2:20 Mathematical Model of Pulsatile Flow of Blood in a Human Cardiovascular System (cvs) in the Presence of External Body Force
– P. R. Sharma

IT-14
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<th>Session</th>
<th>Title</th>
<th>Authors</th>
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</thead>
<tbody>
<tr>
<td>2:35–2:50</td>
<td>Optimal Rental Cost of Flow Shop three Stage Scheduling Problem with Job Block Criteria</td>
<td>– Indu Vij</td>
<td>MATH-24</td>
</tr>
<tr>
<td>2:50–3:05</td>
<td>Road Traffic Management using Fuzzy Controllers</td>
<td>– Jitesh P. Tripathi</td>
<td>MATH-29</td>
</tr>
<tr>
<td>3:05–3:20</td>
<td>MHD Fluid Flow through a Vertical Channel with Cross Diffusion Effect using Homotopy Analysis Method</td>
<td>– Kalpna Sharma, Khushbu Bhaskar and Ruchika Mehta</td>
<td>MATH-29</td>
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### Session 7

**Physics**

Room: Ganesh Hall

**Chair Person:** Prof. Dr. Sita Ram Byahut

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<tbody>
<tr>
<td>2:00–2:20</td>
<td>Intelligent Approach to Artificial Intelligence</td>
<td>– D. Pandey</td>
<td>IT-46</td>
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<tr>
<td>2:35–2:50</td>
<td>Stability Analysis of Chemostat Model in Fuzzy Environment</td>
<td>Harish Chandra Bhandari and Kanhaiya Jha</td>
<td>MATH-22</td>
</tr>
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</table>

### Session 7

**Mathematics**

Room: Buddha Hall

**Chair Person:** Prof. Dr. Ram Prasad Khatiwada

<table>
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<th>Time</th>
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<tbody>
<tr>
<td>2:00–2:20</td>
<td>A Study of Pointwise Slant Lightlike Submanifolds of Indefinite Hermitian Manifolds</td>
<td>– Rakesh Kumar</td>
<td>IT-41</td>
</tr>
<tr>
<td>2:20–2:35</td>
<td>Analysis of Two-Phase Human Cerebral Blood Flow in Arterioles during Bacterial Meningitis by Mathematical Modeling</td>
<td>– Kasheee Prasad Barroh, V. Upadhyay, Manoj Indurkar and P.N. Pandey</td>
<td>MATH-90</td>
</tr>
<tr>
<td>2:35–2:50</td>
<td>Approximating Common Fixed Points</td>
<td>– Izhar Uddin</td>
<td>MATH-92</td>
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<tr>
<td>2:50–3:05</td>
<td>Loop Formation in Modified Distribution Method for Transportation Problem</td>
<td>– A.K. Prasad</td>
<td>MATH-10</td>
</tr>
</tbody>
</table>
3 : 05 – 3 : 20  Fuzzy Approach to Markovian Queueing Model
   – S.S. Mishra and B.B. Singh
3 : 20 – 3 : 40  Tea Break

Session 7
Physics
Room : Machhapuchre Hall

Chair Person: Prof. Dr. Pradeep Bhattarai

2 : 00 – 2 : 20  Far Infrared Cavity in the Interstellar Medium
   – Binil Aryal and Bhanu Bhakta Sapkota

2 : 20 – 2 : 35  Photo Degradation of Crystal Violet Trapped on the Surface of TiO$_2$ Nanoparticles
   – S. Rai, K. Bhujel and P.J Dihingia

2 : 35 – 2 : 50  Study the Role of Defects on Optical and Magnetic Properties of ZnO Nanorods
   – Shalendra Kumar

2 : 50 – 3 : 05  Multiferroic and Magnetoelectric Properties of NiFe$_2$O$_4$ and Na$_{0.5}$Bi$_{0.5}$TiO$_3$ Based Composites
   – Tanvi Bhasin, Ashish Agarwal, Sujata Sanghi, Manisha Yadav, Muskaan Tuteja and Jogender Singh

3 : 05 – 4 : 00  A non-Newtonian two Phase Fluid Model for Hepatic Blood Flow through Arteries under Stenosis Condition with Special Reference to Liver Cirrhosis
   – Anil Kumar, V. Upadhyay, A. K. Agrawal and P. N. Pandey

3 : 50 – 4 : 40  Tea Break

Session 7
Physics
Room : Dhaulagiri Hall

Chair Person: Assoc. Prof. Dr. Leela Pradhan

2 : 00 – 2 : 20  Greener Syntheses: An Easy Access for Biologically Potent Scaffolds
   – Devdutt Chaturvedi

2 : 20 – 2 : 35  Magnetic Moment in S-Doped and undoped Cu$_2$ Onanowires at Different Electronic Temperatures: First-Principle Study
   – Tarani Prasad Yadav, Anurag Srivastava and Gopi Chandra Kaphle

2 : 35 – 3 : 05  Rare Earth Ions Doped Luminescence Materials
   – Prashansha Singh, Shraddha Shukla, Anish Kumar Tiwari and Avinash C. Pandey

3 : 05 – 3 : 20  Optical Studies of Rare-earth Ions Co-doped with CdS Nanoparticles in Sol-gel Glasses for Photonic Applications
   – S. Rai

3 : 20 – 3 : 40  Tea Break
Session 7
Mathematics
Room: Annapurna Hall

Chair Person: Prof. Dr. Nilam Shrestha

2:00 – 2:20 Finsler Spaces with Constant Flag Curvature
– Bankteshwar Tiwari
MATH-49

2:20 – 2:35 Analysis of Natural Convective Flow in an Inclined Channel in the Presence of Magnetic Field and Heat Source
– Pooja Sharma, Navin Kumar and Tarun Sharma
MATH-31

2:35 – 2:50 Compatibility Analysis of QR Factorization on Different Wavelet Filters for color Image Watermarking
– Kamred Udham Singh
MATH-62

2:35 – 2:50 Conformally Invariant Wave-like Solutions in a Modified Theory of Gravity
– S. N. Pandey and Sacheendra Shukla
MATH-83

2:50 – 3:05 Non-invariant Hypersurfaces of a Lorentzian Para-Sasakian Manifold
– Vibha Srivastava and P. N. Pandey
MATH-34

3:05 – 3:20 Notes on Biharmonic Hypersurfaces in Quasi-Para-Sasakian 3-Manifolds
– Kanika Sood and Sachin Kumar Srivastava

3:20 – 3:40 Tea Break

November 18, 2018

Session 8
Mathematics
Room: Shashikala Hall

Chair Person: Prof. Dr. Bhanu Chandra Bajracharya

3:40 – 4:00 Finsler Space with Homogeneous Geodesics Orbit on Randers Metrics
– S.K.Narasimhamurthy
MATH-37

4:00 – 4:15 Seasonal Deteriorating Items Inventory Model for Ramp Type Demand Pattern and time Dependent Deterioration with Partial Backlogging
– L. S. Singh
MATH-46

4:15 – 4:30 Two Phase Mathematical model of Hepatic Capillaries Blood Flow During Hepatitis B
– Om Prakash, V. Upadhyay and P.N. Pandey
MATH-53

4:30 – 4:45 MHD Mixed Convective Flow Between Two Infinite Vertical Plates in Slip Flow Regime with Constant Heat and Mass Flux
– Priya Mathur
MATH-61

4:45 – 5:00 Fluid Flow and Heat Transfer Analysis of Electrically Conducting Fluid in a Vertical Channel in the Presence of Thermal Radiation, Chemical Reaction and Heat Source
– Ruchika Mehta and Tripti Mehta

Session 8
Physics
Room: Ganesh Hall

Chair Person: Prof. Dr. Ramesh Man Maskey

3:40 – 4:00 Role of Accelerators in Energy Generation, Healthcare and Security
– Pitamber Singh

IT-12

IT-38
   – A.K. Bhardwaj

A Mueller Matrix Based Noninvasive Optical Phase Sensitive Blood Glucose Measurement
   – Naresh Kumar Chaudhary

Role of Solar Alpha Particles in Predicting Geomagnetic Storms
   – Sudikshya Pant and Binod Adhikari

A Study on Effect of Solar Activity Features
   – Balveer S Rathore

Session 8
Mathematics
Room: Buddha Hall

Chair Person: Prof. Dr. Chet Raj Bhatta

True multiparticle non-local correlation and secure communication
   – Ramij Rahaman

Common Fixed Point Theorems in Fuzzy Metric Space
   – Swati Agnihotri, K.K. Dubey and V.K. Gupta

On Zweier Difference Ideal Convergence of Double Sequences in Random 2-Normed Spaces
   – Vakeel A. Khan and Mohd. Imran Idrisi

Half Lightlike Submanifolds of Indefinite Kaehler Manifolds with a Quarter Symmetric Metric Connection
   – Varun Jain

Application of Fuzzy set and Fuzzy logic
   – J.N. Mishra

Session 8
Mathematics
Room: Machchhapuchre Hall

Chair Person: Prof. Dr. Chintamani Pokharel

Applications of Mathematics in Present Technology
   – Shiv Datt Kumar

A Note on Partial Nondegenerate Lagrange Spaces
   – Suresh K. Shukla and P. N. Pandey

Fluid Flow Analysis of Unsteady MHD Oscillatory Free Convection and Chemical Reaction through Porous Medium in a Vertical Channel
   – Tripti Mehta and P.R. Sharma

FRW Bulk Viscous Cosmology with Modified Chaplygin Gas in (2+1)-Dimensional Space
   – Praveen Kumar, Safiqul Islam and Kashika Srivastava

Fuzzy Queueing System with Removable Service Station
   – S S Mishra and S Rawat
Session 8
Mathematics
Room: Dhaulagiri Hall

Chair Person: Prof. Dr. Shanta Sharan Mishra

3:40 – 4:00 Infinitesimal transformation in finsler space and their application
– P.N. Pandey
IT-50

4:00 – 4:15 On Existence of Unique Screen Distribution of Light like Sub Manifolds of a Semi-Riemannian Manifold
– Rachna Rani
MATH-11

4:15 – 4:30 Kolmogorov-Sinai Entropy for Gs-spaces
– Mona Khare and Anurag Shukla
MATH-21

4:30 – 4:45 Thermal Stresses due to Eddy Current Loss in a Rectangular Plate
– G.D. Kedar
MATH-89

4:45 – 5:00 Two Phase Blood Flow in Hepatic Venules during Hepatitis B: A Mathematical Model
– V. Upadhyay, Om Prakash and P.N. Pandey

Session 8
Physics
Room: Annapurna Hall

Chair Person: Dr. Rabindra Dhakal

3:40 – 3:55 Surface Modification of Polyamide by 50 Hz Dielectric Barrier Discharge (DBD) at Atmospheric and Near Atmospheric Pressure
– R. P. Guragain, H.B. Baniya, S.Dhungana and D. P. Subedi
PHY-36

3:55 – 4:10 Surface Morphology Study of Polymer Blends and Their Correlation with Transport Parameters
– Rakhee Malik, C. K Pandey, Manisha Bajpai and Gyanendra P Shukla
PHY-20

4:10 – 4:25 Thermo Dynamic, Optical and Switching Parameters of Aferroelectric Liquid Crystaline Material having SmA*-SmC*-SmBh* Phase Sequence
– Ashwani Kumar Singh, Amir Iqbal, Upendra Bahadur Singh, Roman S. Dabrowski and Ravindra Dhar
PHY-40

4:25 – 4:40 Data Mining Model for IoT and Challenges
– Vineet Kumar Singh, Brijesh Bhardwaj and Awadhesh Kumar Maurya
ICT-13

4:40 – 4:55 Subtractive Gene Analysis of Pathogenic and Associated Genes Involved in Bovine Mastitis
– Neelam Chandra and Pramod Katara
ICT-3

5:00 – 5:30 Valedictory Session