

# Program Time Table (ACCIS 2019)

## Duration for each category of Oral Presentation including Q&A

Plenary Lecture (PL): 45 min

Keynote Lecture (KL): 30 min

Special Invited Lecture (SIL): 25 min

Invited Lecture (IL): 20 min

Oral Presentation (OP): 15 min

**[☉☉] Presenter to be evaluated for Young oral presentation awards**

(Age of the presenter should be within 40 years by time of the ACCIS 2019)

## Symposia

**Symposium 1:** Principles of self-assembly, micelles & liquid crystals

**Symposium 2:** Nanoparticles, nanomaterials & structure-property relationship

**Symposium 3:** Soft materials, colloidal dispersions, gels, thin films, surfactants & polymers

**Symposium 4:** Biomimetic materials, drug discovery, drug delivery, nanomedicine & pharmacy

**Symposium 5:** Foam, bubbles, emulsions, microemulsion & applications of colloids

**Symposium 6:** Catalytic systems, fuel cells, supercapacitors & batteries

**Symposium 7:** Nanomaterials for environmental sensing, separation & adsorption

## Sept. 24, 2019, Tuesday (Day 1<sup>st</sup>)

13:00 – 17:30	<b>Registration</b> (Department of Applied Science, Pulchowk Campus, IOE, TU)
17:30 – 19:00	<b>Welcome Reception</b> (Pulchowk Campus, IOE, Department of Applied Science, Garden Area)

## Sept. 25, 2019, Wednesday (Day 2<sup>nd</sup>)

<b>(8:45 – 9:00)</b>	<b>Opening: (Library Hall)</b>
<b>9:00 – 9:45</b>	<b>PL1: A K Sood (Library Hall)</b> New Paradigms in Sheared Soft Matter <div style="text-align: right;"><b>Chair: Kirk S. Schanze</b></div>
<b>9:45 – 10:15</b>	<b>KL1: Conxita Solans (Library Hall)</b> A review on the approaches to generate nano-emulsions by low-energy methods <div style="text-align: right;"><b>Chair: Raja Ram Pradhananga</b></div>

### 10:15 – 10:35 Coffee Break

Parallel Sessions (10:40 – 12:30)	Symposium 2: (Dept. Appl. Sci. Hall 1A) Chairs: Jingcheng Hao & Rekha Goswami Shrestha	Symposium 2: (Dept. Appl. Sci. Hall 2B) Chairs: Amiya Kumar Panda & Rinita Rajbhandari Joshi	Symposium 5: (Dept. Mech. Eng. Hall 2C) Chairs: Toyoko Imae & Hem Raj Pant
10:40 – 11:00	<b>IL01:</b> Miklos Zrinyi	<b>IL05:</b> Ying Lung Steve Tse	<b>IL09:</b> Shigeru Deguchi
11:00 – 11:20	<b>IL02:</b> Ru-Shi Liu	<b>IL06:</b> Bhadra Pokharel	<b>IL10:</b> To Ngai
11:20 – 11:40	<b>IL03:</b> Ildoo Chung	<b>IL07:</b> Takeshi Kawai	<b>IL11:</b> Kei Watanabe
11:40 – 12:00	<b>IL04:</b> Shin-ichi Yusa	<b>IL08:</b> Bhim Kafle	<b>IL12:</b> Ajay Bhattarai
12:00 – 12:15	OP01: Yoshio Kobayashi	OP03: Dominik Fajstavr	OP05: Ryosuke Ohnuki
12:15 – 12:30	OP02: Maharaz Md. Nasir	OP04: Sang-Yup Lee	OP06: Emma Giakoumatos

### 12:30 -13:40 Lunch Break

<b>13:40 – 14:10</b>	<b>KL2: Thomas A. Jung (Dept. Appl. Sci. Hall 1A)</b> Molecular Lego for functional 2D Materials: Designing ultra-stable and highly crystalline two-dimensional organic networks <div style="text-align: right;"><b>Chair: Conxita Solans</b></div>		
Parallel Sessions (14:15 – 15:30)	Symposium 2: (Dept. Appl. Sci. Hall 1A) Chairs: Akiyoshi Taniguchi & Bhadra Pokharel	Symposium 6: (Dept. Appl. Sci. Hall 2B) Chairs: Surendra Shrestha & Dharmesh Varade	Symposium 7: (Dept. Mech. Eng. Hall 2C) Chairs: Boris Noskov & Yusuke Ide
14:15 – 14:35	<b>IL13:</b> Jonathan P. Hill	<b>IL16:</b> Shu-Fen Hu	<b>IL19:</b> Rekha Goswami Shrestha
14:35 – 14:55	<b>IL14:</b> P. Davide Cozzoli	<b>IL17:</b> Akihiro Okamoto	<b>IL20:</b> Rabindra Dhakal
14:55 – 15:15	<b>IL15:</b> Hideki Sakai	<b>IL18:</b> Yury Shchipunov	<b>IL21:</b> Lok Kumar Shrestha
15:15 – 15:30	OP07: Achyut Adhikari [☺☺]	OP08: Hom Nath Luitel	OP09: Ying-Chin Liao

### 15:30 – 15:45 Coffee Break

<b>15:45 – 18:00</b>	<b>Poster Session [Dept. Appl. Sci. Corridor 1F, 2F &amp; 3F]</b>
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## Sept. 26, 2019, Thursday (Day 3<sup>rd</sup>)

<b>9:00 – 9:45</b>	<b>PL2: Junbai Li (Dept. Appl. Sci. Hall 1A)</b> Molecular Assembly of Peptide based Materials toward Biomedical Application <div style="text-align: right;"><b>Chair: A K Sood</b></div>
<b>9:45 – 10:15</b>	<b>KL3: Kohei Uosaki (Dept. Appl. Sci. Hall 1A)</b> Electrochemical Surface Science and Energy Conversion <div style="text-align: right;"><b>Chair: Gregory G. Warr</b></div>

<b>10:15 – 10:35</b>	<b>Coffee Break</b>
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Parallel Sessions (10:40 – 12:30)	Symposium 2: (Dept. Appl. Sci. Hall 1A) Chairs: Li-Jen Chen & Hideki Sakai	Symposium 7: (Dept. Appl. Sci. Hall 2B) Chairs: Jin Woong Kim & Vinaya Jha	Symposium 3: (Dept. Mech. Eng. Hall 2C) Chairs: To Ngai & Tulsi Pathak
10:40 – 11:00	IL22: Koichi Tsuchiya	IL26: Tony James	IL30: Kenji Aramaki
11:00 – 11:20	IL23: Jagadeesh Bhattarai	IL27: Toyoko Imae	IL31: Qingmin Ji
11:20 – 11:40	IL24: Limin Qi	IL28: Leela Pradhan Joshi	IL32: Boris Noskov
11:40 – 12:00	IL25: Surendra Gautam	OP11b: Daniel T. Payne [☉☉]	IL33: Tomoaki Nakanishi
12:00 – 12:15	OP10: Deval P. Bhattarai	OP12: Subrata Maji [☉☉]	OP14: Wojciech Plazinski
12:15 – 12:30	OP11a: Lok Kumar Shrestha	OP13: Surendra Bikram Silwal	OP15: Siam Hussain [☉☉]

<b>12:30 -13:40</b>	<b>Lunch Break</b>
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<b>13:40 – 14:10</b>	<b>KL4: Francoise M. Winnik (Dept. Appl. Sci. Hall 1A)</b> The assembly of amphiphilic copolymers in water: Can weak forces oppose segregation? <div style="text-align: right;"><b>Chair: Kohei Uosaki</b></div>		
Parallel Sessions (14:15 – 17:10)	Symposium 2: (Dept. Appl. Sci. Hall 1A) Chairs: Chien-Hsiang Chen, Koichi Tsuchiya, & Rameshwar Adhikari	Symposium 3: (Dept. Appl. Sci. Hall 2B) Chairs: Ajay Bhattarai, Tony James & Takeshi Kawai	Symposium 4: (Dept. Mech. Eng. Hall 2C) Chairs: Kenji Aramaki, Renzhi Ma & P. Davide Cozzoli
14:15 – 14:35	IL34: Serge Ravaine	IL39: Jan Labuta	IL44: Akiyoshi Taniguchi
14:35 – 14:55	IL35: De-Hao Tsai	IL40: Archita Patnaik	IL45: Sharali Malik
14:55 – 15:15	IL36: Sabita Shrestha	IL41: Annie K Powell	IL46: Toby Jenkins
15:15 – 15:30	OP16: Dhana Laxmi Manyala	OP20: Régis Guegan [☉☉]	OP24: Sung Soo Park
15:30 – 15:45	OP17: Anoop Basnet	OP21: Olga Milyaeva [☉☉]	OP25: Kazutoshi Iijima [☉☉]
<b>15:45 – 16:00</b>	<b>Coffee break</b>		
16:00 – 16:20	IL37: Renzhi Ma	IL42: Jincheng Hao	IL47: Sanju Shrestha
16:20 – 16:40	IL38: Hyojong Yoo	IL43: Yasuhisa Adachi	IL48: Mohd B. A. Rahman
16:40 – 16:55	OP18: Nipin Kohli	OP22: Thu Thi Yen Le	OP26: Chi-Cheng Chiu [☉☉]
16:55 – 17:10	OP19: Sang-Min Lee	OP23: Václav Březina	OP27: Binita Maharjan [☉☉]

<b>17:30-19:30</b>	<b>ASCASS Executive Committee Members Meeting [Hotel Himalaya (Green Room)]</b>
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## Sept. 27, 2019, Friday (Day 4<sup>th</sup>)

<b>9:00 – 9:45</b>	<b>PL3: Kirk S. Schanze (Dept. Appl. Sci. Hall 1A)</b> Nanostructured Conjugated Polyelectrolyte Films. Properties and Applications <div style="text-align: right;"><b>Chair: Junbai Li</b></div>
<b>9:45 – 10:15</b>	<b>KL5: Gregory G. Warr (Dept. Appl. Sci. Hall 1A)</b> Amphiphilic Self-Assembly in Nanostructured Solvents and Solutions <div style="text-align: right;"><b>Chair: Thomas A Jung</b></div>

<b>10:15 – 10:35</b>	<b>Coffee Break</b>
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Parallel Sessions (10:40 – 12:30)	Symposium 2: (Dept. Appl. Sci. Hall 1A) Chairs: Masakazu Aono & Toby Jenkins	Symposium 3: (Dept. Appl. Sci. Hall 2B) Chairs: Limin Qi & Kei Watanabe	Symposium 4: (Dept. Mech. Eng. Hall 2C) Chairs: Yury Shchipunov & Jonathan P Hill
10:40 – 11:00	<b>IL49:</b> Dharmesh Varade	<b>IL53:</b> Chien-Hsiang Chang	<b>IL57:</b> Kunn Hadinoto Ong
11:00 – 11:20	<b>IL50:</b> Muhammad Azeem	<b>IL54:</b> Amiya Kumar Panda	<b>IL58:</b> Chang-Sik Ha
11:20 – 11:40	<b>IL51:</b> Roger Leblanc	<b>IL55:</b> Jin Woong Kim	<b>IL59:</b> Hem Raj Pant
11:40 – 12:00	<b>IL52:</b> Yusuke Ide	<b>IL56:</b> Rameshwar Adhikari	<b>IL60:</b> Kohsaku Kawakami
12:00 – 12:15	OP28: Jyoti Giri	OP30: Emilia Nowak	OP32: Shailendra Shakya [⊙⊙]
12:15 – 12:30	OP29: Shankar P Khatiwada	OP31: Chin-Fen Lee	OP33: Netra Lal Bhandari [⊙⊙]

<b>12:30 -13:40</b>	<b>Lunch Break</b>
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<b>13:40 – 14:10</b>	<b>KL6: Raja Ram Pradhananga (Dept. Appl. Sci. Hall 1A)</b> Nanopore Engineering of Carbon Materials from Agricultural Wastes <div style="text-align: right;"><b>Chair: Francoise M. Winnik</b></div>		
Parallel Sessions (14:15 – 16:00)	Symposium 1: (Dept. Appl. Sci. Hall 1A) Chairs: Mohd Basyaruddin & Jagadeesh Bhattarai	Symposium 3: Symposium 4: (Dept. Appl. Sci. Hall 2B) Chairs: Shin-ichi Yusa & Sharali Malik	Symposium 4: Symposium 5: (Dept. Mech. Eng. Hall 2C) Chairs: Annie Powell & Kohsaku Kawakami
14:15 – 14:35	<b>IL61:</b> Li-Jen Chen	<b>IL63:</b> Mahesh Kumar Joshi	<b>IL65:</b> Surendra K Shrestha
14:35 – 14:55	<b>IL62:</b> Yutaka Wakayama	<b>IL64:</b> Alejandro Sosnik	<b>IL66:</b> Pramila K Misra
14:55 – 15:10	OP34: KM Sachin	OP38: Arvind Pathak	OP42: Norazlinaliza Salim [⊙⊙]
15:10 – 15:25	OP35: Sujit Kumar Shah	OP39: Komal Prasad Malla	OP43: Alexander Shchekin
15:25 – 15:40	OP36: Jasu Chauhan	OP40: Drabindra Pandit	OP44: Azren Aida Asmawi
15:40 – 15:55	OP37: Babu Raj Dhungana	OP41: Karthick Velu [⊙⊙]	OP45: Lanny Sapei
<b>16:00 – 16:15</b>	<b>Coffee break</b>		

<b>16:15 – 16:40</b>	<b>Special Invited Lecture: Masakazu Aono (Dept. Appl. Sci. Hall 1A)</b> From Atomcraft to Nanoarchitectonics <div style="text-align: right;"><b>Chair: Yutaka Wakayama</b></div>
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<b>16:50–17:05</b>	<b>Closing Ceremony (Dept. Appl. Sci. Hall 1A)</b>
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<b>18:00 – 20:00</b>	<b>Conference Dinner &amp; Awards: Hotel Himalaya (HIMALAYA HALL)</b>
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## Poster Presentation (15:45 – 18:00: Dept. Appl. Sci. Corridor 1F, 2F & 3F)

- Posters should print out in A0 size.
- Put your poster on the assigned poster board (Poster number will be displayed on top of each poster board) by the noon of Sept. 25<sup>th</sup>.
- Poster presenters are recommended to be present at their poster panel during the session. Poster will be evaluated by the experts for the best poster awards. Awards will be given only to young post-docs (below 40 years old) and graduate students.

- PP01: K.M. Sachin, Sameer Arvind Karpe, Man Singh, Ajaya Bhattarai  
Interfacial and Bulk Behavior of anionic, cationic surfactants with dyes in aqueous medium
- PP02: Klára Nežnalová, Dominik Fajstavr, Petr Slepíčka, Václav Švorčík  
Preparation of honeycomb structure on plasma modified polymer
- PP03: Abhimanyu Jha, Aabhash K. Mallick, Rajeshwar M. Shrestha, Rinita Rajbhandari Joshi  
Characterization of Nanoporous Activated Carbons Derived from Peach (*Prunus persica*) Stones.
- PP04: Aabhash Kumar Mallick, Abhimanyu Jha, Bhadra Prasad Pokharel, Rajeshwar Man Shrestha, Rinita Rajbhandari  
Activated Carbons Derived from Date (*Phoenix dactylifera*) Seeds with Excellent Iodine Adsorption Properties
- PP05: Manobin Sharma\*, Dipak Subedi, Anshu Kumari, Sahira Joshi, Hem Raj Pant  
Fabrication of Iron Oxide Nanoparticles attached Activated Carbon Composite for Arsenic Removal from Water
- PP06: Teng-Yun Liang, De-Hao Tsai  
Raspberry-Structured Nickel Hybrid Nanoparticle Cluster for Synergistic Catalysis of Methane Dry Reforming
- PP07: Yu-Shen-Chen, Hung-Yen Chang, Guan-Hung Lai, Hoang Phu Nguyen, Thanh Truc Nguyen Hoang, De-Hao Tsai  
Synergistic Catalysis of Tranesterification of Octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (IRGANOX 1076) using Composite Metal Oxide Nanoparticle Cluster.
- PP08: Hsin-Li Chiang, Yu-An Sun, Shan-Hill Wong, and De-Hao Tsai  
Quantitative study of aerosol-based synthesis of CaO nanoparticle using differential mobility analysis coupled to Fourier transform infrared spectrometry.
- PP09: Hyun Jeong Won, Sung Young Park  
UV-Visible Induced Photocatalysts of Hydrophobic-Hydrophilic Transitional Perfluorinated Silica-Based Fluorescent Carbon Dot/TiO<sub>2</sub> Surfaces
- PP10: Pham Thi My Phuong, Gibaek Lee and Sung Young Park  
pH-Sensitive Carbon Dots Coated Surfaces for Antifouling Modulation via Fluorescent and Electrochemical Behaviors
- PP11: Bijay Dhungana and Bhadra Pokharel  
Comparative Study on Electronic properties of BaTiO<sub>3</sub> in Ceramic, Crystalss and Thin-film forms for Phase Transition Behaviour
- PP12: Kiran Bagale, Ram Kumar Sharma, Hem Raj Pant  
Preparation and Characterization of Conductive Thin Film of Activated Carbon Based Polyacrylonitril (PAN)/Polyaniline (PANI) Composite
- PP13: Dipak Subedi, Sahira Joshi, Khem Narayan Poudyal, Surendra Shrestha, Hem Raj Pant  
Fabrication of Fe<sub>3</sub>O<sub>4</sub>/activated carbon composite for the adsorption of arsenic from water
- PP14: Helena Raabova, Petr Cigler  
Fluorescent nanodiamonds coated in stimuli-responsive polymeric shells – platform for optical sensors
- PP15: Soo Yong Park, Ildoo Chung  
Biocompatible and Biodegradable L-tyrosine Polyurethane Double-Emulsion Nanoparticle as Gene Delivery Vector
- PP16: Soo Yong Park, Ildoo Chung  
Biodegradable Double-Emulsion Nanoparticles Based on Polyfumarateurethane for Sustained Release of Bupivacaine
- PP17: Arun Karthick, Xerxes Mehboob Momin, Pradipta Chattopadhyay, Banasri Roy  
Production of Biosurfactant using substrate Mustard Oil
- PP18: Shraddha Patrabanish and Vinay Kumar Jha  
Evaluation of the Antibiotic Residues in Chicken by HPLC Technique
- PP19: Bhojraj Bhandari, and Bhadra Prasad Pokharel  
An experimental study on phase transition behavior of (Ba<sub>1-x</sub>Mg<sub>x</sub>)TiO<sub>3</sub> (x = 0.04 & 0.08) ceramics

- PP20: Srijan Adhikari, Bishwas Pokharel, Vasanta Gurung, Rajeshwar Man Shrestha, Rinita Rajbhandari  
Preparation and Characterization of Activated Carbon from Walnut (*Juglans regia*) shells by Chemical Activation with Zinc Chloride ( $ZnCl_2$ )
- PP21: Ram Lal Shrestha and Prakash Shrestha  
Phytochemical screening, Antioxidant study and GC-MS analysis of *Mahonia nepalensis*
- PP22: Birendra Kumar Yadav, Vinay Kumar Jha  
Arsenic Adsorption Characteristics of Bentonite Clay Modified with Iron Oxide
- PP23: Awadh Kishor Kumar and Pallab Ghosh  
Removal and recovery of cationic surfactant from its aqueous solution
- PP24: Marek Kindermann, Sandra Claveau, Jean-Rémi Bertrand, François Treussart, Jitka Neburková, Veronika Benson and Petr Cigler  
Intracellular delivery of siRNA by polymer-grafted fluorescent nanodiamonds
- PP25: Lauren Gwynne, Laura A. Wallace, Kate. V. Drew, Jean-Yves. Maillard, A. Toby. A. Jenkins  
Triggered Release of Bacteriophage K from a Prototype pH Responsive Wound Dressing
- PP26: Chang-joon Keum and Sang-Yup Lee  
Heterogeneous Water Oxidation Catalyst: A Supramolecular Assembly of Histidyl Bolaamphiphiles Coordinated with Iridium
- PP27: Prakash Kumar Jha and Vinay Kumar Jha  
Adsorption of iodine, chromium(VI) & arsenic(III) ions from aqueous systems by activated carbon obtained from spinach leaf powder
- PP28: Gita Pandey and Vinay Kumar Jha  
Pesticide (Cypermethrin) Contamination in daily use Vegetables Available in Local Market of Kathmandu Valley
- PP29: Barnali Banerjee and Santanu Paria  
Fundamental investigations of mixed surfactant systems on bituminous based products for oil-water emulsion stability
- PP30: Rajendra Subedi and Bhadra Prasad Pokharel  
Phenomenological phase transition study of ferroelectric  $Pb(Zr_{0.5}Ti_{0.5})O_3$  (PZT50) and anti-ferroelectric  $PbZrO_3$  (PZ) ceramics
- PP31: Klaudia Kvakova, Jiri Schimer, Helena Raabova, Petr Cigler  
Nanodiamonds modified with biocompatible polymers
- PP32: Jakub Copak, Helena Raabova, Ondrej Zemek, Jiri Schimer, Jan Kotek, Petr Cigler  
Fluorescent nanodiamonds coated with paramagnetic thermoresponsive polymeric shells
- PP33: Nava Raj Regmi, Khem N Poudyal and Indra B Karki  
Estimation of Daily Global Solar Radiation Using RadEst 3.00 software at Pokhara, Nepal
- PP34: Mahesh Regmi and Vinay Kumar Jha  
Synthesis and Characterization of Activated Carbon Zeolite Composite from Coal Fly Ash for Pb (II) Removal from Aqueous Solution
- PP35: Umakanta Joshi, Khem N Poudyal, Ishwar Koirala and Indra B Karki  
Estimation of solar energy potential using empirical formulas at Lake City Pokhara, Nepal
- PP36: Esmail Doust Khah Heragh and Yusuke Ide  
Irreversible Exfoliation of a Layered Silicate Magadiite to Boost the Adsorption via the Zeolitic but Unique Intralayer Open Microchannels
- PP37: Ram Lal Shrestha and Achyut Adhikari  
Anti-oxidant Constituents from *Corydalis govaniensis* Wall. and *C. casimiriana* Duthie and Prain ex Prain
- PP38: Ram Lal Shrestha and Namita Timilsina  
Antioxidant and antimicrobial activity and GC-MS analysis of extract of *Rumex nepalensis* Spreng
- PP39: Ram Lal Shrestha and Richa Shahi  
Phytochemical screening, Antioxidant activity and GC-MS analysis of extract of *Berberis aristata*
- PP40: Li-Lun Chen, Li-Ting Tseng and Ruey-Yug Tsay  
The Antibacterial Activity of Cationic and Nonfouling Zwitterionic Surfaces
- PP41: Kumar Prasad Dahal, Shrawan Kumar Regmi, Jhalak Narayan Timilsena and Jagadeesh Bhattarai  
Study on the Influence of Some Soil Parameters on the Buried-Metallic Pipes Corrosion in Kathmandu Valley of Nepal
- PP42: Nav Raj Phulara, Nirmal Acharya and Jagadeesh Bhattarai

- Assessment on the Steel-Reinforced Concrete Structures Corrosion in Kathmandu Valley Using Corrosion Potential Mapping Method
- PP43: Ramesh Regmi, Bhesh Nath Subedi, Kumar Amgain, Susan Joshi and Jagadeesh Bhattarai  
Inhibition Effect of Green Material of *Vitex negundo* Leaves Extract for Corrosion Behavior of Different Metallic Materials in Biofuels and their Blends
- PP44: Jeevan Regmi, Khem N Poudyal, Rudra P Aryal and Amod Pokhrel  
Seasonal Variation of Aerosol Optical Depth and Its Impact on Climate of Pokhara Valley
- PP45: Naseul Jung, Sa Ra Han, Seung Joo Oh, Hee-Jin Kim and Jae Hyun Jeong  
 $\beta$ -sheet mediated Self-Assembly of poly(aspartamide) grafted with oligo(L-valine)
- PP46: Seung Joo Oh, Sung Woo Cho, Hee-Jin Kim, Sa Ra Han, Sung Gyu Shin and Jae Hyun Jeong  
Tuning the mechanical properties of an Alginate Micro-Gel for Cell-instructed Delivery
- PP47: Emma Giakoumatos, Antonio Aloï and Ilja Voets  
Exploring the impact of particle size and surface chemistry on interfacial position
- PP48: Tumina Miya, Ram Lal Shrestha and Timila Shrestha  
Antibacterial, Brine Shrimp Lethality Analysis, and GC-MS Analysis of *Vitex negundo* Linn
- PP49: Bhoj Raj Poudel, Devi Lal Adhikari, Surendra K Gautam, Hari Paudyal and Megh Raj Pokhrel  
Adsorptive Behaviour of Hexavalent Chromium on Chemically-Modified Sweet Lime (*Citrus Limetta*) Peels from Aqueous Solution
- PP50: Som Singar and Bhushan Shakya  
Synthesis, characterization and evaluation of antimicrobial activities of schiff bases of 4-amino-5-(2-hydroxyphenyl)-4H-1,2,4-triazole-3-thiol
- PP51: Pratima Khadka, Prabin Karki and Arvind Pathak  
Study of detergents available in the nepalese market and comparision of their cleansing action
- PP52: Sangeeta Timilsina, Mahesh Kumar Joshi  
Synthesis and characterization of silver nanoparticle incorporated bioplastic thin film
- PP53: Ram Lochan Aryal, Subarna Karki, Surendra Kumar Gautam, Hari Paudyal, Kedar Nath Ghimire  
Modification of Sweet Lime (*Citrus Limetta*) Peels as Natural Bio-polymer for the Adsorptive Removal of Arsenic (III) from Aqueous Solution
- PP54: Bibek Sapkota, Arun Bhujel and Surendra K. Gautam  
Synthesis and microscopic study of zinc oxide (Zno) nanoparticle synthesized by wet chemical precipitation method
- PP55: Arun Bhujel, Bibek Sapkota and Surendra K. Gautam  
Synthesis of zirconium oxide (zirconia, Zro<sub>2</sub>) nanoparticle by wet chemical precipitation method and their microscopic study
- PP56: Sanjay Shrestha and Ram Lal Shrestha  
GC-MS Analysis, Antioxidant Activity and Brine Shrimp Lethality Analysis of *Rubus ellipticus* Smith
- PP57: Sujita Manandhar and Ram Lal (Swagat) Shrestha  
Antibacterial, Antioxidant and GC-MS Analysis Study of Methanol Extract of *Azadirachta indica* Juss
- PP58: Jyoti Ghimire, Rameshwar Adikari, Sitaram Bhattarai and Netra Lal Bhandari  
Green Methods of Natural Plant Dye Extraction and Their Uses in Textile Dyeing and Medicinal Purpose
- PP59: Sunita Khadka, Tara Dutt Bhatt, Rameshwar Adhikari and Netra Lal Bhandari  
Antimicrobial Activity and Chemical Composition of Essential Oil from Leaves of *Aegle marmelos* (Linn) Correa, *Gaultheria fragrantissima* (Wall) and *Callistemon citrinus* (Curtis) Skeels
- PP60: Samjhana Bharati, Binita Maharjan and Ram Narayan Jha  
GC-MS analysis, Antioxidant, Antibacterial, Brine Shrimp Lethality Analysis, TPC, TFC and FTIR Analysis of *Centella asiatica* Linn
- PP61: Po-Sung Huang, Yu-Fon Chen, Filip Mravec and Chien-Hsiang Chang  
Exploring physical properties of charged catanionic vesicle/hyaluronic acid complexes
- PP62: Kuan-Ting Han, Hsiang Kao and Chien-Hsiang Chang  
Enhancing performance of solid-state lithium battery via reducing the interfacial resistance
- PP63: Yen-Po Chen, Yu-Chen Lin, Hsin-Ying Yu and Chien-Hsiang Chang  
Physical properties and encapsulation capability of microalgal lipid carriers
- PP64: Purnima Mulmi, Abhinav Man Singh Shrestha, Dinesh Shah, Ram Kumar Sharma and Hem Raj Pant  
Study of controlled release of fragrance from essential oil incorporated nano-fibrous mesh

- PP65: Abhinav Man Singh Shrestha, Purnima Mulmi, Manoj Kumar Jha and Hem Raj Pant  
Effect of Silver Nanoparticles on Retting of Himalayan Giant Nettle
- PP66: Surakshya Phajju, Poomima Mulmi, Hem Raj Pant, Mahesh Kumar Joshi  
Synthesis and characterization of cinnamon oil incorporated PCL nanofibrous scaffold for wound dressing applications
- PP67: Prakash M. Shrestha, Khem N. Poudyal, Narayan P. Chapagain and Indra B. Karki  
Study of affecting factor of meteorological parameters on solar radiation in Kathmandu valley
- PP68: U. Joshi, K. N. Poudyal, I. B. Karki and N.P. Chapagain  
Estimation of Global Solar Radiation using Different Models at low land Nepalganj, Nepal
- PP69: Lok B. Baral, Jeevan J. Nakarmi, Khem N. Poudyal, Dimitrios Nalmpantis, Hari B. Dura and Amatya, V  
CASWAT-G Feeder Transportation System: a simple, cheap, and eco-friendly surface ropeway for the mountainous countries
- PP70: Abbas Afkhami, Zahra Amouzegar, Tayebeh Madrakian, Niloufar Amin  
Redox-mediated fluorescent probe based on the carbon dots for indirect detection of periodate ion
- PP71: Zahra Hosseini, Mazaher Ahmadi, Tayyebeh Madrakian and Abbas Afkhami  
Combining the Dispersive Liquid-Liquid Microextraction and the Liquid Antisolvent Precipitation Methods to Develop an Efficient Extraction Method
- PP72: Rebecca Dangol, Salina Hona, Dinesh Giri, Janaki Ghatane and Raja Ram Pradhananga  
Synthesis, Characterization and Biological Applications of Copper Nanoparticles
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