

**Report on -International E-Conference Held on**  
**18.11.2021-20.11.2021**

<b>Date of Event</b>	18.11.2021-20.11.2021
<b>Student Activity</b>	<b>INTERNATIONAL E-CONFERENCE ON “NATURAL AND NOVEL PHARMACEUTICAL RESEARCH (NNPR)” 18<sup>th</sup> -20<sup>th</sup> November 2021_</b> Non-academic/Academic
<b>Conducted by</b>	School of Pharmacy, <b>ARKA JAIN UNIVERSITY, JHARKHAND, INDIA AND PHARMACY DEPARTMENT, SAN PEDRO COLLEGE, PHILIPPINES</b>
<b>No. Of Participant</b>	80

**Report On International E-Conference “Natural And Novel Pharmaceutical Research (Nnpr)”**

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**Agenda 1: Objective of meeting**

**Decision: Discussed and updated**

Dr. Sahoo explained the objective of e- Conference and the title of the conference. The emerging diseases has become more difficult in recent years due to the failure of many scientifically established drugs to combat causatives against which they were previously highly effective, and also because those causatives do not respond to a single drug but also to a combination. Several factors such as global climate change, change in lifestyle, and numerous unknown factors contribute to the outbreak of emerging illnesses, posing a substantial clinical management challenge on a global scale. Now a days, Pharmaceutical Research is devoted to developing innovative therapeutic molecules from natural and synthetic sources, as well as unique ways for resolving clinical challenges. It is crucial that everyone wakes up and works together. It is not just the responsibility of specialists in medicine or pharmaceutical sciences to overcome such clinical crises; it is also the obligation of professionals in engineering, biotechnology, bioinformatics, management science, and information technology, among others. The recent progression of Machine Learning and Artificial Intelligence are important components of Pharmaceutical Research in the current research environment. This worldwide E-conference is focused on bringing together scholars from many fields ("**natural to new**") in order to share their skills for the benefit of the community.

## **ABOUT ARKA JAIN University, India and San Pedro College Philippines**

**ARKA JAIN University**, the 1st Private University of Kolhan Region, Jharkhand, India established by the JHARKHAND, recognized by UGC is an example of excellence. The University situated 13 kms from steel city, Jamshedpur at Gamharia offers multidisciplinary programs designed in a way to shape the brilliant minds of today into socially-conscious managers, leaders and entrepreneurs of tomorrow. The use of highest-quality research-led teaching and learning methods helps students evolve and be ready for the requirements of the industry because we believe – You're one of a kind, So are WE. The University has six Schools and thirty departments. The School of Pharmacy is approved by Pharmacy Council of India, New Delhi and affiliated to ARKA JAIN University, Jharkhand. Both Undergraduate and diploma courses in pharmacy is running by the School. The School looks forward in developing a disease free Nation by initiating an integrative module of academics and research.

**San Pedro College** is a private Catholic research and coeducational basic and higher education institution run by the Dominican Sisters of the Trinity in Davao City, Davao del Sur, Philippines. It was founded in 1956. The college also administers one satellite Basic Education Campus at Ulas, Davao City. Of its seven undergraduate colleges, five offer degrees in the health sciences and also offers doctorate programs, master program in nursing, and arts.

### **RATIONALE**

To inspire and ignite young aspirants towards research.

### **OBJECTIVE**

The inclusion of emerging diseases has become more difficult to treat in recent years due to the failure of many scientifically established drugs to combat causatives against which they were previously highly effective, and also because those causatives do not respond to a single drug but also to a combination. Several factors such as global climate change, change in lifestyle, and numerous unknown factors contribute to the outbreak of emerging illnesses, posing a substantial clinical management challenge on a global scale. Nowadays, Pharmaceutical Research is devoted to developing innovative therapeutic molecules from natural and synthetic sources, as well as unique ways for resolving clinical challenges. It is crucial that everyone wakes up and works together. It is not just the responsibility of specialists in medicine or pharmaceutical sciences to overcome such clinical crises; it is also the obligation of professionals in engineering, biotechnology, bioinformatics, management science, and information technology, among others. The recent progression of Machine Learning and Artificial Intelligence are important components of Pharmaceutical Research in the current research environment. This worldwide E-conference is focused on bringing together scholars from many fields ("**natural to new**") in order to share their skills for the benefit of the community.

## **PLANNING PHASE**

The Title of the INTERNATIONAL E-CONFERENCE is “NATURAL AND NOVEL PHARMACEUTICAL RESEARCH (NNPR)” 2021 kept BY SCHOOL OF PHARMACY, ARKA JAIN UNIVERSITY And **Pharmacy Department, San Pedro College, Philippines**. Departmental notice as well as notice from Dean of School of Pharmacy, ARKA JAIN UNIVERSITY is circulated. The date of INTERNATIONAL E-CONFERENCE is scheduled from 18<sup>th</sup> -20<sup>th</sup> November 2021. The INSTITUTE AND INDUSTRY INTERACTION CELL (IIC), IQAC and MOU partners of AJU raised their hand to make the event successful. Information brochure was published and circulated to make the conference more informative. Committee decided to include Resources from Industry and academia. Resources from Industry and academia are invited to share their research experience from different parts of globe.

## **WELCOME PHASE**

INTERNATIONAL E-CONFERENCE is “NATURAL AND NOVEL PHARMACEUTICAL RESEARCH (NNPR)” 2021 being collaboratively organized by SCHOOL OF PHARMACY, ARKA JAIN UNIVERSITY And **Pharmacy Department, San Pedro College, Philippines** with eminent powerful resource persons from Industry and Academia.

Dr. Manoj Pathak, Asst. Professor, ARKA JAIN UNIVERSITY hosted the first day conference has given the welcome address.

On the first day of event with mission and vision of AJU being highlighted which was followed by welcome address of the honourable Vice Chancellor of AJU, Prof. (Dr) S.S Razi followed by lamp lightening and Saraswati Vandana which is also relayed virtually. Beam of light was being focused by the Dean, School of Pharmacy (AJU) Dr. Jyotirmaya Sahoo regarding how the research can be done better collaboratively.

**18<sup>th</sup> November 2021**

### **Inaugural session**

The inaugural ceremony of the International e-Conference on on “Natural And Novel Pharmaceutical Research (NNPR)” commenced with the lighting of lamp by a group of dignitaries - Honorable Vice chancellor Professor Dr. S. S. Razi, Registrar Mr. Jasbir Singh Dhanjal, Director Mr. Amit Kumar Shrivastav, Dean of Student Welfare Dr. Angad Tiwari, Chief Finance & Account Officer Mrs. Richa Garg, Dean, School of Health & Allied Sciences, Dr. Jyotirmaya Sahoo. The program was followed by Saraswati-Vandana. Event was Hosted by Dr. Manoj Kumar Pathak, Assistant Professor, Department of English, School of Humanities, ARKA JAIN University.

**Inauguration of International E-Conference :** A Condolences meeting was held. The meeting expressed its sorrow and grief over the sad demise of Dr. Balkishen Razadan, Birla Institute of Technology, Mesra, Ranchi, India and SBSPIBSR, Balawala, Dehradun.

Dr. S. S. Razi formally welcomed all the dignitaries present on the dais and participants from various parts of the country, colleagues & students. He mentioned about the significance of Natural & Novel Pharmaceutical Research and its aims about bringing together a core group of researchers from all across the globe.

Sr. Aida T. Frencilo, OP., President, San Pedro College, Philippines

Mr. Jasbir Singh Dhanjal described the importance of Biology and related fields and how they are interconnected from a long time. He motivated everyone to actively participate in the conference to get benefited.

Prof. Fatima May Tesoro, Dean, San Pedro College, Philippines addresses the gathering with proverb “When the winds of change blow, some people build walls and others build windmills.” The winds of change can be welcome, pushing you to a better world. She also mentioned about Socio-economic status across the border, impact of pandemic, utilization of this conference as platform for translation of knowledge in drug discovery.

Dr. Erwin M. Faller, Director, Professor, Faculty of Pharmacy, San Pedro College, Philippines acknowledges all the dignitaries of this conference. He also talked about global student mobility, internship program, research exchange etc.

Dr. Jotirmaya Sahoo, Dean, School of Pharmacy, ARKA JAIN University, Jharkhand Guest of Honour for this conference was Dr. S. G. Deshpande Former Principal, C.U Shah Collage of Pharmacy Ex-chairman, All India Board of Pharmacy Education. He talked about antibiotic resistance, targeted drug delivery system, artificial intelligence, personalised medicine regulatory authority etc.

Mr. Sumant Kumar Tiwari, Asst Director (Drugs) at Jharkhand Drugs Control Directorate, RCH Campus, Namkum, Ranchi, Jharkhand, India was Chief Guest for this conference.

In the end, Dr. Manoj Kumar Pathak offered a vote of thanks. He thanked all the invited guests and participants for gracing the occasion by their solemn presence.



### Plenary session: Day 1

The Plenary session was started by Dr. (Mrs.) Krishnapriya Mohanraj, Professor of Pharmaceutical Analysis, Bombay College of Pharmacy, Kalina, Mumbai. She has her doctoral degree on the topic, **Isolation, Characterization and evaluation of Organic Molecules of Medicinal Interest**. She delivered her talk on a researcher insight to natural and Novel Pharmaceutical research. Speaking on that she told Historically, natural products (NP) development has been a field of immense interest to medical, commercial, and scientific communities worldwide. As isolation and purification techniques advanced, NP increasingly became prime candidates for drug leads and drug discovery efforts. Their diversity characterizes them as a virtually limitless source of novel lead compounds. She further said that the NPs offer special features in comparison with conventional synthetic molecules, which confer both advantages and challenges for the drug discovery process. NPs are characterized by enormous scaffold diversity and structural complexity. She discussed about Simple and Cost-Effective Synthesis of Sulfated  $\beta$ -Cyclodextrin and Its Application, Impurity profiling and a new paradigm in CAM angiogenesis model.

Dr. Ajay Semalty, Department of Pharmaceutical Sciences, H.N.B. Garhwal (Central) University Srinagar (Garhwal) addressed about **Improving Biopharmaceutical Properties of Synthetic and Herbal Drugs in Pharmaceutical Research**. He emphasized on Lipid-based drug delivery systems have been investigated in various studies and shown their potential in controlled and targeted drug delivery. He spoke about drug delivery system for various non-steroidal anti-inflammatory drugs, proteins, cardiovascular and antineoplastic drugs. He also talked about OER, Plagiarism, MOOCs, nanotechnology etc.

Prof. Fatima May Tesoro, Dean at SAN PEDRO College, Davao del Sur, Davao Region, Philippines. She handled the third session on **Current trends in traction and screening using microwave assisted extraction and microwave assisted acid digestion**. In her talk, she said that quality analysis starts with great sample preparation, errors in chemical analysis, sample preparation for trace analysis and temperature control. She also discussed about regulatory requirements for safety assessment of herbal medicines.

Last talk of the plenary session was by Mr. Saravana Kumar, Corporate QA Head, Fourrts (India) Laboratories Pvt Ltd. Tamil Nadu, India. He is a post graduate in pharmacy, having about 25 years of experience in pharmaceutical industry, Graduated from Madurai Medical College and post graduation from BITS, Pilani. He had completed course on Quality Management from National Institute for Quality & Reliability and Advanced Program on Pharmaceutical Quality Management from NSF (UK). He delivered his talk on topic **Modern approach in Leveraging Herbal Medicines**. He explained about research on Herbal Medicines, Technology oriented approach. He highlighted several plant natural products that are either in the clinic or currently under active research and clinical development, with particular emphasis on their mechanisms of action. He also emphasized about recent efforts in developing modern multi-herb prescriptions through rigorous molecular-level investigations and standardized clinical trials. He also discussed about Emerging technologies, such as genomics and synthetic biology, are enabling new ways for discovering and utilizing the medicinal properties of plants. We are entering an exciting era where the ancient wisdom distilled into the world's traditional herbal medicines can be reinterpreted and exploited through the lens of modern science.

### **Plenary session: Day 2**

The chief Guest for second day event was Revered Ranjit Barshikar, CEO- QbD International QbD/cGMP Consulting, United Nations Adviser Geneva. He kept his session on **Current Scenario / Future challenges**. In his talk, he said that the Indian pharmaceutical industry has contributed immensely not just to Indian but to global healthcare outcomes. India continues to play a material role in manufacturing various critical, high- quality and low-cost medicines for Indian and global markets. In the current Scenario the demand of medicines is increasing day by day, so the employment in pharma sector is also rising. Followed by Dr. Nagaraj Rao, Managing Director, Rane Rao Reshamia Laboratories Pvt Ltd, Navi Mumbai, India (MOU Partner). He discussed about **Novelty in Vaccines Developed in India**.

Dr. Mona Semalty, Co-Coordinator University SWAYAM Cell, Assistant Professor, Department of Pharmaceutical Sciences, H.N.B. Garhwal (Central) University Srinagar (Garhwal) addressed about **Herbal hair growth promotion research**. She highlighted the developments in hair rejuvenation strategies and the potential of herbal drugs as safer and effective alternatives.

She also discussed about various causes for hair loss and treatments offered include both natural or synthetic products to treat the condition of hair loss (alopecia). Natural products are continuously gaining popularity mainly due to their fewer side effects and better formulation strategies for natural product extracts. Plants have been widely used for hair growth promotion since ancient times as reported in Ayurveda, Chinese and Unani systems of medicine. She also gave information about different herbs and herbal formulation that are believed to be able to reduce the rate of hair loss and at the same time stimulate new hair growth.

Fourth session was by Prof. Joseph Mari B. Querequincia, Associate Prof. Faculty, Pharmacy Department, San Pedro College, Philippines. He delivered his talk on **Pharmacognostic and hypoglycemic evaluation of Artocarpus odoratissimus Blanco (Moraceae) fruit**. He talked about Polyphenolic chemicals are found in the majority of Artocarpus plant species. Artocarpus odoratissimus Blanco is a natural plant species of the genus. Its therapeutic benefits are supported by scant scientific data. The preliminary toxicity and hypoglycemic properties of Artocarpus odoratissimus dichloromethane semi-crude fruit extract were examined in his study. He closed the seminar by stating that extract sample possess hypoglycemic activity through rodent animal models.

Last session was chaired by Dr. Ajit Kumar Thakur, Assistant Professor, Delhi Institute of Pharmaceutical Sciences and Research University on the topic **Beneficial effect of Glycyrrhiza glabra Linn. Extracts on learning & memory in Stress-Triggered Rats**. He discussed potential uses of Glycyrrhiza glabra for antitumor, antimicrobial, antiviral, anti-inflammatory, immunoregulatory, and several other activities that contribute to the recovery and protection of the nervous, alimentary, respiratory, endocrine, and cardiovascular systems. He also summarized about potential therapeutic activities and traditional uses of Glycyrrhiza glabra Linn. He showed the results of comparative effect of Glycyrrhiza glabra extracts viz. flavonoid rich (GGFE) and glycyrrhizin rich (GGGE) in stress triggered rats and to provide future research insight for this herbal drug. He explained about both extracts of Glycyrrhiza glabra (GGFE and GGGE) possess memory enhancing property in stress triggered rats. Moreover, these comparative results provided information and confirmed the high potential of GGGE in comparison to GGFE might be due to rich glycyrrhizin content present in GGGE responsible for acetylcholinesterase and antioxidant enzyme modulatory activity. He stressed on GGGE could be used as a promising lead for further mechanistic and molecular study for defining the role of glycyrrhizin of Glycyrrhiza glabra.

### Plenary session: Day 3

Session was started with address by Mr. Kaushik Desai, Secretary General, International Pharmaceutical Excipients Council of India (IPEC India). He is Secretary General with two Indian arms of International Associations namely, International Pharmaceutical Excipients Council of India (IPEC India) and Health Foods and Dietary Supplements Association of India (HADSA). He is also Advisor of Indian Pharma Manufacturers' Association (IPMMA). He delivered his talk on Natural product research, drug delivery system. He emphasized on development of soft skill, networking, and advancement of qualifications. He closed his presentation by stating that India will gain an advantage over the rest of the globe via joint efforts and an integrated strategy to research in innovative medicine delivery methods for natural products.

First Session was by Dr. Vandana B. Patravale, Professor of Pharmaceutics at the Institute of Chemical Technology, Mumbai, India. She has around 30 years of teaching and research experience. She has over 200 refereed publications with over 8277 citations (H index 46, i10 111), 20 granted patents, 22 patents in pipeline and 2 trademark registries. She has published 2 books and 25 book chapters with international publishers. Her areas of research include development of nanocarriers with major emphasis on infectious diseases, cancer and neurodegenerative disorders; medical device development, nanodiagnostics and nanovaccines. She is actively collaborating with researchers as well as industries within country and abroad and has completed Indo-Swiss, Indo-Japan, Indo-UK projects. She is executing all major grants from Indian Government focusing on product development. She has transferred about 20 technologies to industry including drug eluting stents being marketed in more than 65 countries. She delivered her talk on topic **Nanotechnology in Healthcare: From bench side to bedside**. She started her presentation with global examples of Emerging and Re-emerging Infectious diseases. She also covered about challenges to tackle drug resistance, occupational exposure, social stigma, lack of medical counter measures. She discussed about Brucellosis, formulation and characterization of Nanovaccine, Nanostructured lipid carriers-based combination therapy for cerebral malaria activity. She talked about her patent Immuno-chromographic diagnostic test based on Fluorescence Silica Nanosensors.

Second session by Prof. Erwin M. Faller, Professor, Pharmacy Department, San Pedro College on Tropical Skin Ulcer: A search for Novel Natural Products.

The last session of third day event was ended with the talk of Dr. Amber Vyas, Assistant Professor, University Institute of Pharmacy, Pandit Ravishankar Shukla University, Raipur, Chhattisgarh, India on Exploring Natural Products for Drug Discovery and Development. He spoke about Natural products have traditionally played an important role in human medicine, representing a vast pool of bioactive chemical variety and aiding in the understanding of cellular pathways, which are critical components of the drug development process. He discussed how drug discovery research must produce strong and viable lead compounds that go from a screening hit to a drug candidate by structural elucidation and structure identification via GC–MS, NMR, IR, HPLC, and HPTLC. The emergence of new technologies has transformed the screening of natural products in the search for novel medications. Utilizing these technologies allows us to conduct research in screening novel compounds using software and databases in order to establish natural products as a key source of drug discovery.

The entire three days event was inaugurated with Saraswati Vandana and Spiritual Lamp Lighting and ended with National anthem of both country. The Last day vote of thanks was given by Mr. Sumanta Sen, Associate Professor, School of Pharmacy.

### **Scientific session: Day 3**

The value of sharing knowledge as a basis for establishing trust, building collaboration and mutual understanding and avoiding conflict was emphasised as one of the most important conclusions of the conference. It was also seen as a key to accomplishing the social responsibilities, for making difficult decisions as well as cultural exchange and development of joint research activities these kind of collaborative activities are quite useful.

### **ACKNOWLEDGEMENT**

We sincerely acknowledge to Dr. Shri Roychand Chenraj-Chancellor ARKA JAIN University, Prof (Dr.) S. S. Razi- Vice Chancellor ARKA JAIN University, Mr.Amit Kumar Shrivastav- Director ARKA JAIN University, Mr. Jasbir Singh Dhanjal- Registrar ARKA JAIN University, Mrs. Richa Garg- CFO ARKA JAIN University, Members of Industry Institute Interaction Cell, Respected Program coordinators and Deans from different departments, All Teaching & Non-teaching staff

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## Poster of the Event

# International e-Conference on NATURAL & NOVEL PHARMACEUTICAL RESEARCH

Collaboratively Organised by  
School of Pharmacy ARKA JAIN University, Jharkhand, India  
& Pharmacy Department, San Pedro College, Philippines

**ARKA JAIN  
University**  
Jharkhand (Jamshepur)

**ON THE EVE OF NATIONAL PHARMACY WEEK 2021**

CHIEF GUESTS				CHIEF GUEST	EDITOR	LOCAL ORGANISING COMMITTEE
				<b>Prof. Dr. S. S. Dasgupta</b> <small>President, ARKA JAIN University, Jharkhand, India</small> <b>Sr. Aida T. Frencillo, OP</b> <small>President, San Pedro College, Philippines</small>	<b>Dr. S. S. Dasgupta</b> <small>Editor, ARKA JAIN University, Jharkhand, India</small> <b>Dr. S. S. Dasgupta</b> <small>Editor, ARKA JAIN University, Jharkhand, India</small>	<b>Dr. S. S. Dasgupta</b> <small>Editor, ARKA JAIN University, Jharkhand, India</small> <b>Dr. S. S. Dasgupta</b> <small>Editor, ARKA JAIN University, Jharkhand, India</small>
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### RESOURCE PERSONS


18TH -20TH  
NOV 2021

Submit abstract latest by  
**10TH NOVEMBER 2021**  
[siak.m@arkajainuniversity.co.in](mailto:siak.m@arkajainuniversity.co.in)

REGISTRATION DATE

28TH OCT 2021- 7TH NOV 2021  
**MR. ABHISHEK RAMJAN**  
**M.No - 9083968899**

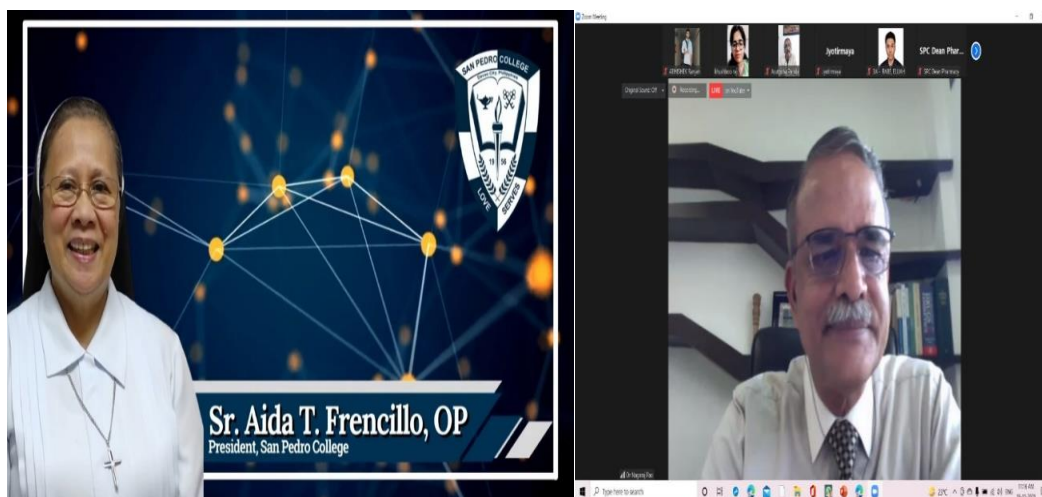
Participants will be provided with a certificate

IN ASSOCIATION WITH  
MOU PARTNERS, IQAC AND  
IQAC OF ARKA JAIN  
UNIVERSITY, JHARKHAND

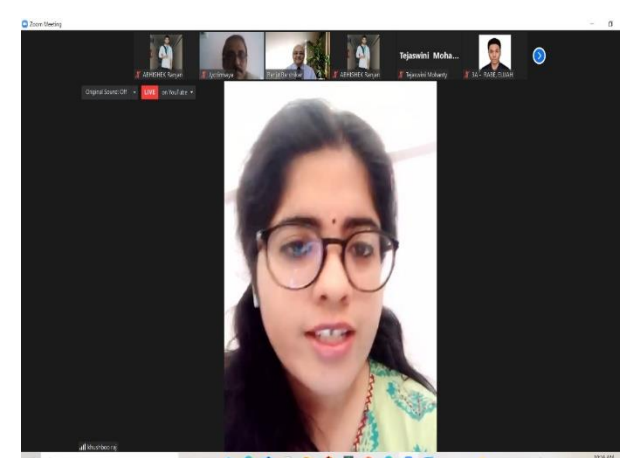
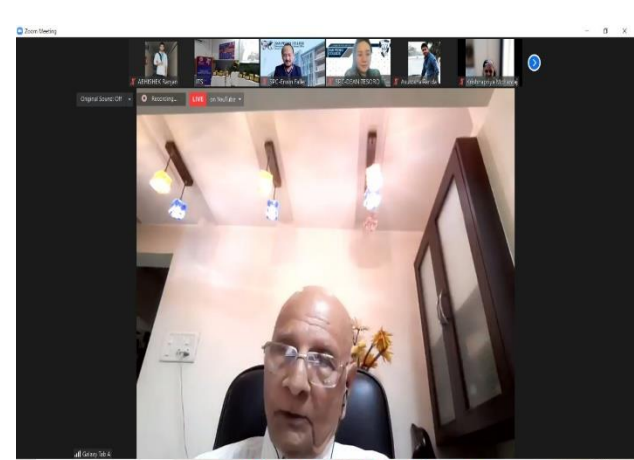
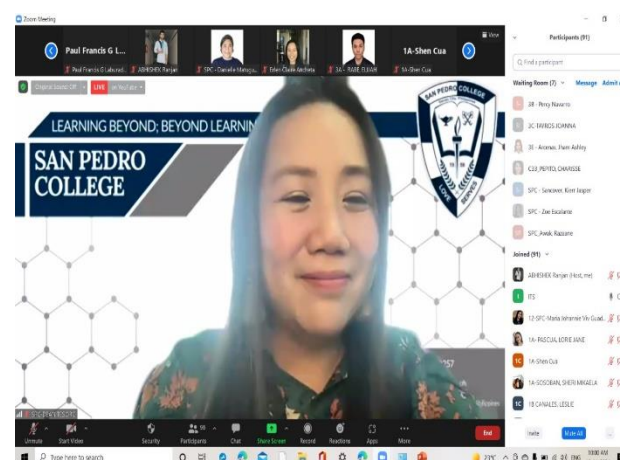
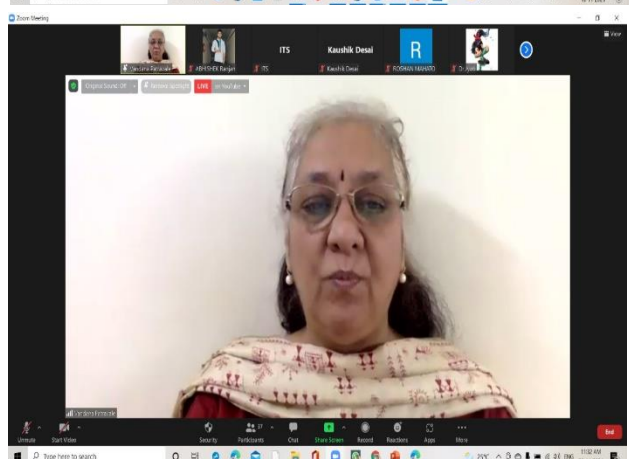
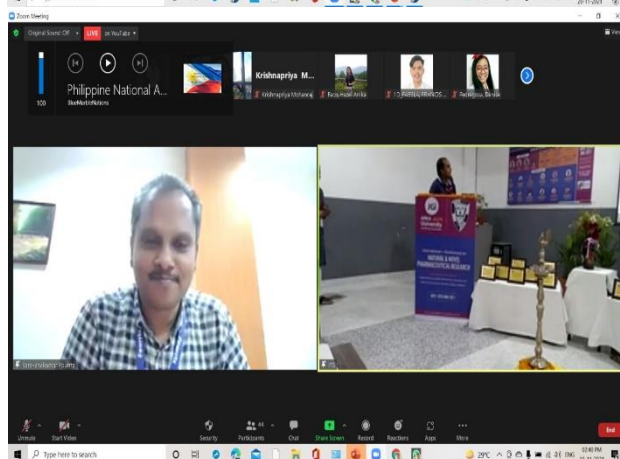
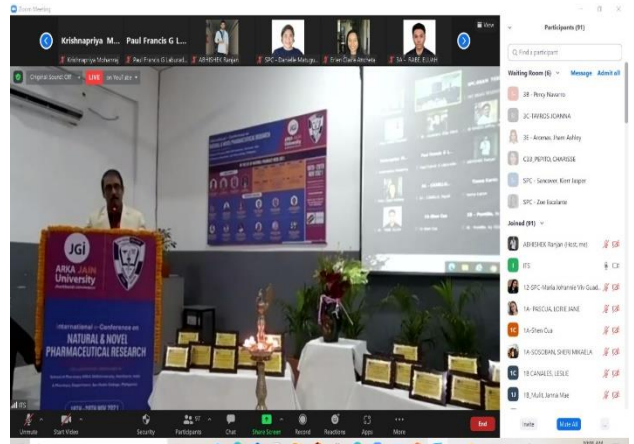
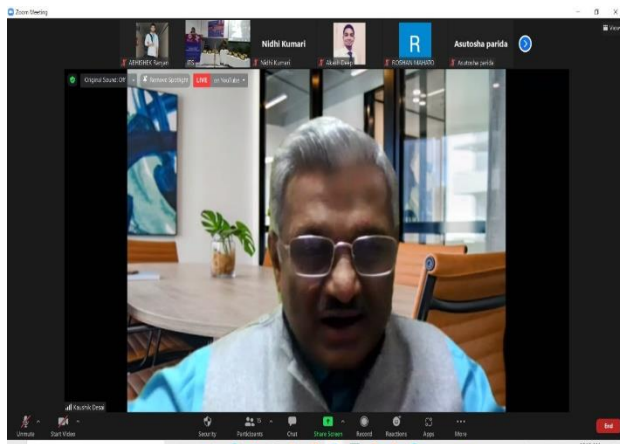
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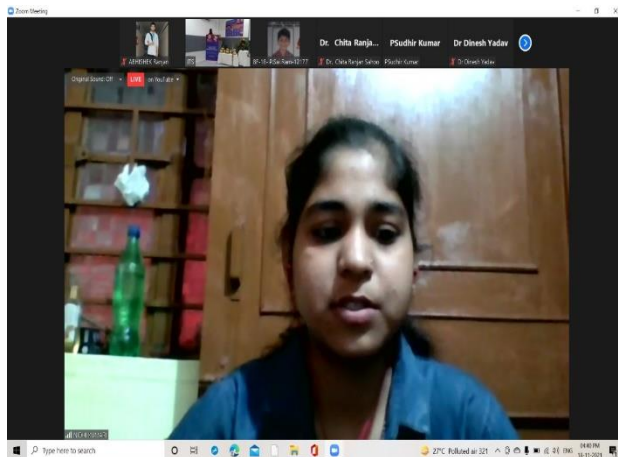
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## Photographs of the Event









## Press Release

**अरका जैन यूनिवर्सिटी. नेचुरल एंड नॉवेल फार्मास्यूटिकल रिसर्च पर अंतरराष्ट्रीय कॉन्फ्रेंस प्राकृतिक उत्पादों ने धरती पर निभायी महत्वपूर्ण भूमिका**

**लाइफ रिपोर्टर जमशेदपुर**

अरका जैन यूनिवर्सिटी के फार्मेसी विभाग ने फिलीपींस के सान पेद्रो कॉलेज के फार्मेसी विभाग के सहयोग से 'नेचुरल एंड नॉवेल फार्मास्यूटिकल रिसर्च' विषय पर तीन दिवसीय वर्चुअल इंटरनेशनल कॉन्फ्रेंस का समापन सोमवार को हो गया. इस कॉन्फ्रेंस में फार्मेसी की दुनिया की नामचीन एकेडमिक, औद्योगिक एवं प्रबंधकीय हस्तियों ने अपनी बातें रखी. इसमें करीब 500 प्रतिभागियों ने हिस्सा लिया. तीन-तीन पूर्ण अधिवेशन और तकनीकी अधिवेशनों में करीब 50 पेपर पढ़े गये. उद्घाटन सत्र में झारखंड ड्रग्स कंट्रोल डायरेक्टरेटर के सहायक निदेशक सुमंत कुमार तिवारी मुख्य अतिथि थे. जबकि सीयू शाह कॉलेज ऑफ फार्मेसी के पूर्व प्रिंसिपल डॉ एसजी देशपांडे विशिष्ट अतिथि थे. इस सत्र में कुलपति डॉ एसएस रजी,

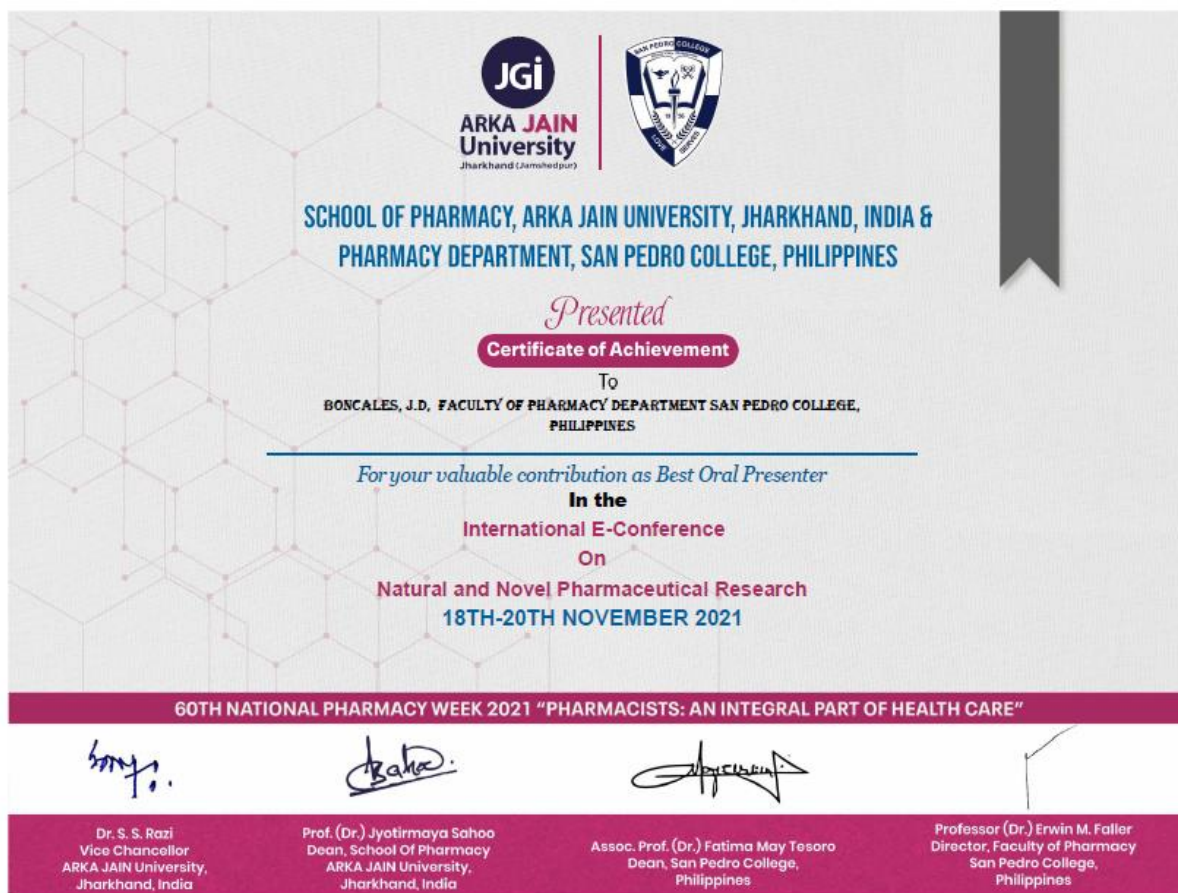
सान पेद्रो कॉलेज के प्रेसिडेंट सिस्टर एडडा फ्रेंसिलो, संकायाध्यक्ष प्रो फातिमा तेसोरो, अरका जैन विश्वविद्यालय के स्कूल ऑफ फार्मेसी के डीन डॉ ज्योतिर्मय साहू ने प्रतिभागियों को संबोधित किया. डॉ ज्योतिर्मय साहू ने कहा कि दवाओं की खोज एक चुनौतीपूर्ण वैज्ञानिक कार्य बन रहा है,

जो कि प्राकृतिक उत्पाद की स्क्रीनिंग से संभव है. कुलपति प्रो एसएस रजी ने कहा कि प्राकृतिक उत्पादों ने इस धरती पर महत्वपूर्ण भूमिका निभायी है, इसलिए मनुष्य का अस्तित्व संभव हुआ है. मुख्य अतिथि सुमंत तिवारी ने अरका जैन विश्वविद्यालय के फार्मेसी विभाग की अकादमिक गतिविधियों की प्रशंसा की.

डॉ देशपांडे ने नयी बीमारियों की बढ़ती संख्या और नये मोलेक्युल्स की खोज की जरूरत को समझते हुए प्राकृतिक वस्तुओं से निर्मित दवाओं की महत्ता को रेखांकित किया. सान पेद्रो कॉलेज के डॉ एर्विन फॉलेर ने कहा कि प्राकृतिक उत्पादों और पारंपरिक दवाओं का बहुत महत्व है. उक्त कॉन्फ्रेंस में बारह अतिथि वक्ताओं ने नेचुरल एंड नॉवेल रिसर्च पर अपने सारगर्भित वक्तव्य रखा. विशेषज्ञ वक्ताओं के रूप में डॉ कृष्णाप्रिया मोहनराज, डॉ अजय सेमल्टी, प्रो फातिमा तेसोरो, श्रवण कुमार, रंजीत वार्शिकार, डॉ नागराज राव, डॉ मोना सेमल्टी, जोसफ कुपरेक्वीन्सी, डॉ अजीत ठाकुर, डॉ वंदना पत्रवाले, डॉ एर्विन फॉलेर, डॉ अम्बर व्यास मौजूद थे. कॉन्फ्रेंस का संचालन डॉ मनोज पाठक, खुशबू राज और योगिता कुमारी ने किया और धन्यवाद ज्ञापन प्रो सुमंत सेन ने दिया.



## Certificate Awarded



## Results of Scientific Session



International e-Conference on "NATURAL & NOVEL  
PHARMACEUTICAL RESEARCH" Collaboratively  
Organized by School of Pharmacy ARKA JAIN  
University, Jharkhand, India & Pharmacy Department,  
San Pedro College, Philippines.  
Date: 18<sup>th</sup>-20<sup>th</sup> November 2021



### Best Poster Presentation

Sl No.	Name of Participants	Address	Topic
1	Dr.K.Kathiresan	Associate Professor, Department of Pharmacy, Annamalai University, Annamalai Nagar, Chidambaram, Tamil Nadu, India	Green Synthesis, Characterization and Antimicrobial Activity of Copper Nanoparticles Using Leaf Extract of LECUS ASPERA
2	Priyanka Namdeo	Lakshmi Namin College Of Pharmacy, Bhopal M.P.	Antidepressant and Behavioral Activity of Ethanolic Extract of Jasminum grandiflorum Leaves in Rats
3	Raghee Bhattacharya	School of Pharmacy, ARKA JAIN University, Gamharia, Seraikela Kharsawan, Jharkhand 832108, India	Curcuma longa an effective neutraceutical in treating ocular disorders

### Best Oral Presentation

Sl No.	Name of Participants	Address	Topic
1	Dr. Rajasekhar Reddy Poonuru Kadivendi Mounika, Neelam Datt	Department of Pharmaceutics, St. Peter's Institute of Pharmaceutical Sciences, Hanamkonda, Warangal, Telangana-506001	Formulation and evaluation of ibuprofen emulgel for topical delivery
2	Boncales, J.D. Aniero, S.N., Diezon, E.J., Dioso, S.J., Israel, Y., Kuit, A.M., Pomperada, A.N., Rubio, W.K., Santander, M.L.	Faculty of Pharmacy Department San Pedro College, Davao City, Philippines	Knowledge and perceptions on the use of traditional herbal medicines Among traditional medicine pharmacy students in a higher education Institution in Davao city
3	Ishika Choudhury Alok Kumar Moharana	School of Pharmacy, ARKA JAIN University, Gamharia, Seraikela Kharsawan, Jharkhand 832108, India	TINOSPORA CORDIFOLIA: A PLANT OF MIRACLE

Signature of Reviewer:

*P. Sudhakar Kumar*  
(Dr. P. Sudhakar Kumar)



**ARKA JAIN**  
**University**

Jharkhand (Jamshedpur)



# International e-Conference on NATURAL & NOVEL PHARMACEUTICAL RESEARCH

**Collaboratively Organised by**

School of Pharmacy ARKA JAIN University, Jharkhand, India  
& Pharmacy Department, San Pedro College, Philippines

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Former Principal, C.U Shah College of Pharmacy  
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**Revered Ranjit Barshikar**

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## DESIGN AND PROMOTION: Mr. Gourango

## LAST DATE OF ABSTRACT SUBMISSION: 10th November 2021

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## AWARDS AND CERTIFICATES

- Best Poster Presentation awards & e-certificates for each participant
- Selected Review/Research full-length article/Abstract (250 words) will be published as conference proceedings.

## OBJECTIVE

The inclusion of emerging diseases has become more difficult in recent years due to the failure of many scientifically established drugs to combat causatives against which they were previously highly effective, and also because those causatives do not respond to a single drug but also to a combination. Several factors such as global climate change, change in lifestyle, and numerous unknown factors contribute to the outbreak of emerging illnesses, posing a substantial clinical management challenge on a global scale. Nowadays, Pharmaceutical Research is devoted to developing innovative therapeutic molecules from natural and synthetic sources, as well as unique ways for resolving clinical challenges. It is crucial that everyone wakes up and works together. It is not just the responsibility of specialists in medicine or pharmaceutical sciences to overcome such clinical crises; it is also the obligation of professionals in engineering, biotechnology, bioinformatics, management science, and information technology, among others. The recent progression of Machine Learning and Artificial Intelligence are important components of Pharmaceutical Research in the current research environment. This worldwide E-conference is focused on bringing together scholars from many fields ("natural to new") in order to share their skills for the benefit of the community.

## ABOUT

ARKA JAIN University, the 1st Private University of Kolhan Region, Jharkhand, India established by the JHARKHAND, recognized by UGC is an example of excellence. The University situated 13 kms from steel city, Jamshedpur at Gamharia offers multidisciplinary programs designed in a way to shape the brilliant minds of today into socially-conscious managers, leaders and entrepreneurs of tomorrow. The use of highest-quality research-led teaching and learning methods helps students evolve and be ready for the requirements of the industry because we believe – You're one of a kind, So are WE. The University has six Schools and thirty departments. The School of Pharmacy is approved by Pharmacy Council of India, New Delhi and affiliated to ARKA JAIN University, Jharkhand. Both Undergraduate and diploma courses in pharmacy is running by the School. The School looks forward in developing a disease free Nation by initiating an integrative module of academics and research.

San Pedro College is a private Catholic research and coeducational basic and higher education institution run by the Dominican Sisters of the Trinity in Davao City, Davao del Sur, Philippines. It was founded in 1956. The college also administers one satellite Basic Education Campus at Ulas, Davao City. Of its seven undergraduate colleges, five offer degrees in the health sciences and also offers doctorate programs, master program in nursing, and arts.

## CALL FOR PAPERS

The Conference invites broad range of topics relating to Natural and Novel Research relating to health science but not limited to Pharmaceutical Sector.

### AUTHORS INSTRUCTION

Abstract should be of maximum 250 words.

Title of the Abstract/ Review Paper/ Research Article should be of maximum 30 words.

Each Abstract/ Review Paper/ Research Article should be maximum contributed by 5 authors.

Authors are instructed to submit their manuscripts as per the instruction for authors of the journal INDIAN PHARMACEUTICAL EDUCATION AND RESEARCH and should be passed in plagiarism analysis and similarity index should be less than 20%.

The reviewers committee reserves all the rights for the scrutiny of manuscripts.

Manuscripts must be submitted to the E-mail [alok.m@arkajainuniversity.ac.in](mailto:alok.m@arkajainuniversity.ac.in) before 10th November 2021.

All the selected Abstract/ Review Paper/ Research Article will be published as Conference Proceedings and copy will be provided to authors.

Template for Abstract/ Poster Presentation/ Oral Presentation is available Mr Alok Kumar Moharana, Phone 8917451102, E-mail [alok.m@arkajainuniversity.ac.in](mailto:alok.m@arkajainuniversity.ac.in)





# EMINENT RESOURCE PERSONS

INAUGURAL SESSION					
Welcome Address by Dr Manoj Pathak, Asst. Professor, School of Pharmacy ARKA JAIN University, Jharkhand, India					9:20-9:30 am
Saraswati Vandana & Spiritual Lamp lighting					9:30-9:35 am
A condolences Meeting for 1 minute in the demise of Dr. Balkishen Razadan, Birla Institute of Technology, Mesra, Ranchi, India ad SBSPIBSR, Balawala, Dehradun					9:35-9:36 am
Address by Hon. VC Dr. S.S. Razi of ARKA JAIN University, Jharkhand, India					9:40-9:45 am
Address by Hon. President Sr. Aida T. Frencilo, OP of San Pedro College, Philippines					9:45-9:50 am
Address by Prof. Fatima May Tesoro, Dean of San Pedro College Philippines					9:55-10:10 am
Address by Prof. (Dr.) Jyotirmaya Sahoo, Dean of School of Pharmacy ARKA JAIN University, Jharkhand, India					10:15-10:25 am
Address by Mr. Sumant Kumar Tiwari (Chief Guest ) Asst Director ( Drugs ) at Jharkhand Drugs Control Directorate, RCH Campus, Namkum, Ranchi, Jharkhand, India					10:30-10:40 am
Address by Dr. S. G. Deshpande (Guest of Honor) Former Principal, C.U Shah College of Pharmacy Ex-chairman, All India Board of Pharmacy Education					10:45-11:00 am
PLENARY SESSION					
Sl. No.	Name	Affiliation		Topic Title	Time
18th Nov 2021					
1	Dr. (Mrs.) Krishnapriya Mohanraj	Prof. of Pharmaceutical Analysis Bombay College of Pharmacy Kalina, Mumbai	Keynote speaker	A Researcher's insight to Natural & Novel Pharmaceutical Research	11:05 am-11:50 am 45 min
2	Dr. Ajay Semalty	Dept. of Pharmaceutical Sciences, HNB Garhwal University (A Central University) Srinagar Garhwal, Uttarakhand, India	Speaker	Improving Biopharmaceutical Properties of Synthetic and Herbal Drugs in Pharmaceutical Research	11:55-12:40 pm 45 min
3	Prof Fatima May R. Tesoro	Dean, Pharmacy Department, San Pedro College, Philippines	Speaker	Current Trends in Extraction & Screening using Microwave Assisted Extraction & Microwave Assisted Acid Digestion	12:45 -1:30 pm 45 min
4	Mr. Saravana Kumar	Corporate QA Head Fourrts (India) Laboratories Pvt Ltd. Tamil Nadu. India	Speaker	Modern Approach in Leveraging Herbal Medicines	1:35-2:20 pm 45 min
Vote of thanks & National anthem					
Lunch Break 2:25 -3:15 pm					
Scientific Session (Oral and Poster Presentation) 3:15 pm-4:15 pm					

19th Nov 2021 Chairing of Session:					
Plenary Session					
6	Revered Ranjit Barshikar (Chief Guest & Speaker)	CEO- QbD International QbD/cGMP Consulting, United Nations Adviser Geneva	Speaker	Current Scenario / Future challenges	10:15-11:00 am 45 min
7	Dr. Nagaraj Rao	Managing Director Rane Rao Reshamia Laboratories Pvt Ltd Navi Mumbai, India (MOU Partner)	Speaker	Novelty in Vaccines Developed in India	11:05-11:50 am 45 min
8	Dr. Mona Semalty	Co-Coordinator University SWAYAM Cell Assistant Professor, Department of Pharmaceutical Sciences H.N.B. Garhwal (Central) University Srinagar (Garhwal)- 246174,	Speaker	Herbal Hair Growth Promotion Research	11:55 am-12:40 pm 45 min
9	Prof. Joseph Querequincia	Asst. Prof. Faculty, Pharmacy Dept., San Pedro College, Philippines	Speaker	Pharmacognostic & hypoglycemic evaluation of Artocarpus odoratissimus Blanco (Moraceae) fruit	12:45-1:30 pm 45 min
10	Dr. Ajit Kumar Thakur	School of Pharmaceutical Sciences Delhi Pharmaceutical Sciences & Research University New Delhi, India	Speaker	"Beneficial effects of Glycyrrhizin rich Glycyrrhiza glabra Linn. Extract on Learning & Memory in Stress-Triggered Rats"	1:35-2:20 pm 45 min
Vote of thanks & National anthem					
Lunch Break 2:35 -3:15 pm					
Scientific Session (Oral and Poster Presentation) 3:15 pm-4:15 pm					
20th Nov 2021					
Address by Kaushik Desai (Chief Guest) Secretary General, International Pharmaceutical Excipients Council of India (IPEC India) 10:15-10:25 am					
Plenary Session					
11	Prof. Dr. (Mrs.) Vandana B. Patravale	Dept. of Pharmaceutical Sciences & Technology Institute of Chemical Technology Mumbai, Maharashtra, India	Speaker	Nanotechnology in healthcare: From Bench side to bedside	10:30 -11:15 am 45 min
12	Dr. Erwin M. Faller	Professor, Faculty of Pharmacy San Pedro College, Philippines	Speaker	A Novel Chitosan Loaded Bacteriophage as Antibacterial Gel Against Fusobacterium ulcerans for the Treatment of Tropical Skin Ulcer	11:20am-12:05 pm 45 min
13	Dr. Amber Vyas	Assistant Professor University Institute of Pharmacy Pandit Ravishankar Shukla University Raipur Chhattisgarh, India	Speaker	Exploring Natural Products for Drug Discovery & Development	12:10 -12:55 pm 45 min
Valedictory of E-Int. Conf.					
Vote of thanks & National anthem					
Scientific Session (Oral and Poster Presentation) 3:00 pm-4:15 pm					