

## CONFERENCE AND SEMINARS

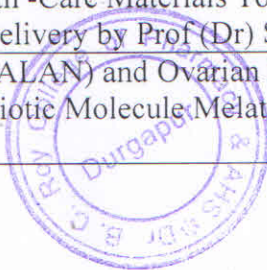
Networking is an important part of any individual life. In Seminar, Conference and workshops students and teachers from different institutions take part. Meeting new people and making new friends can help the student to take guidance and encourage new way of thinking. If a student wants to continue his or her career in scientific research, then meeting people related to it in conferences can be very beneficial as there are many academician, scientists, researchers and students who attend these conferences. Dr. B. C. Roy College of Pharmacy and AHS organize conference and seminars to acquire Knowledge in a Particular Field and provide a chance to interact with experts from the specific field. Discussing about the relevant topics of the particular subject, students tend to learn about the latest information and new skills related to the concerned subject.

### 2019-2020

1	Patents in Pharmaceutical Industry	06.06.2020
2	Management protocol of Covid19: Govt. of West Bengal	13.06.2020
3	Opportunities for Indian Pharmaceutical Industries in the Aftermath of Covid19	20.06.2020
4	Importance of Key Skill Upgradation in Post Pandemic World of Pharmaceutical Industry	27.06.2020
5	Protein Cages: Opportunities and Application Post Covid19	07.06.2020

### 2018-2019

1	Scope of Pharmacy Profession in the Pharmaceutical Industry by Mr. Bedadyuti Chakraborty	13.10.2018
2	Key Concern and Consideration in Pharmaceutical Sciences and Technology : South -East Asian Perspective(Two Day International Seminar)	
3	Succeeding Skin Drug Delivery by Microwave and Nanotechnology - A Case with Malignant Melanoma by Dr.Tin Wui Wong	
4	Emerging Dimension in Manufacturing Science & Technology by Dr.Sampad Bhattacharya	
5	Clinical Pharmacy Services to Bridge the Pharmaceutical care Gap by Prof Santanu K Tripathi	04.02.2019 - 05.02.2019
6	Development and Scope of Pharmacy Profession by Dr. Rao VSV Vadlamudi	
7	Why Guar Gum is a must in Italian ice cream?Understand a Polysachaccharide self Assembly for Pinpoint Application by Dr. Arup Mukherjee	
8	Recent Advances in Health -Care Materials Towards Tissue Regeneration and Drug Delivery by Prof (Dr) Santanu Dhara	
9	Artificial Light at Night (ALAN) and Ovarian Dysfunction :The Role of the Chronobiotic Molecule Melatonin by Dr Asamanjo Chattaraj	02.03.2019



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*14/1/19*  
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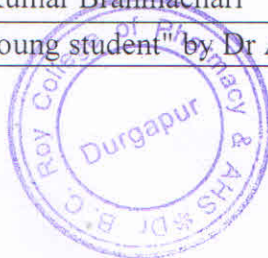
10	Current Research in Medicinal Plants -Global Trends and Indian Scenerion (Two Day National Seminar)	
11	"Conservation and Management of Medicinal Plants in West Bengal Through Market linkages and strategies thereof " by Dr J.T. Mathewa	
12	"Medicinal and Ecological Aspects of Aromatic Plants" by Dr. V. S Pragadhsdshesh	
13	Chemistry and Bioassay of Extract & Isolation of compund from medicinal Plants by Dr. Deepak Kumar	
14	Medicinal Plant -Their Importance and Strategy for Sustainable uses by Dr. S.K Gupta	28.03.2019 - 29.03.2019
15	Identification and uses of Medicinal Plants , Hravesting, Post Hravesting , Pest Disease Control Technology as per Good agriculture Practices (GAP) and Marketing by Dr. S.K. Gupta	
16	Good Agriculture and Collection Practices of Medicinal Plants by Mr. Nirmal Saha	
17	Antimicrobial Potentialities of Plant Production : Natural sources maybe the final answers for developing antimicrobials by Dr. sujata Ghosh Dastidar	
18	Application potential of plant bio - molecule and Developement of unique tumoricidal molecule by Dr. Samir Kr Dutta	04.06.2019
19	B.Pharm Curriculum with relation to relation to various Pharmaceutical jobs by Mr. Debabrata Ghosh	08.07.2019
20	History of Pharmacy education in India by Mr.Prabir Ghosh	
21	Career in Biotechnology and Life Scinces -Prospect & future perspective by Mr. Kunal Vora	09.07.2019

**2017-2018**

1	cGMP and Current Practices in Pharmaceutical Industry by Mr. Bhuban Ganguly	07.04.2018
2	Pharmacovigilence by Anjan Adhikary	11.04.2018
3	Regulatory Environment In India by Dr.G.P Srivastava	12.04.2018
4	Interactive Session on Quality Control and Qualilty Assurance by Mr. Debabrata Ghosh	13.04.2018

**2016-2017**

1	"Crowd Sourcing Innovation for Real World Issue Present in India" By Prof. Samir Kumar Brahmachari	08.03.2017
2	" Research Ethics for Young student" by Dr Anthony Gomes	05.04.2017



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## **BCRCPiCON-2019**

4-5th February, 2019

Organised by

**Dr. B.C. Roy College of Pharmacy & Allied Health Sciences  
Durgapur-713206, WB, India**

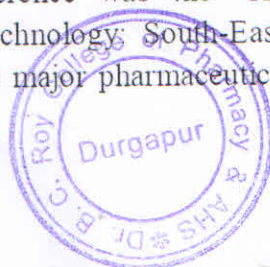
On

**Key Concerns and Considerations in Pharmaceutical Sciences  
and Technology: South-East Asian Perspective**

**Introduction:** A two-day International Conference "BCRCPiCON-2019" was organised by Dr. B. C. Roy College of Pharmacy and Allied Health Sciences, Durgapur, a leading Pharmacy College of Eastern India on 4<sup>th</sup> and 5<sup>th</sup> February, 2019. The inaugural session was held on 4<sup>th</sup> February at DulalMitra Memorial Auditorium (built in commemoration of the solemn memories of late Mr. DulalMitra, the First President of Dr. B. C. Roy Engineering college Society) of Dr. B. C. Roy Engineering College campus and the proceedings of the second day was accommodated at Dr. B. C. Roy College of Pharmacy and Allied Health Sciences premises.

The objective of the conference was to extend the awareness of contemporary burning issues of Pharmaceutical world and to brainstorm on the various challenges regarding health care issues in South-East Asian region. BCRCPiCON-2019 was a summit of the leading academicians, scientists, pharmaceutical technologists and industry personnel of National and International repute where they exchanged their ideas and expertise regarding the challenges of pharmaceutical world. The conference was mentored and supported by various luminaries of variegated fields. Even Hon'ble Governor, Government of West Bengal; Hon'ble Minister-in-Charge, Department of Higher Education, School Education, Parliamentary Affairs, Government of West Bengal Dr. ParthaChatterjee; Chairman, AICTE, Prof. Anil D. Sahasrabudhe; Hon'ble Vice Chancellor, Maulana Abul Kalam Azad University of Technology, West Bengal, Dr. SaikatMaitra; Director, Directorate of Technical Education, Government of West Bengal, Dr. AmalenduBasu sent their blessings and best wishes for the successful completion of the conference. It was a huge gathering as twenty three colleges from different nook and corner of the country like BIT Mesra, Jharkhand, Himalayan Pharmacy Institute, Rangpo, East Sikkim, SardarBhagwan Singh P.G. Institute of biomedical Sciences and Research, Dehradun, Uttar Pradesh, Delhi Pharmaceutical Sciences and research University, Delhi participated in this gala event. The revered Directors and Principals of various colleges were also present to make the occasion memorable and prolific. Even the distinguished faculty members from both Calcutta University and Jadavpur University were the guests of the occasion. This was the maiden endeavour of Dr. B.C. Roy College of Pharmacy and Allied Health Sciences to undertake such a gigantic task under its tutelage.

**Topic:** The topic of the conference was the "Key Concerns and Considerations in Pharmaceutical Sciences and technology: South-East Asian Perspective". The conference aspired to delineate some of the major pharmaceutical dimensions of the South-East Asian



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countries. The topic is very relevant one as both the communicable and non-communicable diseases have created nightmares among the common people and indirectly the situation has thrown challenges to the pharmacists and the medical practitioners. According to WHO (World Health Organisation) the epidemic disease like HIV/ AIDS still remains a major public health concern in the South-East Asian region. Drug delivery also has much relevance now-a-days to the pharmaceutical technologists. Moreover, the conflict between the drug resistance and counterfeit drugs makes the situation worse. Immediately, increasing importance needs to be put on some special efforts towards reducing antibiotic resistance. The Conference pointed out some extremely sensitive issues and sought answers to those already alarming health related issues.

**Proceedings:** The conference started at 10:30 a.m. at Mr. Dulal Mitra Auditorium with a mellifluous Sanskrit Vedic chanting. Esteemed dignitaries and various stalwarts of Pharmaceutical world delivered their thought-provoking presentations to enlighten almost six hundred budding pharmaceutical technologists present in the auditorium. Honourable Vice



Chancellor of Maulana Abul Kalam Azad University of Technology Prof. (Dr.) Saikat Maitra was present to grace the occasion. He inaugurated the programme and made everyone mesmerised by his thought-provoking presentation. He argued about the scope and challenges the pharmaceutical technologists face now-a-days. He emphasised on the research and application of new drugs to the common people. As India is a developing country, most of the people live below poverty level. So, it is a challenge to the pharmaceutical technologists to discover low-cost new drugs for these people.

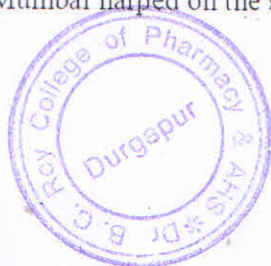
Mr. Deepnath Roychowdhury, National President, Indian Drug Manufacturers' Association emphasised on clinical pharmacy services to bridge the pharmaceutical care gap. He argued that prescribing medicine to a particular patient is very important. It is not only limited to scribble down some names of drugs, but, it is much more than this.



Dr. Satyajit Bose, Chairman, The Mission Hospital, Durgapur narrated on the immediate collaboration of prolific research and successful marketing of the drugs. He motivated the students of Pharmaceutical Sciences as well as doctors to go hand in hand because production of medicine and application of those medicines go parallel.



Mr. L.K. Pradhan, Head, Technical Training, Macleods Pharmaceuticals Ltd., Mumbai harped on the same tune.



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Internationally acclaimed academician Professor (Dr.) Tin Wui Wong, Professor, Faculty of



Pharmacy, UiTMPuncakAlam Campus, Malayasiawas the Key Note speaker. He brought forth some very interesting aspects of the skin drug delivery by microwave and nanotechnology. According to research malignant melanoma is observed in 132,000 cases across the globe every year due to exposure to ultraviolet radiations in sunlight. Malignant melanoma has a high mortality rate. Medical practitioners generally suggest removal of the malignant tumour along with some tropical treatment with some chemotherapeutics like 5-fluorouracil, ingenolmebutate, interferon and imiquimod. In combination with imiquimod, 5-fluorouracil exhibits a synergistic therapeutic against the melanoma clinically. 5-fluorouracil has been used for a long time to treat various skin cancers, but, its polar nature restricts its effectiveness due to poor penetration in skin layers. The skin penetration and retention capacity of drug from topical formulations such as 5-fluorouracil lotions, creams and solutions are challenged by the presence of stratum corneum, the primary penetration barrier. Local malignant melanoma requires enhanced intracellular drug delivery, maximal skin drug deposition and reduced drug permeation into the systematic circulation. This presentation highlights the use of nanotechnology and microwave as penetration enhancers for skin delivery of 5-fluorouracil. Following his speech, there was a wonderful interactive session where the audience interacted with the speaker clarifying their doubts and asking interesting questions.

Dr. Sampad Bhattacharya, Former Senior Vice-President, Sun Global Operation & Head of



Global Manufacturing Science & Technology, Gujrat also enlightened the audience about the emerging dimensions in manufacturing science and technology. According to him, over the years, the decade-old paradigms of pharmaceutical and bio-pharmaceutical have changed dramatically as regulators, industry, and pharmaceutical scientists already have started to realise that the pharmaceutical products cannot be produced by the old and outdated technology as the new products are more complicated. In Pharmaceutical Science and Technology, Manufacturing Science and Technology is a new area of interest. With the emergence of increasing proportion of high potents (ultra-low-dose), poorly soluble APIs, having poor bio-availability requiring complex unit operations are essential for commercialisation of drug.

Dr. V. S. V. VadlamudiRao, President, Commonwealth Pharmaceutical Association, brought



forth the significance of industry and institute partnership. He highlighted the fact that the drugs, produced by the researchers need proper commercialisation. India is a large market and it can be the exporter of huge medicines to the South-East Asia and Arabic countries. But, problem lies with our mindset that some of the experts console themselves by making their inventions restricted to the pen and paper. This scenario should be changed.



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Prof. (Dr.) Santanu Tripathy, Professor, Calcutta School of Tropical Medicine, Kolkata India, orated on the facet of joint venture between pharmaceutical scientists and clinical practitioners. He addressed that only physicians are authorised to prescribe medicine which is not sufficient as the medicines are produced by the Pharmaceutical technologists. Pharmacists in India, till date, are mostly oriented to pursue a career in different sphere of the pharmaceutical industry, in academics, in research ad in drug dilatory departments in both Private and public sectors. Besides, they also dispense medicines to the private retail pharmacies of Govt Pharmacies. On the other hand, pharmacists in abroad, extend important professional services in optimising patient care. We hardly come across such cases in India. Therefore, Clinical Pharmacy can be a scope for the graduates of Pharmacy world which can open up a new dimension to their career.

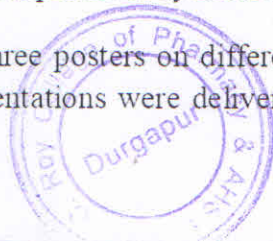


The second day's proceedings took place at Dr. B.C. Roy College of Pharmacy and Allied Health Sciences premises. With the presentation of Prof. (Dr.) Arup Mukherjee, UGC Professor, Department of Biotechnology, Maulana Abul Kalam Azad University of Technology, West Bengal, the session was started. His topic was Guar Gum and the various uses of it. Guar Gum is a very widely used non-food bio-polymer available from the seeds of *Cyamopsis tetragonolobus*. It is used in extracting petroleum oil as fracking fluid, in explosives as binders, in cosmetics as hair conditioners, in food as mouth filling agents, and in pharmaceuticals as tablet binders and as colon specific drug delivery. The structural vagary of Guar Gum in water environment is decipherable. Therefore, In Italy, Guar Gum is a must in Ice-creams.



Prof. (Dr.) Shantanu Dhara, Professor, Medical Science and Technology, Indian Institute of Technology, Kharagpur delineated the tissue engineering aspect of Pharmaceutics. His presentation was on recent advances in health-care materials towards tissue regeneration and drug delivery. He emphasised on product development research based on fundamental understanding of cell material interactions and in vivo response. Among various biometrical aspects, strategies for development of customised implant through various top-down and bottom-up fabrications were highlighted. He discussed about development of permanent implant for rehabilitation and biodegradable implants for tissue regeneration. Metal and ceramic based permanent implants like mandible, dental crown, and cortical bone are manufactured by near net shape fabrication. He suggested different dimension of researches to the budding researchers. According to him, bio- activation/ surface modification of implants for biological fixation may be an important area of research. Anyone can also research under regenerative medicine approach on biodegradable/bioactive materials with nano-micro architecture for skin, bone and cartilage tissue engineering. In this approach biodegradation, swelling properties, and pore interconnectivity of the scaffolds are tailored to mimic the native tissue for development of synthetic extracellular matrix.

Total one hundred and fifty three posters on different issues were presented in the session. Besides, twenty one oral presentations were delivered by delegates from different colleges.



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Every outstanding performance was felicitated with medals and merit certificates. Besides, every delegate was provided with a certificate of participation.

The first International Conference as a whole was a grand success which untied various tangles which kept tickling in people's minds. Simultaneously, this conference provided the vigour and motivation to go for another of its kind in near future for the sake of sustainable development in the field of research and successful marketing.



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Prof. Dr. Tin Wui Wong, UiTM, Malaysia



Prof. Dr. Santanu Tripathy, School of Tropical Medicine, Kolkata



Dr. Amalendu Basu, DTE, Govt. of WB



Prof. Dr. Arup Mukherjee, MAKAUT



Prof. Dr. Santanu Dhara, IIT KGP



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