



K.R. MANGALAM UNIVERSITY
THE COMPLETE WORLD OF EDUCATION

Report on

Drug Repurposing -A New Ray to overcome COVID 19 Disaster
1st National Conferences on Clinical Pharmacy

Target Group: Pharmacy students as well as professionals from Industry, Research and Academics from all over the world.

Resource Person:

1. **Sh. B. R. Sikri**, Director ABS Mercantiles (P) LTD., Chairman, C11 Committee Life Sciences and Biotech.
2. **Dr. Atul Kumar Nasa**, President, IPGA, Head Drug Control Department, Government of NCT, Delhi.
3. **Prof. Dr. Dinesh Singh**, Chancellor, K. R. Mangalam University.
4. **Dr. Arun Garg**, Dean SMAS & General Secretary, IPGA
5. **Prof. Dr. Chandra Shekhar Dubey**, Vice-Chancellor, K. R. Mangalam University.
6. **Prof. Dr. P. Tripathi**, Pro Vice-Chancellor, K. R. Mangalam University.
7. **Dr. S. Eswara Reddy**, Joint Drug Controller (India)
8. **Prof. Dr. Ashok Rattan**, MD, MAMS, commonwealth fellow, INSA DFG Fellow, ex-WHO Temporary Advisor (searo) ,ex-WHO lab director (CAREC/PAHO)
9. **Dr. Rakesh Sharma**, Ex- DIRECTOR, DRDO, Mysore,
10. **Dr. Sandeep Sharma**, Executive Quality Assurance Torrent Pharmaceuticals Ltd.
11. **Dr. Dheeraj Kaul**, Board Certified in Internal Medicine and Geriatric Medicine, USA.

Coordinators: Dr. Manish Pal Singh, Assoc. Professor, SMAS, KRMU

Date and Time: Friday, 29th April 2022, 09:00 am.

Venue: K.R. Mangalam World School, Gurugram, Haryana.

Introduction

combination, arbidol and tocilizumab have been used during the pandemic based on clinical studies done on COVID-19 patients on compassionate grounds. New oral anti-viral drug molnupiravir, nirmatrelvir, etc. were also found to be effective in COVID-19 treatment.

Clinical Pharmacology: The field of Clinical Pharmacology explores and identifies the relationship between humans and drugs. The areas of Clinical Pharmacology include:

- Drug discovery and evaluation
- Therapeutic use of medicines
- Indications of OTC drugs
- Prevention of drug interactions and adverse events
- Detection of pharmacotherapy related problems such as improper usage, underdosing or overdosing, etc.
- Cost-effective use of drugs.

Abstract Submission and Poster Presentation:

Organizing Committee of School of Medical & Allied Sciences invited the submission of abstract for poster presentation in area of pharmacy and regulatory R & D sector. There were around **200 posters** received from all over the India. Selected articles are in process of publication in **SCOPUS indexed journals/ Books**, subjected to independent satisfied peer review reports. All accepted abstracts were published in the Souvenir/Abstract book, and was released during inaugural ceremony. **Best posters** were awarded in the ceremony.

Insights of Event

- Inaugural session of saraswati vandana with lighting lamp by **Mr. Abhishek Gupta**, Chairman KRMU, and Speakers and Delegates (**Photo 1**).
- **Dr. S. Eswara Reddy Joint drug controller (India)** addresses on drug repurposing as a viable treatment option which has emerged as an effective and economical solution in limited time and resources. Also, he explained his experience with COVID regarding use of older drugs which further augments the importance of this conference. In the beginning, people suffered due to the absence of efficacious drugs required to treat severely ill patients. Nevertheless, still, there are no established therapeutic molecules

- **Dr. Atul Kumar Nasa**, President, IPGA, Head Drug Control Department, Government of NCT, Delhi had a talk on research and application in the area of Drug Repurposing being deliberated during this conference will offer insight into the knowledge and skills required by the students and young professionals My advice for all the delegates and participants of the conference is to spread the knowledge that you would gain from all the experts within the community, so that the benefit of this confluence can reach far and wide. Looking forward to a fruitful exchange of experiences and ideas (**Photo 3**).
- **Dr. Arun Garg**, Dean SMAS & General Secretary, IPGA In keeping with the principles of research excellence, we are proud to host the first National conference on Clinical Pharmacology with the theme 'Drug Repurposing- A new ray to overcome COVID-19 disaster.
- **Prof. Dr. P. Tripathi**, Pro Vice Chancellor, KRMU Keeping this in mind, it is commendable that the School of Medical and Allied Sciences has received funding from the Department of Science and Technology (DST) - Science and Engineering Research Board (SERB), Government of India for conducting a National Conference on Clinical Pharmacology. A conference is a confluence of minds, and it is through this meeting of intellect that ideas and innovations can merge with applicability. This National conference would serve to enhance the knowledge of students, faculty members as well as professionals. The theme of Drug Repurposing, being very topical in relation to COVID-19, is also extremely beneficial for enhancing the application based concepts of the attendees. I wish all the participants the best and extend my heartiest congratulations to the School of Medical and Allied Sciences.
- **Prof. Dr. Chandra Shekhar Dubey**, Vice Chancellor, KRMU with the commitment to work through its social outreach programs and research in acute severe respiratory syndrome Coronavirus 2 (SARS-CoV-2) COVID 2019. Its newer variants highlight an immediate necessity chemotherapeutic drug repurposing plan to end COVID syndrome School of Medical and Allied Sciences, K R Mangalam University has promptly initiated this National Conference on clinical pharmacology for Drug repurposing for selection of approved therapeutics for new use being the most effective drug finding strategy since it includes less time and cost to obtain treatment compared to the newer drug acquisition

discussed that challenges encountered during repurposing of methylene blue in COVID era and what is the rationale behind choosing it, problems with conventional therapy and outcomes which gives future direction for randomized clinical trials highlighting various uses.

- **Dr. Dheeraj Kaul**, Board Certified in Internal Medicine and Geriatric Medicine, USA, explained the meaning of Drug Repurposing as well as there is a regimen to inculcate the medicines and other therapies, the drugs that should only be given to the severely affected patients were given to the patients with mild symptoms as well which impacted the immunity in a very degrading manner. Because of lack of knowledge about the use of herbal products, it led to long lasting unwanted symptoms like fibroids which led to difficulty in breathing. Therefore, to avoid these circumstances, repurposed drugs plays an important role which will directly treat the disease without such unwanted side-effects because the benefits as well as side effects of these drugs are already well known.
- All the delegates and participants on a common platform (**Photo 7**).
- Awards representation for the Researcher, Organising Secretary, and virtuous faculty member (**Photo 8**).
- The team and family of SMAS (**Photo 9**).

Attendees

Professionals from Hospital Pharmacy, Community Pharmacy, Clinical Pharmacy, Industry, Research, Academics, Regulatory and the other sectors of Pharmacy profession on a common platform.

Activity Outcome

The focus of the event was to give attention and spread awareness regarding repurposing/retesting/repositioning of drugs that offers an alternative to new drug discovery, and which had given us a new hope for solving the pandemic COVID-19 problems.

Conclusion



Photo 2: Inaugural session of Abstracts for poster presentations.

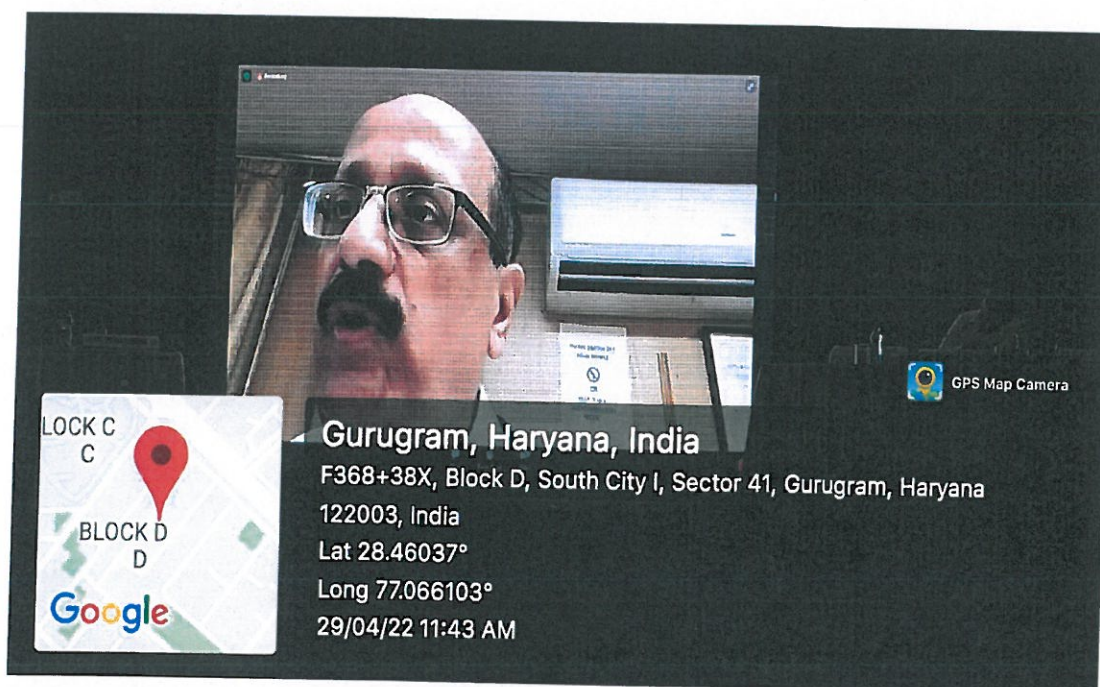


Photo 3: Dr. Atul Kumar Nasa had a talk on research and application in the area of Drug Repurposing.

key note address on the theme “Discovery and Development of specific, oral anti COVID 19 Drugs “.

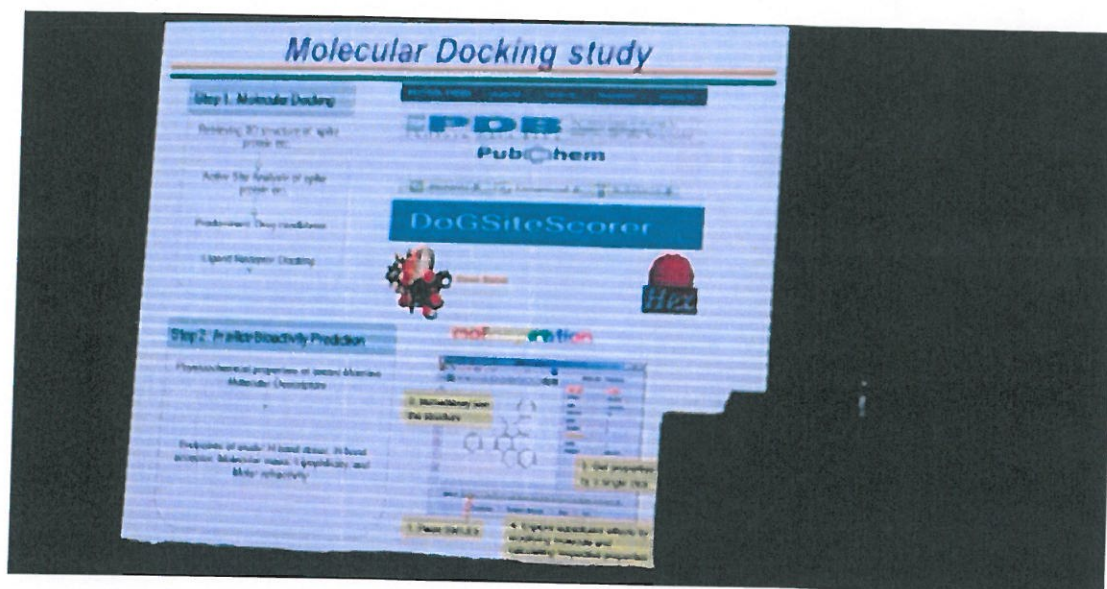


Photo 6: Dr. Rakesh Sharma, Ex- Director, DRDO, Mysore, in his presentation explained about repurposing of 2-Deoxy-D-glucose (2-DG) during treatment of COVID 19.



Photo 7: All the delegates and participants on a common platform.

Convener of Event:

A handwritten signature in blue ink, appearing to read 'Arun Garg', written in a cursive style.

Prof. (Dr.) Arun Garg

Dean

School of Medical & Allied Sciences