

Webinar on Data Analytic Tools for Pharmaceutical & Chemical Sciences Researchers

The image shows a promotional poster for a webinar on the left and a screenshot of the Zoom meeting on the right. The poster includes the following text:

- Data Analytic Tools for Pharmaceutical and Chemical Sciences Researchers**
- Webinar 1**
- Date: 10 March 2021
- Time: 10:30 AM to 11:30 AM
- E-certificates will be provided to all participants.
- Registration via QR Code Or TinyURL: <https://tinyurl.com/2k4n5h>
- Last Date for Registration: 9th March 2021
- Dr. MANDAR BODAS**, Solution Consultant, Elsevier Pharma & Life Sciences Solutions
- RDC & SPST**
Research Degree Committee & School of Pharmaceutical Sciences & Technology
SARDAR BHAGWAN SINGH UNIVERSITY, DEHRADUN
- For Queries: Whatsapp Tiny URL/QR Code: <https://tinyurl.com/tada713n>
- Inauguration by:** Prof. R. K. Singh, Vice Chancellor
- Organizing Committee:** Prof. Veerma Ram (Director, SPST), Prof. Vikas Anand (Secretary, RDC), Dr. Santosh Kumar Karn (Moderator), Mr. Vishal Warikoo (Technical Support)

The Zoom meeting screenshot shows a large audience of participants in a virtual room, with a Zoom logo and a 'LIVE' indicator visible.

Research Degree Committee and School of Pharmaceutical Sciences and Technology, Sardar Bhagwan Singh University, Dehradun organized a webinar on the theme “Data Analytic Tools for Pharmaceutical and Chemical Sciences Researchers” on 10th March, 2021. The Program was organized under the esteemed guidance of Shri. S. P. Singh (Chancellor) and Dr. Gaurav Deep Singh (Member Secretary, Board of Governors). On this occasion Dr. Mandar Bodas (Solution Consultant, Elsevier Pharma & Life Sciences Solutions) delivered a lecture on the theme. The webinar was inaugurated by Prof. R. K. Singh (Officiating Vice Chancellor) of the University. Prof. R. K. Singh while interacting with attendees focused on different available analytical tools for pharmaceutical and chemical researchers. During his speech, Dr. Mandar discussed on Pharma Pendium and Reaxys: An Expert Curated Chemistry Database. More than 100 attendees participated in the webinar virtually. Prof. Veerma Ram (Director, School of Pharmaceutical Sciences and Technology) thanked all the dignitaries, participants and attendees for their overwhelming response to the webinar. Dr. Santosh Kumar Karn moderated the program. Prof. Vikas Anand and his team of Mr. Vishal Warikoo (Assistant Professor), Mr. Surojit Banerjee (Assistant Professor) along with Mr. Debadri Banerjee and Mr. Praveen Sisodia Final year students of M. Pharm co-ordinated the webinar. All the attendees will be given E-certificates.

The slide titled "Reaxys predictive retrosynthesis – our USP" lists the following points:

- AI and ML training dataset:** Predicted algorithm trained on largest (>15m) chemistry reaction dataset, with ~400,000 rules auto-extracted.
 - Reaxys data is powering the v... Univ. of Cambridge and Astra
 - Training dataset also included predictions
- Technology:** The only retrosynthesis networks coupled with Monte-Carlo.
 - This technology also enables in chemistry published
- Scientifically robust:** Predictions are accurate.
 - The false positive rate of the predictions is 1.5% including MIT, SRI
 - Time split validation (basically about how well our model is predicting drug molecules and the nice fit networks are very fast)
 - "Chemical Turing Test" – double blinded test with organic chemists (45 PhDs and Post-docs) quality and robustness of predicted routes
- Augmentable and customizable:** Ability to customize by adding your own building block library and augmentable by adding your own chemistry reactions data

The screenshot shows a Zoom meeting grid with 25 participants. The participants' names are visible in their respective video thumbnails, including Vikas Anand, Santosh Karn, Surojit Banerjee, Anoop, ADMIN, Surojit Kumar, Roshani Patel, Anjali Shrivastava, Yogita Dabhal, Shalvi Mishra, Dr. Supriya S..., Priyanka Tomar, Manjeet Singh, Hima, Yamini chandol..., Dr. Shashank Soni, Dipti, Dr. Ravindra S..., and Nikita Malik. The Zoom interface shows recording is on, and there are 42 participants in total.