



Lecture (Hybrid)
on
**New trends in Automated Chemistry:
Retrosynthetic Analysis and Chemical Robots**
By
Prof. Dr. Alain Krief
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(CMI laboratory), Chemistry Building, Namur, Belgium.

Jointly organized by

OIC Standing Committee on Scientific and Technological Cooperation (COMSTECH)
International Center for Chemical and Biological Sciences (ICCBS)
and
Sindh Innovation, Research, and Education Network (SIREN)

INTRODUCTION:

OIC Standing Committee on Scientific and Technological Cooperation (COMSTECH), and Sindh Innovation, Research, and Education Network (SIREN) are jointly organizing **Lecture (Hybrid)** entitled, “New trends in Automated Chemistry: Retrosynthetic Analysis and Chemical Robots” coordinated by the L.E.J. National Science Information Center, International Center for Chemical and Biological Sciences (ICCBS), University of Karachi.

ABSTRACT:

Since the original work of E. J. Corey¹⁻³ on retrosynthetic analysis in the sixty's, computer have been used to help chemists to access data, to communicate in drawing the structure of compounds on the graphical interface of their computers and to help them to propose synthetic routes to achieve the synthesis of the compounds they need. Robots that have been used for few reactions especially when solid phase reagents are involved, are now more and more used in place of chemists and even coupled to retrosynthetic tools. We will describe the importance of selecting the disconnections in the retrosynthetic analysis on the taxol and the pyrethroid fields and will disclose the concepts behind robot involvements.

About the Speaker:

Prof. Alain KRIEF (Ph.D.)

Emeritus Professor in Organic Chemistry

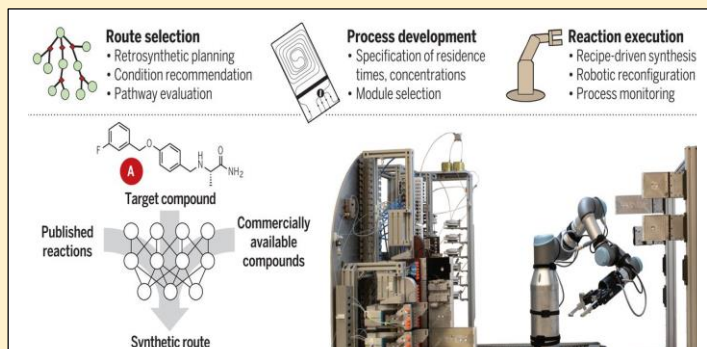
Executive Director of International Organization for Chemical Sciences in Development (IOCD)

Main areas of research: Organic synthesis, Bioorganic chemistry, Knowledge management

352 papers including 12 patents, 20 books, and chapter of books

WHO SHOULD ATTEND?

All research scholars, scientists, post-doctoral fellows, and faculty members from the OIC member states.



PROGRAM SCHEDULE: 21st September 2022

DAY AND TIME: Wednesday (10:00 – 12:00 Hrs.)

REGISTRATION DEADLINE: 19th September 2022 (Free)

FOR REGISTRATION USE THE GIVEN LINK: bit.ly/RACR-SIREN

VENUE: Lecture Hall A, Latif Ebrahim Jamal National Science Information Center (LEJNSIC), International Center for Chemical and Biological Sciences (ICCBS), University of Karachi-75270, Pakistan.

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