


Goa University
Directorate of Internal Quality Assurance (DIQA)
&
School of Physical & Applied Sciences (SPAS)
Report on A lecture “Will AI Tools Make a Paradigm Shift in
Scientific Publishing?”
(As a part of awareness of trends in technology)

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| 1. Title of the Event/Activity/program | Will AI Tools Make a Paradigm Shift in Scientific Publishing? |
| 2. Date and Time | 20 th February 2023 from 10 -11:30 am at Conference Hall, Goa University |
| 3. Mode of conduct (Physical/Online) | Physical |
| 4. School/ Directorate/ Section | Directorate of Internal Quality Assurance (DIQA) |
| 5. Collaborating Agency/School/Directorate | School of Physical & Applied Sciences (SPAS) |
| 6. Detail of the Resource Person (Brief biodata) | Prof. Prashant Kamat, Department of Chemistry and Biochemistry and Radiation Laboratory, University of Notre Dame, Notre Dame, IN 46556 (USA) |
| 7. Number of Faculty attended/participated | 21 |
| 8. Number of Student attended / participated | 10 |
| 9. No. of external students/faculty/other participants | 6 |
| 10. The objectives of the Program/activity/event | <ul style="list-style-type: none">• To make aware of new trends in technology• To Introduce chat-GPT app• To explain working of Chat-GPT• To make aware of pros and cons of Chat-GPT in scientific writing. |
| 11. Description of the | Prof. Prashant V. Kamat is a Rev. John A. |

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| Program/activity/event | <p>Zahm, C.S.C., Professor of Science in the Department of Chemistry and Biochemistry and Radiation Laboratory at the University of Notre Dame. He is also a Concurrent Professor in the Department of Chemical and Biomolecular Engineering. Thomson-Reuters has featured him as one of the most cited researchers each year during 2014-2022. He is currently serving as an Editor-in Chief of ACS Energy Letters.</p> <p>In his lecture he explained the AI tools like ChatGPT that have drawn attention among the academic community to assess their impact on future scientific publications. He mentioned that already scientific articles are written to demonstrate the capability of ChatGPT. Several questions have come up during these initial discussions. These include How can we use AI-bot ethically to enhance the presentation of our work? What guidelines do we need to set going forward? Will we be able to identify shortcomings or bias in the output? In his lecture all above questions were addressed and discussed. Dean, SPAS welcomed him and Dir-DIQA proposed vote of thanks.</p> |
| 12. Benefit/Key outcomes of the Program/activity/event | <ul style="list-style-type: none"> • It was opportunity for participants to meet and interact well known professor of Indian origin from US. • Participants were made aware of knowledge of new AI based Chat-GPT • The lecture was presented with examples on Chat-GPT • Participants were made aware of applications and disadvantages • Its use friendly application working was explained |
| 13. Enclosures with report | <p>Brochure, Notice, Geo-tag photos, Attendance of students/faculty/external participants, Bio Data of resource person (if applicable), Any other information.</p> |

Signature: 
Director, IQAC/DIQA

Seal of DIQA

Date:

20th Feb 2023





Directorate of Internal Quality Assurance (DIQA)

In association with

School of Physical & Applied Sciences

Goa University

ORGANIZES A LECTURE

(as a part of awareness of trends in technology)

Will AI Tools Make a Paradigm Shift in Scientific Publishing?



SPEAKER: Prof. Prashant V Kamat

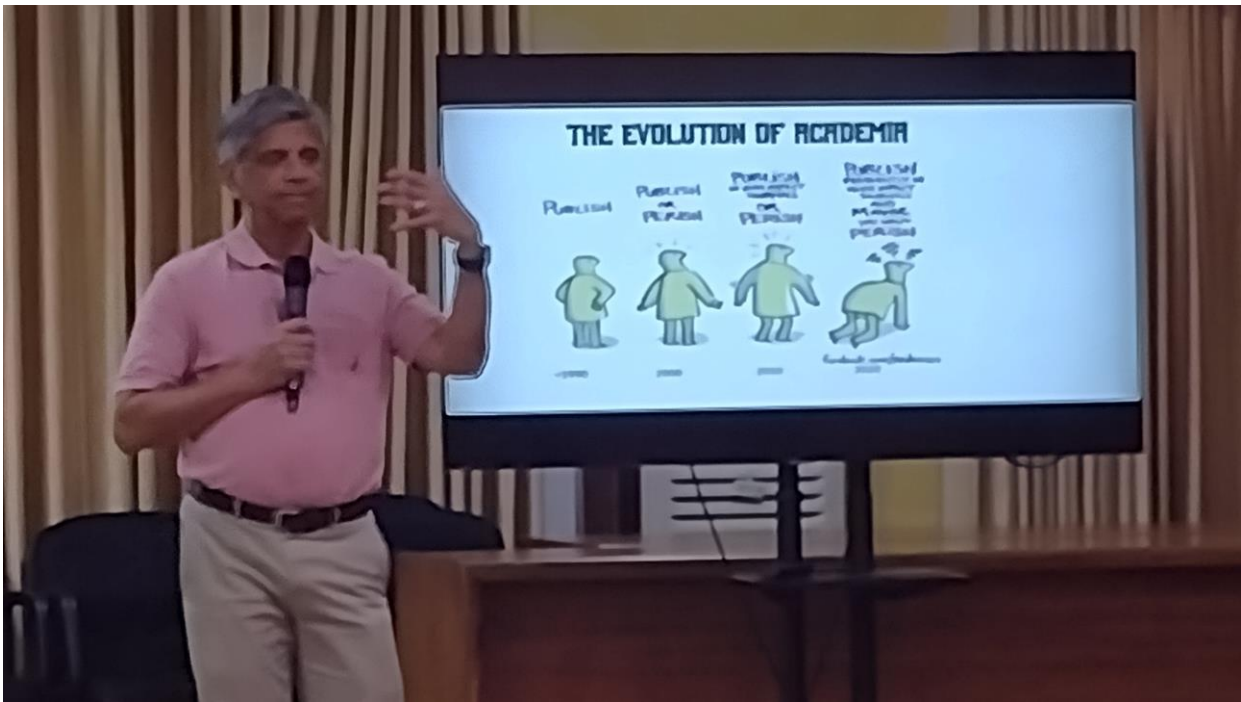
**Department of Chemistry and Biochemistry and Radiation Laboratory
University of Notre Dame, Notre Dame, IN 46556 (USA)**

**Date, Time & Venue: Monday, 20th February, 2023 at Time: 10:30 Am
Conference Hall, Administrative Block-Goa University**

All Cordially Invited

Director-DIQA

Dean, SPAS





**Directorate of Internal Quality Assurance & School of Physical & Applied Sciences
Goa University**

Talk: "Will AI Tools Make a Paradigm Shift in Scientific Publishing?"

Speaker: Prof. Prashant V. Kamat, Department of Chemistry and Biochemistry and Radiation Laboratory University of Notre Dame

Date: 20/02/2023 at 10:30 at Conference Hall, Goa University

| Sr. No. | Name | Sign |
|---------|-------------------------|----------------|
| 1 | Madhusudan G. Lanjewar | madhusudan |
| 2 | Rohan K. Kunkalckar | RK |
| 3 | R. V. Pai | R. V. Pai |
| 4 | K.G.S. Narayanan | K.G.S. |
| 5 | Bhola Nath Pahan | Bhola Nath |
| 6 | Jivan Parab | Jivan |
| 7 | Neha Phadte | Neha Phadte |
| 8 | Manasi Ugvekar | Manasi Ugvekar |
| 9 | Disha Grauns | Disha |
| 10 | Sanjali Navelkar | Sanjali |
| 11 | R. S. Hyam | R. S. Hyam |
| 12 | Nandan Shetty | Nandan |
| 13 | Dinesh Topwal | Dinesh |
| 14 | Manju Umickrishnan | Manju |
| 15 | Sudhir Cherukulappurath | Sudhir |
| 16 | Praman Nile | Praman |
| 17 | Elaine Dias | Elaine |
| 18 | Bhargav K Alavani | Bhargav |
| 19 | Pratibha Patil | Pratibha |
| 20 | Terence Rodriguez | Terence |
| 21 | A. SIVAPAKESAN | A. SIVAPAKESAN |
| 22 | Hari Srikanth | Hari |
| 23 | R. Mahendiran | R. Mahendiran |
| 24 | Namita Rane | Namita |
| 25 | Najmeh Delkordi | Najmeh |
| 26 | Dr. P. S. Mondal | P. S. Mondal |
| 27 | Shilpa Amankar | Shilpa |

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Will AI Tools Make a Paradigm Shift in Scientific Publishing?

Prashant V. Kamat

Department of Chemistry and Biochemistry and Radiation Laboratory

University of Notre Dame

Notre Dame, IN 46556 (USA) URL:Kamatlab.com

Abstract (Original)

Recently, AI tools like ChatGPT have drawn attention among the academic community to assess their impact on future scientific publications. Already scientific articles are written to demonstrate the capability of ChatGPT. Several questions have come up during these initial discussions. These include How can we use AI-bot ethically to enhance the presentation of our work? What guidelines do we need to set going forward? Will we be able to identify shortcomings or bias in the output? Hopefully this short presentation will lead to a productive discussion.

Abstract revised by ChatGPT

"Recently, AI tools such as ChatGPT have gained attention among the academic community for their potential impact on future scientific publications. Already, scientific articles have been written using the capabilities of ChatGPT. As these discussions continue, questions have arisen surrounding the ethical use of AI-bots to enhance research presentation, the need for guidelines moving forward, and the ability to identify any biases or shortcomings in the output generated. It is hoped that this presentation will spark a productive conversation on these topics."



Prashant V. Kamat is a Rev. John A. Zahm, C.S.C., Professor of Science in the Department of Chemistry and Biochemistry and Radiation Laboratory at the University of Notre Dame. He is also a Concurrent Professor in the Department of Chemical and Biomolecular Engineering. He earned his doctoral degree (1979) in Physical Chemistry from the Bombay University, and postdoctoral research at Boston University (1979-1981) and University of Texas at Austin (1981-1983). He joined Notre Dame in 1983. Professor Kamat has for nearly four decades worked to build bridges between physical chemistry and material science to develop advanced nanomaterials that promise cleaner and more efficient light energy conversion.

He has directed DOE funded solar photochemistry research for the past 40 years. In addition to large multidisciplinary interdepartmental and research center programs, he has actively worked with industry-sponsored research. He has served on many national panels on nanotechnology and energy conversion processes. He has published more than 400 scientific papers that have been well recognized by the scientific community (80000 citations, h-index 141 –Source Web of Science). Thomson-Reuters has featured him as one of the most cited researchers each year during 2014-2022. He is currently serving as an Editor-in Chief of ACS Energy Letters.