

IISU Chemical Association

IIS (deemed to be University), JAIPUR



2020-21

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About Chemical Association

The IISU Chemical Association was set up in the year 1999 for the enrichment of students and staff of the science faculty. The association emphasized the need to foster excellence and quality in higher education by breaking the barrier of the traditional methods of imparting education. Under the association a number of innovative and beneficial practices have been adopted in the college for the enrichment of staff and students

The main goals of the association are-

- To develop research aptitude in students
- To develop a combination of knowledge, skills and competence to promote scientific activity and creative expressions
- To adopt healthy practices for furthering the cause of higher education
- To increase awareness and develop an interest among the faculty on applied aspects of chemistry along with training in various analytical tools and techniques of study
- To provide high standard of teaching and training by means of knowledge sharing

IIS (deemed to be University), JAIPUR

Chemical Association

Committee (2020-2021)

The committee formed to organize and coordinate activities of **Chemical Association** is as follows:

S.No.	Name	Position
1	Dr. Deepak Singh Rajawat	Coordinator
2	Dr. Ruchi Singh	Co-Coordinator
3	Dr. Lav Varma	Member

LIST OF ACTIVITIES

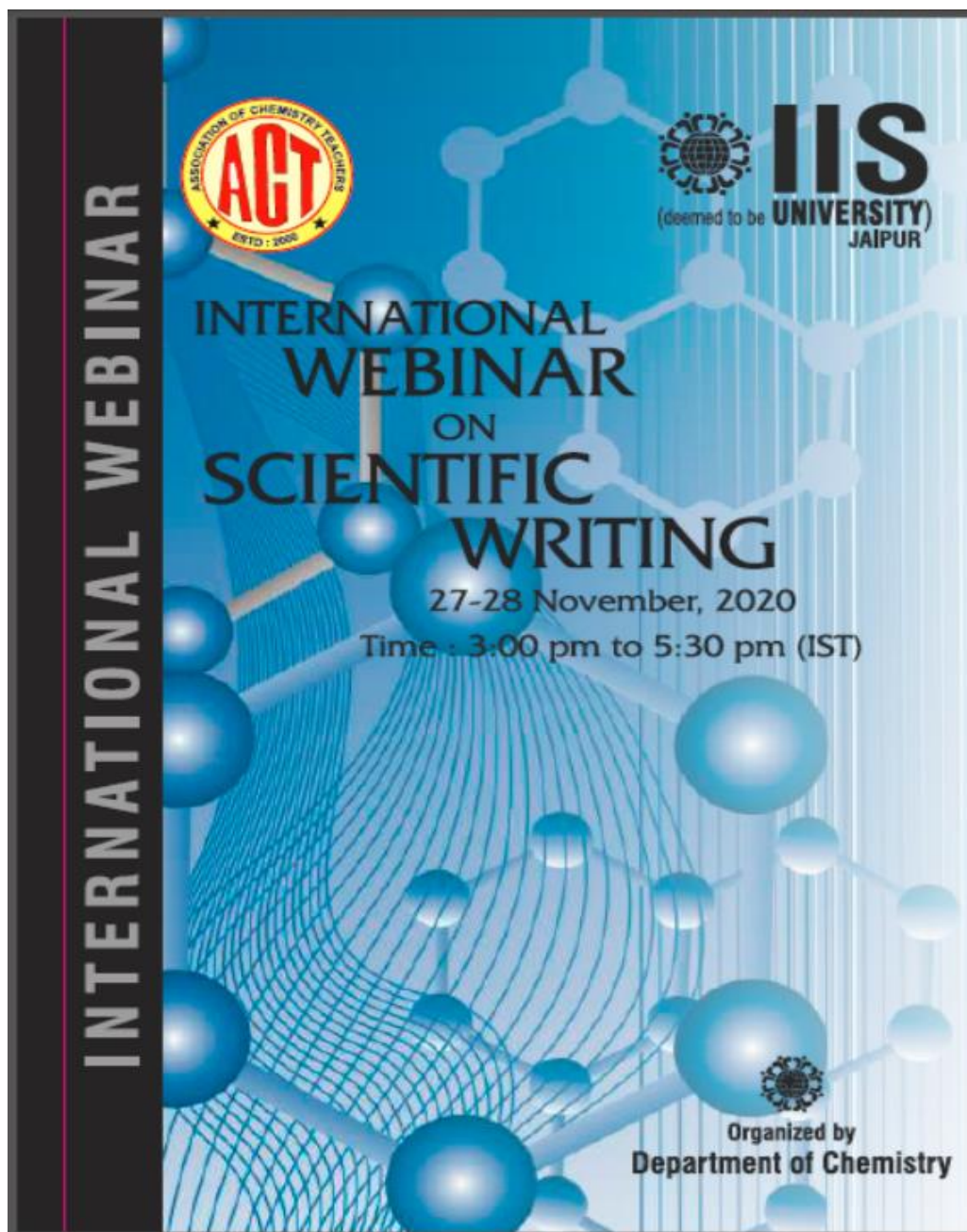
(2020-2021)

The events organized by Chemical Association in the session 20-21 were:

S.No.	Date	Activities
1	27 th to 28 th November 2020	Webinar- Scientific Writing
2	9 th February, 2021	Webinar- Research and Innovation: Exploring Gendered Challenges

IIS (deemed to be University)

Webinar- Scientific Writing



The poster features a blue background with a molecular structure motif. On the left, a vertical black bar contains the text "INTERNATIONAL WEBINAR" in white. The top left corner has the ACT logo (Association of Chemistry Teachers, ESTD: 2000). The top right corner has the IIS University Jaipur logo. The central text reads "INTERNATIONAL WEBINAR ON SCIENTIFIC WRITING" followed by the dates "27-28 November, 2020" and the time "Time : 3:00 pm to 5:30 pm (IST)". The bottom right corner states "Organized by Department of Chemistry" with a small globe icon.

INTERNATIONAL WEBINAR

ACT
ASSOCIATION OF CHEMISTRY TEACHERS
ESTD : 2000

IIS
(deemed to be) **UNIVERSITY**
JAIPUR

**INTERNATIONAL
WEBINAR
ON
SCIENTIFIC
WRITING**

27-28 November, 2020
Time : 3:00 pm to 5:30 pm (IST)

Organized by
Department of Chemistry



OUR SPEAKERS



Prof. Martin D Rudd
University of Wisconsin
Oshkosh, USA
Editor in Chief
Phosphorus, Sulfur and Silicon
and the Related Elements



Prof. Sandeep Verma
Secretary, SERB DST
New Delhi



Prof. Masaaki Yoshifuji
Tohoku University (Emeritus), Japan
Editorial Board : Heteroatom Chemistry
&
Phosphorus, Sulfur, and Silicon
and the Related Elements
Former Editor : Bulletin of the Chemical
Society of Japan, Chemistry Letters



Prof. György Keglevich
Dept of Organic Chemistry and Technology
Budapest University of Technology and
Economics, Hungary
Editor-in-Chief, Current Organic Chemistry
Member of the Editorial Board of Heteroatom
Chem. & Phosphorus, Sulfur and Silicon
and the Related Elements



Prof. Ayan Datta
School of Chemical Sciences
IACS, Kolkata



Prof. R K Bansal
IIS (deemed to be University),
Jaipur



Prof. S.D. Samant
Institute of Chemical Technology,
Mumbai



Report

The Department of Chemistry, IIS (deemed to be) University, Jaipur has organized a two day International Webinar on “Scientific Writing” on 27 and 28 November 2020 in collaboration with Association of Chemistry Teachers, Mumbai, to introduce the participants to the different facets of scientific writing, plagiarism and scientific misconduct.

The webinar received overwhelming response from all over the world and in total 1145 delegates including 558 Undergraduate and Postgraduate students, 258 research scholars and 329 faculty members have been registered for this webinar. The webinar was also live streamed on IISU You tube channel.

The webinar commenced at 3:00 PM on 27 November 2020 with the inaugural session seeking the blessings of almighty followed by lighting up the lamp. After which the webinar Chief Patron Dr. Ashok Gupta, Chancellor, IIS (deemed to be) University extended the warm welcome to all the resource persons and participants.



The banner is divided into three main horizontal sections. The top section is dark blue and contains three logos: the ACT logo (Association of Chemical Teachers, ESTD 1996) on the left, the text 'BEYOND THE CRISIS : AN ACT WEBINAR SERIES' above 'ACT Research Convention 2020' in the center, and the IIS logo (IIS UNIVERSITY JAIPUR, deemed to be) on the right. The middle section is light blue and features the title 'INTERNATIONAL WEBINAR ON SCIENTIFIC WRITING' in bold black letters, followed by the dates '27-28 November, 2020'. Below this is the heading 'Welcome Address' in bold blue text. To the left of the name is a portrait of Dr. Ashok Gupta, a man with glasses and a mustache, wearing a suit and tie. To the right of the portrait, his name 'Dr. Ashok Gupta' is written in large bold blue letters, followed by his titles 'Chief Patron & Chancellor' and 'IIS(deemed to be University) Jaipur' in black text. The bottom right corner of the banner contains the text 'Organized by Department of Chemistry IIS(deemed to be University), Jaipur' in bold black letters, accompanied by a small globe icon.

ACT
ASSOCIATION OF CHEMICAL TEACHERS
ESTD - 1996

BEYOND THE CRISIS : AN ACT WEBINAR SERIES

ACT
Research
Convention
2020

IIS
(deemed to be) UNIVERSITY
JAIPUR

INTERNATIONAL WEBINAR ON SCIENTIFIC WRITING
27-28 November, 2020

Welcome Address


Dr. Ashok Gupta
Chief Patron &
Chancellor
IIS(deemed to be University)
Jaipur

Organized by
Department of Chemistry
IIS(deemed to be University), Jaipur



Thereafter Prof. T.N. Mathur, Vice Chancellor, IIS (deemed to be) University expressed gratitude towards all the esteemed speakers.

Dr. Raakhi Gupta, Registrar IIS (deemed to be) University and National Convenor, Research Convention 2020 acquainted the audience with the genesis of research convention and encouraged the participants to attend the upcoming events organized by ACT like National Convention of Chemistry Teachers, National Webinar on Organic Synthesis and National Webinar on Intellectual Property Rights.

After that, Professor D.V. Prabhu, General Secretary, Association of Chemistry Teachers shared with the delegates the establishment, two decade long history and evolution of Association of Chemistry Teachers along with its manifold national and international activities and event that have become the association's substantive programs.

Prof. Brijesh Pare, President, Association of Chemistry Teachers shared that this Research Convention is the first of its kind of designed and executed research convention for Post Graduate students, research scholars and faculty

members. He acquainted the delegates with the aims and objectives of this webinar and shared that this is the sixth program in the series of ACT research convention 2020. He was sure that the participants would be able to develop and improve the scientific and technical writing skills after attending this webinar.

The Inaugural session was followed by three technical sessions spread over two days. The speakers of first technical sessions were Prof. Gyorgy Keglevich, Prof. Martin Rudd and Prof Sandeep Verma.

Prof. Gyorgy Keglevich from Department of organic Chemistry and technology, Budapest University of Technology and Economics, Hungary, who is also the Editor-in-chief of Current Organic Chemistry and Member of Editorial Board of Heteroatom Chemistry and Phosphorous Sulphur and Silicon and related Atoms delivered an insightful talk on **Development of Results During Research-Some Examples from Organophosphorous Chemistry**. In his lecture, he focused on double ring enlargement, refinement of the mechanism of the fermentation reformulations, mechanism of nickel catalyzed PC coupling reactions under forcing conditions.



YouTube

Search

2. A dual mechanism for the fragmentation-related phosphorylation of bridged compounds

2.1. Bridged P-heterocycles – precursors of low-coordinated fragments

7-Phosphanorbornenes, 2,3-oxaphosphabicyclo[2.2.2]octenes, as well as 2-phosphabicyclo[2.2.2]octenes

49 watching now • Started streaming 113 minutes ago

INTERNATIONAL WEBINAR ON SCIENTIFIC WRITING

Top chat

The second lecture of this session was delivered by Prof. Martin D Rudd, University of Wisconsin, USA. Being an Editor-in-chief of a reputed journal i.e. Phosphorous, Sulphur and Silicon and related Atoms, his talk entitled on the topic **Getting Your Research Published** focussed on understanding of editorial processes and what editors look for. Prof. Martin not only discussed about the ethical responsibilities of the author but also professional responsibilities of the editor and journal.

Recording LIVE on Custom Live Streaming Service

Participants 326

Chat

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Reactions

Leave

The third speaker of this session was Prof. Sandeep Verma, Secretary, Scientific and Engineering Research Board, Department of Science and Technology, New Delhi. He delivered a very informative talk on **Project Writing**. He shared with the delegates the different research schemes and portfolio of SERB along with the nitty gritty of project writing. Prof. Verma shared the SERB report of 2019-20 with all the participants and explained the different stages of project life-cycle including conceptualising, writing, managing and then finalising the project. He told that ideas and concepts are key to successful research outcome.

This session ended with the Q&A session.



The first technical session ended with the vote of thanks delivered by Dr. Pragya Sinha, Convenor of the webinar and Head, Department of Chemistry, IIS, (deemed to be University), Jaipur.

The second and third technical session were held on the second day i.e. 28 November 2020. The Speakers for the Second technical Session were Prof. R K Bansal and Prof. Ayaan Datta.

Professor R.K. Bansal from IIS (deemed to be University), Jaipur is a Member of the Editorial Board of Phosphorus, Sulfur and Silicon and the Related Elements delivered his lecture on **Common Mistakes in Writing a Research Paper**. He focused on important sections of research papers like format of the journal, reference style and citation in the text and shared his experience of writing and reviewing research papers.

The next lecture of this session was delivered by Prof. Ayaan Datta, from Indian Association for Cultivation of Sciences, Kolkata who is also the fellow of Royal Society of chemistry and recipient of DST-SERB distinguished investigator award. He is also a Editorial International Advisory Board member, Journal of Physical Chemistry, ACS and Associate Editor, Bulletin of Materials Science,

Springer-IAS. He deliberated on **Effective Scientific Manuscript Writing** and shared his insight on high quality research paper in a lucid manner.

Effective Manuscript Writing

Dr. Ayan Datta,
Professor,
Indian Association for Cultivation of Sciences, Kolkata

Editorial International Advisory Board Member,
Journal of Physical Chemistry, ACS
Associate Editor, Bulletin of Materials Science,
Springer-IAS.

Participants (232)

- CHANDANI MATHUR (Co-host)
- Dr Brijesh Pare (Co-host)
- Lav Varma (Co-host)
- masaaki yoshifuji (Co-host)
- Pradeep Bhatnagar (Co-host)
- Pragya Sinha (Co-host)

Chat

ot Chemistry, IIS (deemed to be University), Jaipur
Youtube Link :- <https://youtu.be/ksAkl4XVe2Q>

From Ritu Jangid to Everyone:
Good afternoon everyone

From Neetu tomar to Everyone:
Good afternoon to all

To: Everyone

Attract Readers with a Strong Title

"We strongly believe that the science should speak for itself and that the use of adjectives that sound too self-promoting can have adverse impact."

FUNCTIONALITY	CONTENT **
Attract potential audience	Simple
Aid retrieval and indexing	Effective
	Accurate

Overly Long Title:
Synthesis, Electrochemistry, Spectroscopic Characterization, and X-ray Crystal Structures of Ni(II) Complexes that can be Isolated and Promote Carbon-Carbon Bond-Forming Reductive Elimination

Shortened Title:
Carbon-Carbon Bond-Forming Reductive Elimination from Isolated Nickel(II) Complexes

INTERNATIONAL WEBINAR ON SCIENTIFIC WRITING

26 watching now • Started streaming 100 minutes ago

Top chat

- Pradipkumar Shah very informative and interesting session
- Dr. Santosh Bahadur Singh Very nicely convey the message of life..
- sonu kumari nice
- Bharti Khare very informative
- jyoti prashad sarma baruah very informative .
- Pradipkumar Shah excellent talk
- Daksha Sharma Thank you sir
- Raina Jadhav excellent and very informative talk
- Raina Jadhav thank you sir
- Indira Talamanchi excellent talk
- Dr. shalini gupta it's visible now
- Dinesh Sharma Excellent talk

IIS deemed to be University Official

The speakers for third technical session were Prof. Masaaki Yoshifuzi and Prof. S. D. Samant.

Prof. Masaki Yoshifuji from Tohoku University (Emeritus), Japan explained the **Editor's Perspective about a Research Paper** in his talk being a Member of Editorial Board of Heteroatom Chemistry and Phosphorous, Sulphur, Silicon and Related Elements. He is also a Former Editor of Bulletin of Chemical

Society of Japan and Chemistry Letters. He described on research publication process, importance of letter to editor, journal's format and reference citation style.

EDITORIAL BOARDS

- *Bull. Chem. Soc. Jpn.* (April 1990 - March 1992)*
- *Chem. Lett.* (April 1992 - March, 1997)*
- *Heteroatom Chemistry* (January 1990 - 2017)
- *Science Reports, Ser. II, Tohoku Univ.* (Editor in Chief,* 1992 - 2005)
- *Phosphorus, Sulfur, and Silicon, and the Related Elements* (April 2001 -)

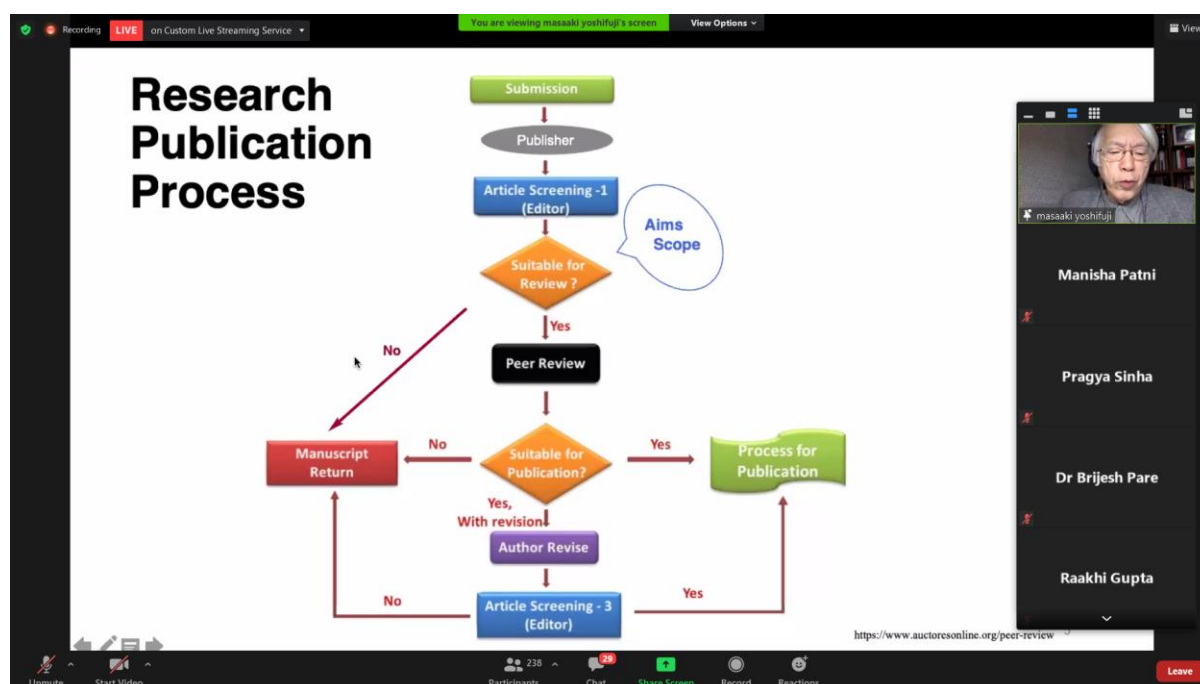
* The Chemical Society of Japan; *Faculty of Science, Tohoku University

INTERNATIONAL WEBINAR ON SCIENTIFIC WRITING
29 watching now • Started streaming 100 minutes ago

Top chat

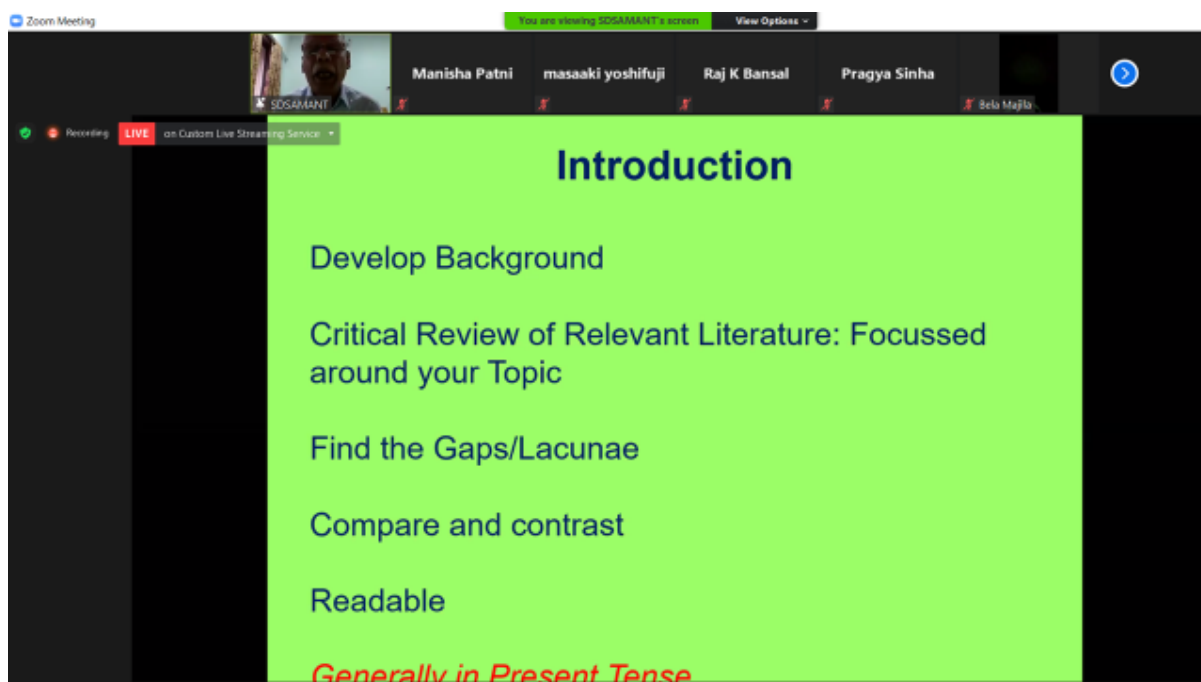
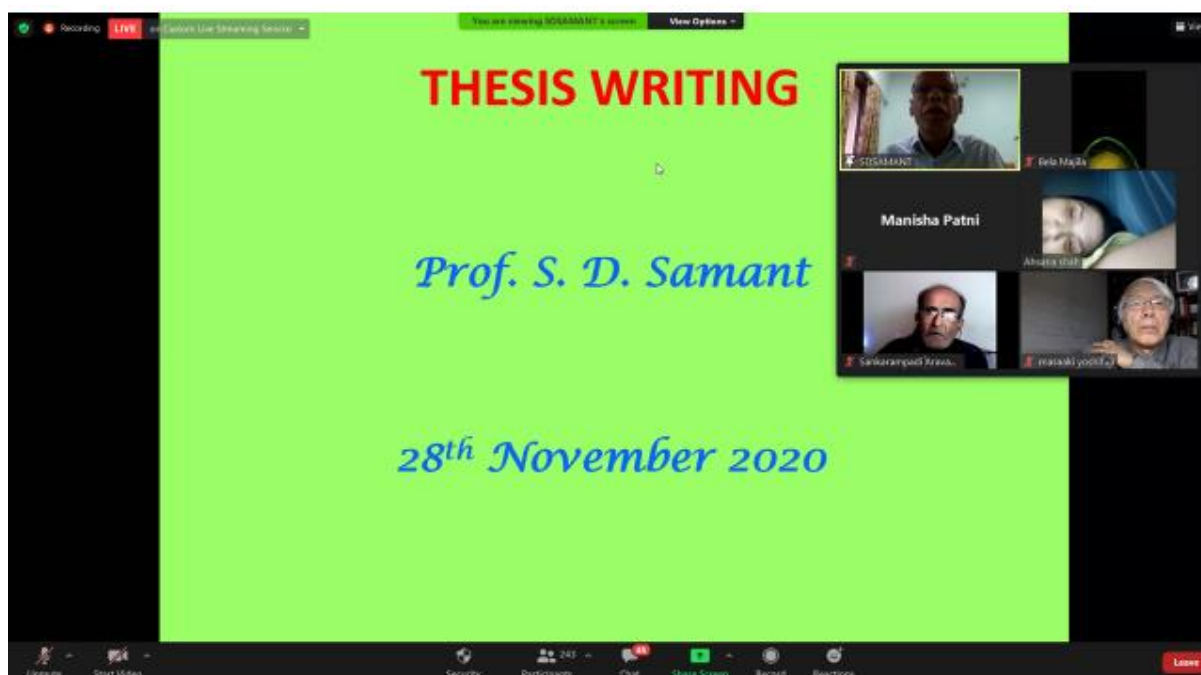
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- Indira Talamanchi excellent talk
- Dr. shalini gupta it's visible now
- Dinesh Sharma Excellent talk

IIS deemed to be University Official



Prof. S D Samant, Former Head, Institute of Chemical Technology and Former President, Association of Chemistry Teachers, Mumbai in his talk guided all the participants on **How to Write a Thesis** so as to showcase our research at its best. His talk highlighted on the pattern of different sections of a thesis such as

selection of relevant research topic, literature survey, methodology and full bibliography. He also emphasized on the UGC regulations for Ph.D thesis.



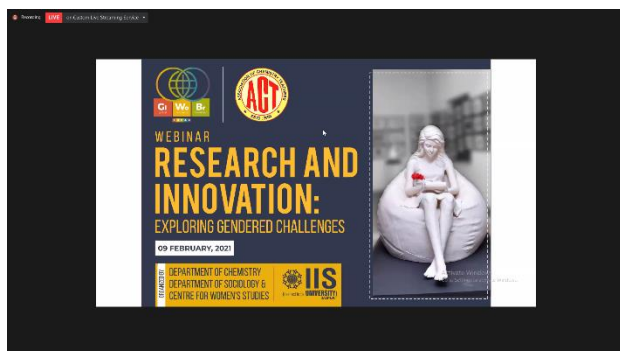
Thereafter, the concluding remarks were presented by Prof. Pradeep Bhatnagar, Dean, Faculty of Science IIS, (deemed to be University), Jaipur in the Valedictory Session.

This session ended with Report sharing and a formal vote of thanks to all the resource persons and participants proposed by Dr. Manisha Patni, Organizing Secretary of the Webinar.

Outcomes: This webinar not only helped the delegates to build their subject knowledge of chemistry but also enhanced their ability to communicate science, with a focus on writing different types of manuscripts, reviews and project proposals.

IIS (deemed to be University)

Research and Innovation: Exploring Gendered Challenges



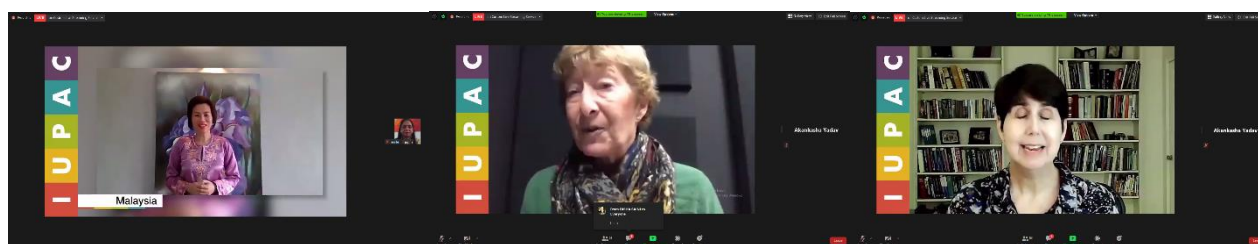
In tune with the Global Women's Breakfast event being organized by the International Union of Pure and Applied Chemistry (IUPAC) on the theme of "Empowering Diversity in Science", the departments of Chemistry, Sociology and Centre for

Women's Studies, IIS (deemed to be University), Jaipur, in collaboration with Association of Chemistry Teachers (ACT) organized a global webinar on **"Research and Innovation: Exploring Gendered Challenges"** on February 9, 2021 at 3:30 pm-4:30 pm (IST).



It has been evident that women even today, are persecuted for gender biases and are under-represented in the field of scientific research, innovation, entrepreneurship and technology. With an aim to explore and address issues for such gender gap, the sessions were taken up by two eminent resource persons, Dr. Rashmi Jain, Head, Department of Sociology and Director, International Cooperation Cell, University of Rajasthan, Jaipur and Dr. Neelima Gupta, Associate Professor, University of Rajasthan, Jaipur.

The webinar commenced with the blessings of the Almighty. A short video by IUPAC was played to acquaint the participants about the Global Women's Breakfast. Several excerpts from all over the world Malaysia, Russia, Singapore, etc. were shown in the video.



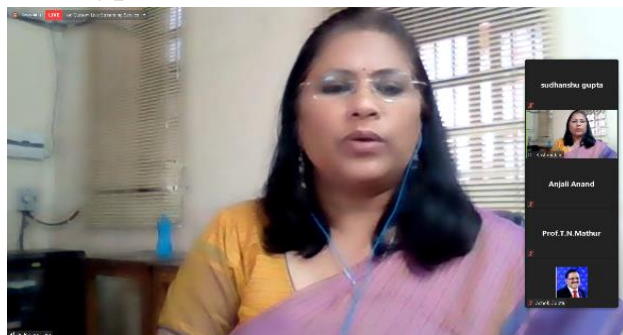
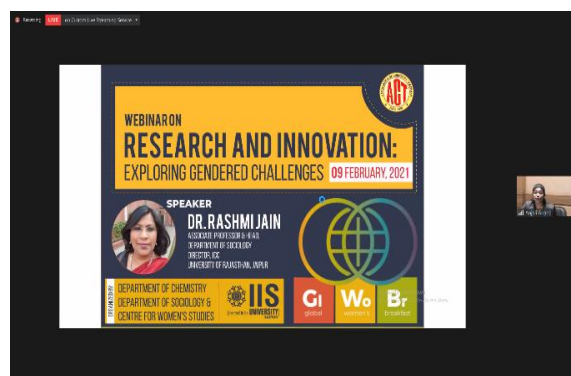
The welcome address was delivered by Dr. Ashok Gupta, Hon'ble Chancellor, IIS (Deemed to be University), Jaipur. Highlighting the achievements of the University, he marked that scientific research as a knowledge base can transform lives but barriers of gender can jeopardize the chances of societal progress.



Prof. T.N. Mathur, Hon'ble Vice-Chancellor, IIS(deemed to be University), Jaipur also expressed few words. According to him, gender plays an important role in conduction of research and this platform has given an opportunity to discuss about prevalent gender

diversities.

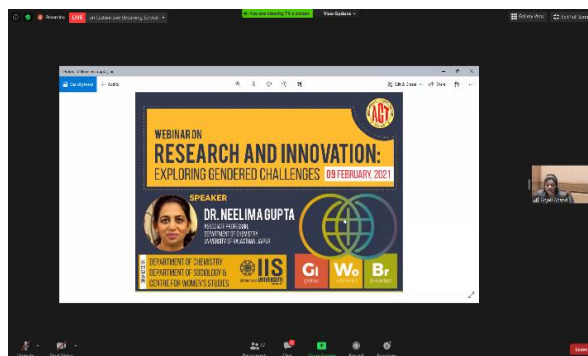
The first speaker, Dr. Rashmi Jain brought attention to social issues governing gender inequality which has been a persistent feature of all modern societies and insisted on the need of mainstreaming gender in all walks of life. According to her, gendered social expectations construct women's career choices. She also discussed the reason for such discrimination, like gender



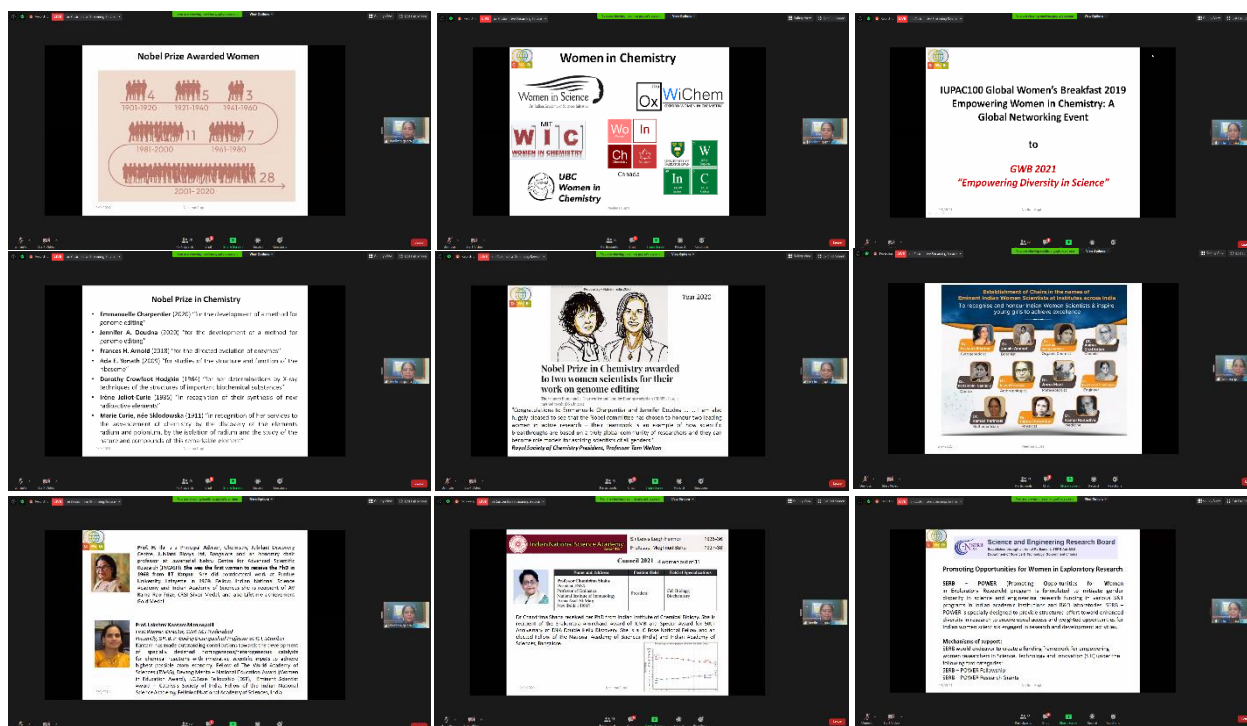
stereotype, lack of role models for women, strong male dominated culture, constant bias against women in science & technology, lack of gender support diversity in work environment. Dr. Rashmi also showed concern about prejudices against women in STEM(Science, Technology, Engineering and

Mathematics) as India has 43% of women graduates in STEM but only 14% of them professionally work in the field. Emphasizing on the Science, Technology and Innovation Policy (STIP), 2020, she suggested that there is a need to inculcate scientific socialization in women since childhood. The society and government should go hand in hand for providing conducive and gender-sensitized environment to women.

The second speaker, Dr. Neelima Gupta, through her power-point presentation, beautifully showed us the inspiring journey of women in Chemistry, featuring the past, present and future of the field. She briefly explained the important role of IUPAC and GWB to encourage women in the field.



The participants got acquainted with several worldwide associations of women in Chemistry like, Women in Science (Indian Academy of Science, India), Women in Science(MIT), Oxford Women in Chemistry, etc. She highlighted the remarkable journey of women receiving Nobel Prize in Chemistry since 1901, including Charpentier and Doudna who have recently received the prize in 2020. She prominently brought in notice the incredible contribution of Madam Curie who had discovered Radium and Polonium in 1898 for which she received the Nobel Prize in 1911 whose centenary acknowledgement was done in 2011 by commemorating it as the International Year of Chemistry. The speaker emphasized on the significant work done by the Indian women in Chemistry and the establishment of Chairs in the names of eminent Indian Women Scientists at Institutes across India. To name a few, Prof. Chandrima Shaha (President of Indian National Science Academy), Prof. Lakshmi Kantam Mannepalli (First Women Director, CSIR-IICT Hyderabad), Prof. H. Ila(Principal Advisory, Jubilant Discovery Centre, Bangalore), Yamuna Krishnan(Professor, University of Chicago), etc. She also threw a light on few government policies and programs like GATI, SERB-POWER, Women Scientists Scheme, etc. to provide and promote opportunities for women scientists in India.



The webinar was attended by 264 registered candidates. The insightful sessions were concluded by vote of thanks, given by Dr. Pragya Sinha, Head, Department of Chemistry, IIS (deemed to be University), Jaipur. She showed gratitude to both the speakers and all the participants.

