



AMITY UNIVERSITY

— MADHYA PRADESH —

OUTCOME REPORT

Of

2nd National Seminar on “Current Trends in Life Sciences”

Organised on 27th February, 2019

By

Amity Institute of Biotechnology

Amity University Madhya Pradesh, Gwalior

General

1. Life Sciences offer an integrated approach to deal with all the aspects of biology i.e. Health care, Medical biotechnology, Agriculture and Environment etc., through knowledge generation, innovations and development of cutting edge technology. Increasing knowledge and information play a vital role in life sciences research which is aligned with other disciplines of science. Keeping this in view, Amity Institute of Biotechnology (AIB) conducted **2nd National Seminar on “Current Trends in Life Sciences” on 27th February 2019**. The 2nd National seminar provided an interdisciplinary platform for scientific community and budding researchers, academicians to discuss most recent innovations, trends and concerns as well as challenging issues encountered in life sciences. It also focused on to discuss mitigation strategies, technological advancements, exchange of ideas on contemporary issues. The seminar also motivated young students to share their research findings and new ideas to further augment their research by interacting with subject experts. Several distinguished eminent speakers from various reputed academic and research institutions and industry were invited to share their ideas and valuable inputs to the scholars in the field of life sciences.

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Gwalior

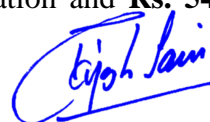
Objective(s) of the Seminar.

2. The National Seminar was organized with following objectives:
 - (a) To identify the major thrust areas of modern research in life sciences to understand key issues and challenges.
 - (b) To disseminate knowledge and share experiences among leading academic scientists, researchers and research scholars on thrust areas and challenges in life Sciences.
 - (c) To provide a forum for research collaboration possibilities among Scientists, Academicians and Research Scholars.
 - (d) To provide a forum for discussion on the current challenges and concerns leading to formulate appropriate and effective strategies and mutual exchange of ideas.
 - (e) To facilitate young students, research scholars & faculty members of AIB to display their research and connect themselves to scientific community.
 - (f) To enhance visibility of AIB and AUMP as a premiere educational institution to bolster its brand value among scientific community.
 - (g) The publication of a souvenir of abstracts for future reference.

Pre – Seminar Outcomes:

3. Tangible Outcomes:

- (a) The Seminar received wide publicity among the academicians, scientists research scholars and students working in the areas of life sciences.
- (b) The 2nd National Seminar observed good contribution of papers that addressed theme and topics of the seminar. In total **117** abstracts were selected, covering major areas of life sciences to be presented as **oral (13 Abstracts)** and **poster (104 Abstracts)**.
- (c) The 2nd National Seminar received abstracts for **11 invited** and **one keynote** lecture from distinguished Scientists and Academicians.
- (d) The 2nd National Seminar observed overwhelming participation from participants belonging to various prestigious Central Universities, State Universities, Research Institutions and Collages, which includes, *Banaras Hindu University, Varanasi, University of Delhi, Delhi, Barkatulla University, Bhopal, DRDE Gwalior, Jiwaji University, Gwalior, Bundelkhand University, Jhansi, Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RSKV) Gwalior, Birla Institute of Medical Research (BIMR), Collage of Life Sciences, Cancer Hospital and Research Institute, Gwalior, SMS Govt. Model Science College, Gwalior, KRG College Gwalior, VISM Gwalior, ITM University Gwalior* etc.
- (e) The 2nd National seminar also received financial assistance of **Rs. 15, 000/-** from **LacZene Biosciences**, New Delhi and **Rs. 5,000/-** from **Vijay Scientific Suppliers**, Gwalior.
- (f) Seminar observed large number of registrations for participation and **Rs. 54,500/-** was collected towards registration etc.



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4. Intangible Outcomes:

- (a) Brochures of the 2nd National Seminar were widely circulated to various Universities/Institutes/Colleges to attract Academicians/ Scientists/ Researcher Scholars etc. Soft copy of the brochure was circulated through E-mails, social media, messenger apps etc.
- (b) Advertisement and distribution of seminar brochure to various Universities/ Institutes/ Colleges also helped in branding of AIB, AUMP as Academic cum Research driven Institution/ University and attract the students to pursue their higher studies in AIB, AUMP, Gwalior.
- (c) Organizers of seminar had applied to various government funding agencies like; DBT, ICMR and MPCST, Bhopal for financial assistance, which further strengthen our commitment towards academics and research carried out in AIB, AUMP in funding agencies.

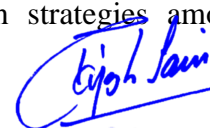
During Seminar Outcomes

5. Tangible Outcomes.

- (a) An 'Abstract Book' of 2nd National Seminar (NSCTLS 2019) comprising **129 abstracts** including **11 invited and one keynote** was published along with CD. In total, **13 abstracts** were presented as **oral** and **104 abstracts** were presented as **poster**. The published abstract book has a significant collection of literature on the subject and can be used for future reference.
- (b) Prof (Dr.) Shailendra Goel, Department of Botany, Delhi University and other Scientists from various Universities/ Institutions have shown their willingness to accommodate the students of AIB for internship.
- (c) Dr. Anil Kumar Sharma, Vice President, AIMIL Pharmaceuticals Pvt. Ltd., New Delhi has shown his willingness to accommodate the students of AIB for internship.
- (d) During the seminar, various technical sessions were enriched with informative lectures, delivered by distinguished experts. All the delegates/ participants/ research scholars and students were benefited by their deliberations.

6. Intangible Outcomes.

- (a) National Seminar played a pivotal role in providing platform to share knowledge, technological advances and innovative ideas by young researchers from various Universities/ Institutes/ Colleges in different technical sessions.
- (b) The presentations given by delegates/ participants during the technical session not only sensitized the researchers/ participants to involve in research activities but also to help in generating innovative ideas.
- (c) The technical sessions further enhanced the level of awareness on contemporary issues and challenges in life sciences and discussion on mitigation strategies among the participants and students.



- (d) In the feedback given by the participants, they expressed their satisfaction regarding the theme and topics covered as also the excellent hospitality provided by AUMP.

Post-Seminar Outcomes

7. Tangible Outcomes

- (a) The 2nd National seminar (NSCTLS, 2019) received direct public visibility by wide news coverage in most of the leading newspapers of MP including **Danik Bhaskar, Nav Bharat, Partika and Bharatmat**.
- (b) Certificates of participation in poster as well as technical sessions were distributed to all the participants. This will also enhance our brand visibility among other Universities/ Institutes.
- (c) Certificates of merit for **Best Oral** and **Best Poster** presentations were awarded to encourage the participants to deliver their best in scientific gatherings.
- (d) The Total amount received as registration fee from participants was **54500/-** (Fifty Four Thousand Five Hundred Only).
- (e) The total expenses of Seminar regarding registration Kit, Stationary, Mementoes, Food and Catering, TA/DA, etc. was **Rs. 49,481/-** while fund generated was **Rs. 74,500/-**, which was **Rs. 25,000/-on plus side**.

8. Intangible Outcomes


- (a) The delegates from different universities and institutions of India were highly satisfied with the organisation of 2nd National Seminar (NSCTLS 2019) and carried good impression of Amity Institute of Biotechnology, AUMP, Gwalior.
- (b) Delegates from different Universities/ Institutions were impressed with research work of AIB and lab infrastructure. They showed their willingness to collaborate for research work in future.
- (c) Research Scholars from different Universities/ Institutions visited AIB labs and requested for help in their research work. These researchers carried a very good image of AIB, AUMP which will enhance professional visibility of AUMP at national level.
- (d) The wide news coverage of the 2nd National seminar helps in brand building of AIB, AUMP as premier university which will help in gaining more attention of students and their parents leading to more admissions in forth coming session to AUMP.

Organising Secretary

Convener

Director Outcome

Hon'ble Vice Chancellor, AUMP

Pro Vice Chancellor

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Gwalior

List of Invited Speakers.

S. No.	Name	Title
KA	Sharma A K, Sharma Sanchit, Sharma Ikshit, Kohli Nitika, Mohd. Junnaid	Biotechnological Considerations Implied in Ancient Ayurvedic Sciences – A Review
IT-1	Raghuvir Singh Tomar	Cellular homeostatic mechanisms are regulated by Genetics and epigenetics
IT-2	Syed Imteyaz Alam	1000 GENOME AND BEYOND
IT-3	Nalini Srivastava	Organophosphate pesticides: Genotoxicity & Carcinogenicity
IT-4	Mahendra K Gupta and Mir Sajad Rabani	Microbial Bioremediation: An Emerging and Potential Technology for the Removal of Toxic Pollutants from Environment
IT-5	Shailendra Goel	Genetic and genomic approaches for improvement of Safflower (<i>Carthamus tinctorius</i> L.), an under-utilized promising oilseed crop of India
IT-6	Rishi Saxena	Impact of environmental factors on Incidence and variability of <i>Fusarium oxysporum</i> f. sp. ciceri isolates from chickpea (<i>Cicer arietinum</i> L.) of Bundelkhand Region
IT-7	K.K. Sijoria	‘Rasaoushadhies’ (Herbo mineral formulations) of ayurveda – Roots of modern nanomedicine
IT-8	U. D. Gupta	Ethics in Animal Experimentation
IT-9	Rajeev Singh	Radiofrequency Radiation and Environmental Health
IT-10	Dev Vrat Kamboj	Decentralized Wastewater Treatment Systems
IT-11	Ram Kumar Dhaked	Label free screening methods in identification of small molecule inhibitors against bacterial toxins.


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Links of Media Coverage

Links:

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News Links of Media Coverage as on 28.2.2019 AUMP Gwalior

1. AUMP-National Seminar on Current Trends in Life Sciences 2019-Amity

{28.02.2019} https://portal.amity.edu/backoffice/Uploads/media/2215_DainikBhaskar-28.2.2019-AUMPNationalSeminaronCurrentTrendsInLifeSciences2019-Amity.jpg

Dainik Bhaskar – Page-2

2. AUMP-National Seminar on Current Trends in Life Sciences 2019-Amity

{28.02.2019} https://portal.amity.edu/backoffice/Uploads/media/2214_Patrika-28.2.2019-AUMPNationalSeminaronCurrentTrendsInLifeSciences2019-Amity.jpg

Patrika – Page-16

3. AUMP-National Seminar on Current Trends in Life Sciences 2019-Amity

{28.02.2019} https://portal.amity.edu/backoffice/Uploads/media/2217_NavBharat-28.2.2019-AUMPNationalSeminaronCurrentTrendsInLifeSciences2019-Amity.jpg

NavBharat – Page-3

4. AUMP-National Seminar on Current Trends in Life Sciences 2019-Amity

{28.02.2019} https://portal.amity.edu/backoffice/Uploads/media/2218_Bharat-Mat-28.2.2019-AUMP-NationalSeminaronCurrentTrendsInLifeSciences-2019-Amity.jpg

Bharat Mat – Page-3

5. AUMP-Pre Press National Seminar on Current Trends in Life Sciences 2019-Amity

{27.02.2019} https://portal.amity.edu/backoffice/Uploads/media/2216_Patrika-27.2.2019-PrePressAUMPNationalSeminaronCurrentTrendsInLifeSciences2019-Amity.jpg

Patrika – Page-12


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नवभारत
अपना शहर
 ग्वालियर, गुरुवार, 28 फरवरी, 2019 3

एमिटी में जैव प्रौद्योगिकी विषय पर राष्ट्रीय सेमिनार आयोजित

नवभारत न्यूज
 ग्वालियर 27 फरवरी. एमिटी इंस्टीट्यूट ऑफ साइंसेज-ग्लोबल की एमिटी यूनिवर्सिटी में कंटेनट ट्रेड इन लाइफ साइंसेज विषय पर द्वितीय राष्ट्रीय सेमिनार का आयोजन किया गया। कार्यक्रम की शुरुआत लेफ्टिनेंट जनरल वीके शर्मा, एबीएसएम (रिटायर्ड) के द्वारा स्वागत भाषण से की गई। तत्पश्चात आई. एम. आई. एवं फार्मास्यूटिकल्स प्राइवेट लिमिटेड के उपाध्यक्ष डॉ. अनिल कुमार शर्मा ने 'निरंतरता में प्रान्तीय आयुर्वेदिक विज्ञान-एक समीक्षा में विश्व जैव प्रौद्योगिकी संबंधी

विचार विषय पर मुख्य भाषण दिया। इस पीक सेमिनार पुस्तिका का विमोचन किया गया। इस दौरान 14 मौखिक प्रस्तुतियां एवं 100 से ज्यादा पोस्टर प्रस्तुति शोधार्थियों द्वारा प्रस्तुत की गई। कार्यक्रम के मुख्य अतिथि प्रो. (डॉ.) ओ.पी. अग्रवाल, पूर्व कुलपति, जोधवाजी विश्वविद्यालय, ग्वालियर रहे। प्रथम तकनीकी सत्र की शुरुआत पोस्टर प्रेजेंटेशन से हुई जिसकी अध्यक्षता डॉ. राजेश सिंह तोमर, निदेशक, जैव प्रौद्योगिकी संस्थान डोन (एकेडोमिक्स) एवं अध्यक्षता डॉ. मनोप कुमार और डॉ. उतिसिंह हिनेने के अध्यक्षता

केव प्रौद्योगिकी एमिटी ने की। मुख्य तकनीकी सत्र की शुरुआत प्रो. डॉ. रघुवीर सिंह तोमर, जैविक विज्ञान, आई.आई.एस.इ.आर. भोपाल एवं प्रोफेसर (डॉ.) राजेश सिंह तोमर, निदेशक, एमिटी जैव प्रौद्योगिकी संस्थान तथा लीन (एकेडोमिक्स), एमिटी विश्वविद्यालय, (संयोजक राष्ट्रीय सेमिनार) को अध्यक्षता एवं सहअध्यक्षता में की गई, इस अनुरार पर प्रथम आमंत्रित आख्यान प्रो. डॉ. रघुवीर सिंह तोमर ने सेल्युलर होमोस्टैटिक रेगुलेशन को जेनेटिक्स और एपिजेनेटिक्स द्वारा विनियमित' विषय पर दिया। इस सत्र में दूसरा

आमंत्रित आख्यान डॉ. सैयद इम्तेयाज आलम, बैज्ञानिक ई. टी.आर.डी.ई., ग्वालियर द्वारा '1000 जीनोम एंड क्लोन्ड' विषय पर दिया गया। इसके बाद डॉ. नवीता जैन, जोधवाजी यूनिवर्सिटी, द्वारा गण्य श्वेत के रक्त क्षैत्र गठितों में जी.आर.सी.ए. रोगणु उत्पत्तिजनित विश्लेषण' विषय पर वीथिनक प्रस्तुति दी गई। इसके साथ ही विभिन्न समानंतर सत्रों में आमंत्रित वक्ताओं ने व्याख्यान दिये। सम्मान सत्र के दौरान मुख्य अतिथि डॉ. यू.डी. गुण, पूर्व निदेशक और वैज्ञानिक, नेशनल आलमा इंस्टीट्यूट फॉर

लेप्रोसीरेंडवार नाइकोबैक्टीरियल डिमोन (आईसीएमआर), अमरा और प्रो. वाइस चांसलर एच.ए.पी. प्रो (डॉ.) एम.पी. कोशिक ने प्रतिभागियों, छात्रों और संकाय सदस्यों को संबोधित किया। मुख्य अतिथि और प्रो-वाइस चांसलर द्वारा सर्वश्रेष्ठ मौखिक और सर्वश्रेष्ठ पोस्टर प्रस्तुतियों के लिए पुरस्कार विनिर्दिष्ट किया गया। द्वितीय राष्ट्रीय संगोष्ठी के संयोजक प्रो. (डॉ.) आर.एस. तोमर द्वारा समापन दिवसों एवं सत्र प्रस्तुत की गई। नेशनल सेमिनार के अर्धवार्षिक संचय डॉ. विकास शंवारतव ने धन्यवाद ज्ञापन प्रस्तुत किया।

पत्रिका PLUS
CITYLIVE
 GWALIOR THURSDAY 28/02/2019 } 16

city भास्कर
सिटी ACTIVITY
 GWALIOR, THURSDAY, 28/02/2019 . 02

एमिटी यूनिवर्सिटी में नेशनल सेमिनार कई स्टेज में विधिवत परीक्षण के बाद मार्केट में पहुंचती है मेडिसिन

पत्रिका PLUS रिपोर्टर
 ग्वालियर • मार्केट में ड्रग सहजता के पहले विश्व में विधिवत परीक्षण होता है। उसे कई स्टेज से होकर गुजरना पड़ता है। सबसे पहले ड्रग का परीक्षण समीत यूनिवर्सिटी पर फिर शिवा एमिटीएस पर उसके एकतम, रिपेक्शन देखे जाते हैं। इसके बाद ही कहीं उसे मार्केट में उतारा जाता है। हर संस्थान सीबीसीएफईए से अनुमति के बाद ही परीक्षण कार्य कर सकते हैं। यह बात एम्सएफई के रूप में उपलब्ध डॉ. उमेश शर्मा ने नेशनल सेमिनार के दौरान कही। यह सेमिनार एमिटी यूनिवर्सिटी में कंटेनट ट्रेड इन लाइफ साइंसेज विषय पर आयोजित किया गया था। कार्यक्रम की शुरुआत लेफ्टिनेंट जनरल वीके शर्मा, एबीएसएम के स्वागत भाषण से की गई।



सेमिनार पुस्तिका का विमोचन
 सेमिनार में अध्यक्षतावरण फ फार्मास्यूटिकल्स प्राइवेट लिमिटेड के उपाध्यक्ष डॉ. अनिल कुमार शर्मा ने 'निरंतरता में प्रान्तीय आयुर्वेदिक विज्ञान एक समीक्षा में निरंतर जैव प्रौद्योगिकी संबंधी विचार' विषय पर भाषण दी। इसके बाद मंच पर उपस्थित अतिथियों द्वारा सेमिनार पुस्तिका का विमोचन किया गया। इस दौरान 14 मौखिक प्रस्तुतियां एवं 100 से ज्यादा पोस्टर प्रस्तुति दी गई। कार्यक्रम के मुख्य अतिथि प्रो. ओपी अग्रवाल, पूर्व कुलपति, जोधवाजी यूनिवर्सिटी, ग्वालियर रहे। इस अवसर पर एमिटी के प्रो. वाइस चांसलर प्रो. एमपी कोशिक, प्रो. राजेश सिंह तोमर, प्रो. आरएस तोमर उपस्थित रहे।

City Plus बीमारियों में कारगर है एपिजेनेटिक्स इस पर चल रही है रिसर्च: तोमर



सेमिनार में पुस्तिका का विमोचन करते अतिथि
 ग्वालियर • कई प्रकार की बीमारियों में एपिजेनेटिक्स कारगर है। वर्तमान में इस पर कई एजेंट से रिसर्च चल रही है और अपने पहले समय में इसका अधिक से अधिक फायदा लोगों को मिलेगा। यह बात भोपाल से आए डॉ. आरएस तोमर ने कही। वह बुधवार को एमिटी यूनिवर्सिटी में कंटेनट ट्रेड इन लाइफ साइंसेज विषय पर आयोजित राष्ट्रीय सेमिनार में बोले रहे थे। इस सत्र के पर मुख्य अतिथि जेए के प्रो. ओपी अग्रवाल, एमिटी यूनिवर्सिटी के कुलपति वीके शर्मा, प्रो. वाइस चांसलर डॉ. एमपी कोशिक, प्रो. राजेश सिंह तोमर सहित देशभर से आए प्रतिभागी मौजूद रहे।

Tijoh Jain
Registrar
Amity University Madhya Pradesh
Gwalior

Event at a Glance

2nd National Seminar on Current trends in Life Sciences at a Glance



Lighting of the lamp by the Dignitaries



Hon'ble Vice Chancellor, Lt. Gen. V.K. Sharma, AVSM (Retd.) delivering the Opening remarks in Inaugural Session.



Prof.(Dr.) O.P. Agarwal, Former Vice Chancellor, Jiwaji University, Gwalior, Chief Guest of the Seminar delivering his address in Inaugural Session.



Dr. Anil Kumar Sharma, Vice President, AIMIL Pharmaceuticals India Ltd. New Delhi, Guest of Honour and Keynote Speaker, delivering his talk.

A handwritten signature in blue ink, appearing to read "Ajay Jain".

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Dr. Pratistha Dwivedi, Assistant Professor, AIB comparing the Inaugural Session.



Release of Abstract Book by the dignitaries



Dignitaries and Participants during the Seminar.



Prof.(Dr.) Raguvir Singh Tomar, IISER Bhopal delivering his Invited Talk during technical session.



Dr. U.D. Gupta and Prof.(Dr.) Rishi Saxena, Judges of the poster session, assessing the posters during presentation.



Dr. D. V. Kamboj, Scientist-‘G’, Biotechnology division, Defence R & D Establishment, Gwalior delivering his Invited Talk during technical session.



Prof. (Dr.) Mahendra Gupta, Jiwaji University, Gwalior delivering his Invited Talk during technical session.



Dr. SI Alam, Scientist- 'E', Biotechnology division, Defence R & D Establishment, Gwalior delivering his Invited Talk during technical session.

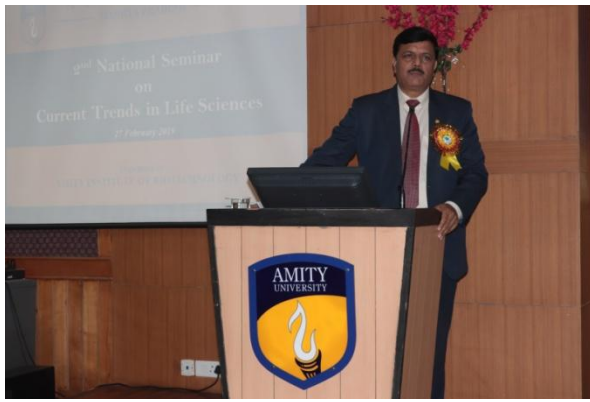


Dr. U.D. Gupta, Former Director and Scientist, ICMR-National JALMA Institute for Leprosy and Other Mycobacterial Diseases, Agra, Chief Guest in Valedictory Session addressing the participants.



Pro Vice Chancellor, Prof. (Dr.) M.P. Kaushik, addressing the participants in Valedictory Session.


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Prof.(Dr.) Rajesh Singh Tomar, Director AIB & Dean (Academics), AU MP, Gwalior and Convener of the Seminar, delivering the concluding remarks of Seminar.



Dr. Kajal S. Rathore from KRG College, Gwalior, receiving the award of Best Oral Presentation.



Ms. Tooba Mazhar, AIB, AUMP, Gwalior, receiving the award of Best Poster Presentation.



Dr. Vikas Shrivastava, Associate Professor AIB, AUMP, Gwalior and Organising Secretary of the Seminar proposing the Vote of Thanks.

Tijoh Jain
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