NAAC Reaccredited with A Grade

Sevadal Mahila Mahavidyalaya

Place for Higher Learning & Research (Research Academy)
Sakkardara Square, Umrer Road, Nagpur-440 024
E-mail: sevamahilamv@gmail.com

Website: www.sevadalmahilamahavidyalaya.ac.in

Report on

One Day Seminar on "Advanced trends in Chemical and Life Sciences"

Department of Chemistry

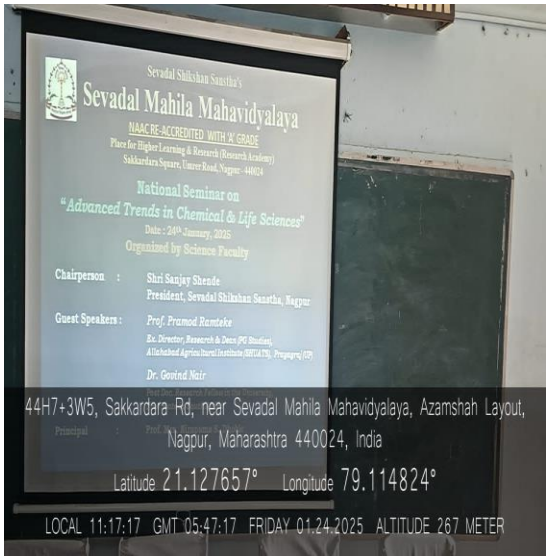
(2024 - 2025)

Report on

One Day Seminar on "Advanced trends in Chemical and Life Sciences"

The Department of Chemistry organized a One Day seminar on "Advanced trends in chemical and life sciences" on 24th Jan 2025 aiming to provide insight to the latest research and technological advancements in the fields of Chemistry and life sciences. This event brought together eminent academicians, researches, and students to explore recent advancements in the interdisciplinary domains of chemical and life sciences.

The seminar commenced with an inaugural session attended by dignitaries, faculties and students. First ofall traditional lamp ceremony was performed by the chief guest, speakers and the Principal of the college symbolising the dispelling of ignorance and the ushering in of knowledge and enlightenment. Then the programme commenced with the National Anthem fostering a sense of unity and patriotism among all attendees. The felicitation of the dignitaries was carried out with great Honour and warmth. The chief guest Shri Sanjay Shende, President Sevadal Shikshan Sanstha was presented with a floral bouquet as a token of respect and appreciation by Dr Bhandari, Head Microbiology Department. Prof Pramod Ramteke the guest speaker was felicitated with a memento and bouquet by Shri Sanjay Shende. The next guest speaker Dr Govind Nair was also felicitated by Prof N. S. Dhoble, Principal of the college with a memento and bouquet.



Digital banner of the Seminar

Dignitaries on the dias

Lighting of the lamp by the dignitaries

Dr A M Duragkar comparing the Program

Dr Bhandari felicitating Shri Sanjayji Shende

Shri Sanjayji Shende felicitating Prof Ramteke

Prof N.S.Dhoble presenting Memento to Dr Nair

Dr P.P.Chahande presenting bouquet to Principal

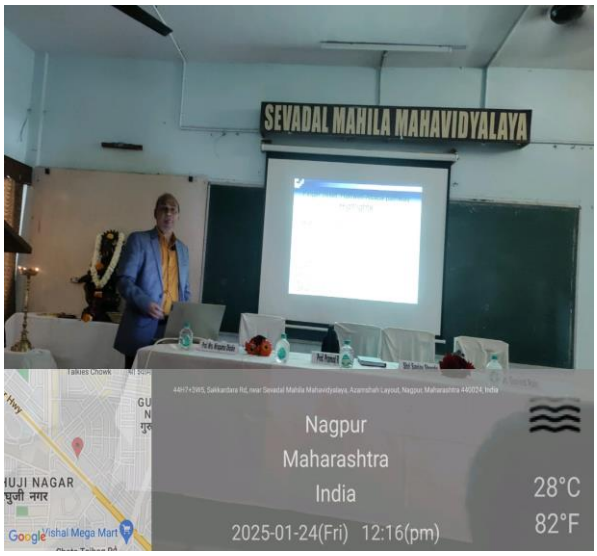
Following the felicitation, the chief guest Shri Sanjay Shende delivered the inaugural address focussing on the crucial role of research for sustainable development. He shared an inspiring address emphasizing the importance of inter-disciplinary research and the realworld applications of innovations in chemical and life sciences. He encouraged students and researchers to stay updated with emerging trends and to actively engage in collaborative scientific exploration. The keynote address was delivered by the Principal Prof N.S. Dhoble who introduced the theme of the event and highlighted its significance in today's rapidly evolving scientific landscape. She shed light on cutting – edge research developments and future directions in the field.

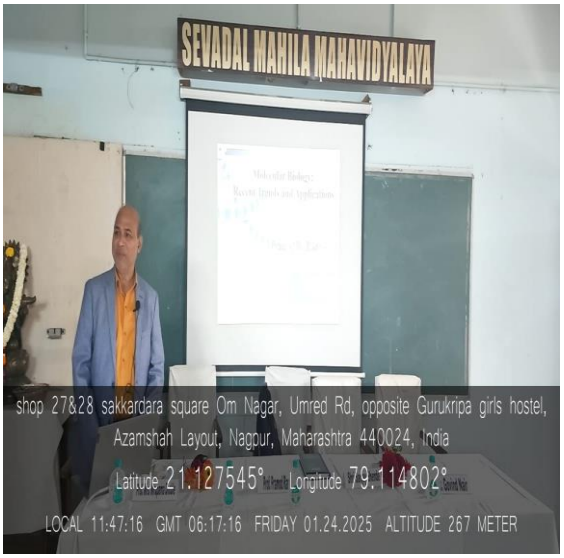
Shri Sanjay Shende delivering inaugural address

Prof N.S.Dhoble delivering key note address

The seminar featured two technical session covering a wide range of topics- "Advanced trends and applications in molecular biology" by Prof. Pramod Ramteke and "Illuminative clues! the marvel of phosphors in latent finger print detection." By Dr Nair.

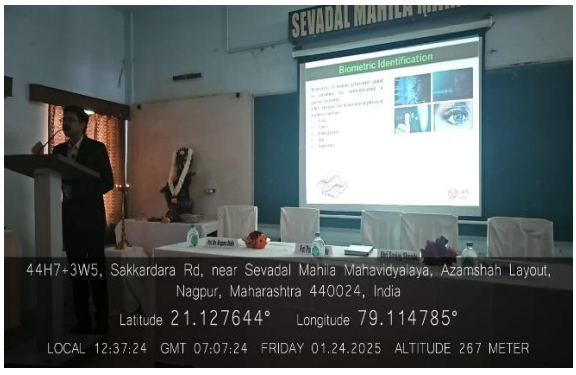
The first session was conducted by Prof. Pramod Ramteke Ex-director, Research and dean PG studies, Allahabad Agriculture Institute (SHUATAS), Prayagraj, (U.P). He explained that molecular biology is a branch that secks to understand the molecular basis of biological activity in and between the cells. He also explained that how it can be used for improving crops, its yiels and enhance nutrition . He said that it helps to protect crops from chemical pesticides and diseases. He also briefly explaine, the application of molecular biology to genrtically enhance crop tolerance to abiotic strss . The students were deeply benifited by his lecture. There was an interactive question and Answer round. Participants including students and faculty actively took part in discussion and knowledge exchange.





Prof Ramteke During his lecture

The second technical session was conducted by Dr. Govind Nair, Post. Doc research fellow in the University, free state in South Africa. He delivered his speech on the topic, “Illuminating clues! the marvel of phosphors in latent finger print detection.” In the lecture he explained the crucial role of phosphors based compounds in the detection of latent finger prints is specially on challenging surfaces. He briefly explained the methods of detection, types of luminescence and to detect LFP using coloured tuneable phosphors. The presentation highlighted the chemical principles behind the use a phosphors in revealing finger prints and its applications in modern forensic investigation. He explained the techniques such as luminescent tagging, powder formulation and reagent development with real world case examples students and faculties were highly engaged throughout the session insightful questions and participating in the interactive discussion. The talk not only defended the understanding of forensic chemistry but also showcased the practical significance of chemical sciences in crime investigation.



Dr Govind Nair During his lecture

Dr Govind Nair presenting Lecture Participants during the Seminar

The session concluded by vote of thanks by Prof. P.P. Chanhande, Head Department of chemistry appreciating speakers and also expressed heartfelt gratitude to all the dignitaries and participants. She also acknowledged the efforts of the organising team. Faculties and students.

The event proved to intellectually enriching and highly motivating for all the attendees. Both the lectures were educational and inspiring leaving the audience with a new appreciation for the role of Chemical and molecular Biology in solving real world problems.

Hitavada NAGPUR ■ Saturday ■ February 8 ■ 2025

FROM THE COLLEGES

Sevadal Mahila Mahavidyalaya

NATIONAL Seminar on 'Advanced Trends in Chemical & Life Sciences' was organised by Science Faculty of Sevadal Mahila Mahavidyalaya recently. The Guest Speakers were Prof Pramod W Ramteke, Ex-Director, Research & Dean (PG Studies), Allahabad Agricultural Institute (SHUATS), Prayagraj (UP) and Dr Govind Nair, Post Doctorate Research Fellow in the University, Free State in South Africa. Prof Pramod Ramteke delivered a presentation on 'Molecular Biology – Recent Trends and Application'. He explained briefly the application of Molecular Biology to genetically enhanced crop tolerance to abiotic stress. Dr Govind Nair delivered informative lecture on 'Illuminating Clues! The Marvel of Phosphors in Latent Fingerprint Detection'. In his lecture, he explained briefly the methods of detection, types of luminescence in latest fingerprint detection and also explained how to detect LFP using coloured tunable phosphors. The Chairperson was Sanjay Shende, President, Sevadal Shikshan Sanstha. Introductory remarks were given by Prof Nirupama S Dhoble, Officiating Principal. The programme was compered by Dr Arati M Duragkar and vote of thanks was proposed by Prof P P Chahande. P B Bhandari, Prof M P Patil, Dr A P Lambat, Prof V S Dongre, Prof P U Meshram, Prof A V Dorlikar and Dr S Nimbarte worked hard for the success of the seminar.

Colleges may send their news items on cityline@thehitavada.com

Dr P. P. Chahande proposing vote of thanks News of the Event in the Hitavada paper