



Our Inspiration
Hon'ble Late. Dadasaheb Alias Shankarrao Sherkar



Shri Jagadamba Vinkar Shikshan Sanstha's
Jagadamba Mahavidyalaya, Achalpur

(NAAC Re-accredited with B Grade)

Department of Chemistry

Organizes

National Conference

On

Development Trends and Techniques in Chemical and Material Sciences

(DTTcMS-2025)

10th January, 2025

Time- 9 am to 6 pm

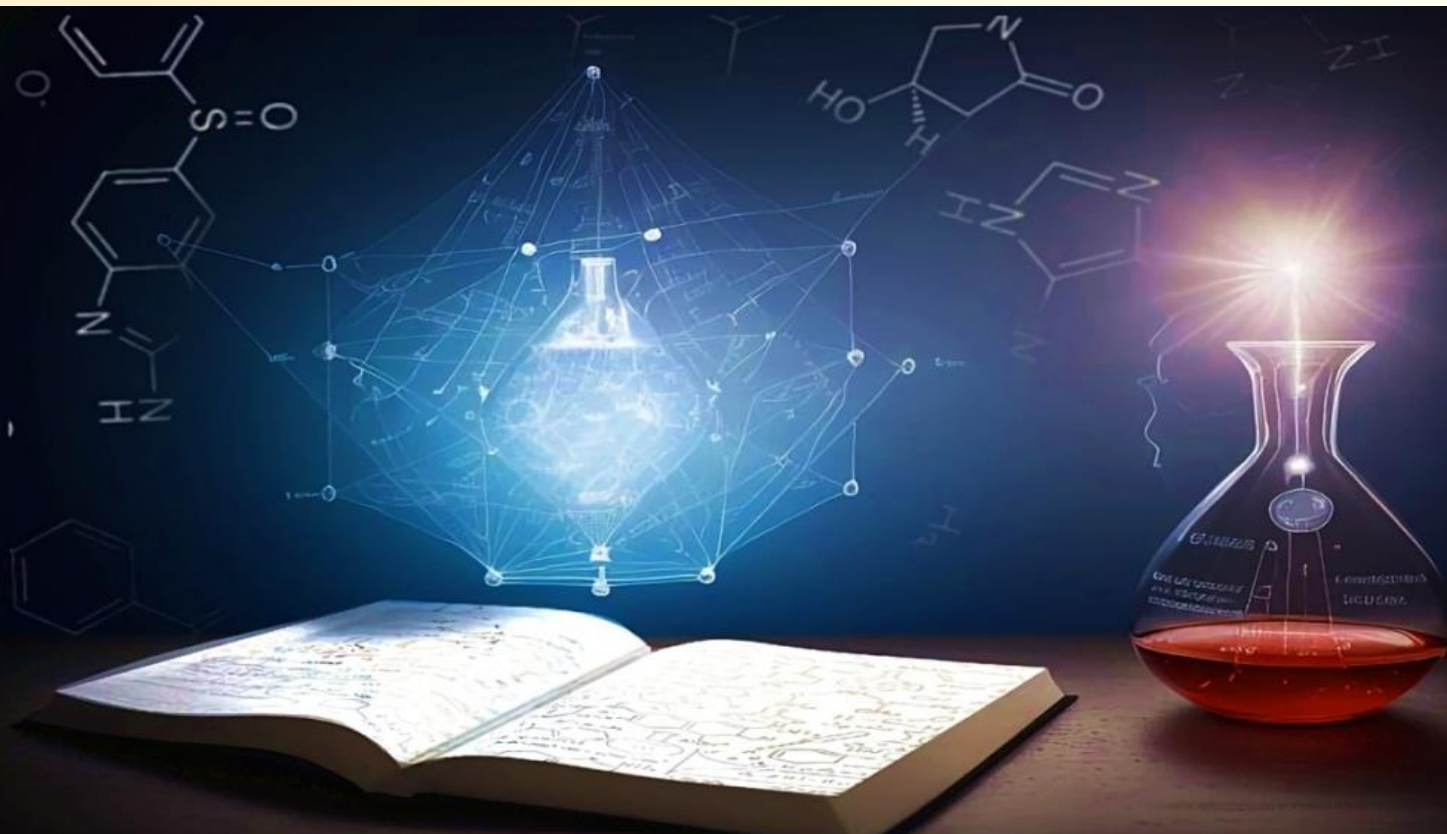
Venue

Conference Hall

Jagadamba Mahavidyalaya, Achalpur (City),

Meharabpura, Tehsil Road, Achalpur

Dist: Amaravti - 444806 (M.S.)



Our Patron



Hon'ble Shri R. S. Sherkar

President, JVSS, Achalpur

Chief Organizer



Dr. A. M. Kohale

**Principal
JMV Achalpur**

Organizing Secretary

Dr. M. S. Lunge

Convener

Dr. P. P. Kalbende

Co-conveners

**Ms. M. H. Shaikh
Dr. N. B. Jadhav
Dr. P. K. Tawalare**

**Dr. P. V. Raut
Dr. D. A. Pund
Dr. S. P. Ingole**

Coordinator

Dr. A. G. Khanderao

Dr. S. S. Padhen

Co-coordinator

**Dr. S. G. Khobragade
Dr. S. A. Waghmare
Dr. A. B. Wadekar**

About Conference:

This conference, "Development Trends and Techniques in Chemistry and Material Sciences", will delve into the forefront of molecular synthesis, exploring the latest advancements and innovative techniques shaping the field. We will study emerging trends in catalyst design and utilization, novel synthetic methodologies for complex molecules, and the application of artificial intelligence and machine learning to accelerate and optimize synthetic pathways. Discussions will encompass a wide range of topics, including green chemistry approaches, flow chemistry and the synthesis of functional materials with tailored properties. The conference aims to foster a collaborative environment where leading researchers, industry experts and students can exchange knowledge and inspire future breakthroughs in molecular synthesis. In addition to the rich exploration of molecular synthesis techniques, the conference will also host workshops and panel discussions designed to engage participants in hands-on learning and collaborative brainstorming. Moreover, the conference will highlight the crucial role of sustainable practices in molecular synthesis. As environmental considerations take center stage in scientific research, participants will engage in discussions about the principles of green chemistry, waste reduction strategies, and the design of safer, more efficient synthetic routes. Sessions will feature case studies demonstrating successful implementations of these principles in real-world applications, providing attendees with valuable insights into how sustainability can be effectively integrated into their work. By prioritizing sustainability alongside technological advancement, the conference will generate meaningful dialogue on the ethical responsibilities of chemists in driving innovation while respecting ecological boundaries.



Celebrating Academic & Research Contribution of Prof. Dr. D.T. Tayade on his Superannuation

Themes of Conference

- Recent Trends and Techniques in Organic, Inorganic and Complex molecules' synthesis.
- Green Synthesis
- Investigations in the studies of effect of synthesized molecules on various microorganism, plants and animals
- Recent Trends and Techniques in Nanotechnology and Nanomolecule Synthesis
- Phytochemistry and Proximate Analysis
- Chemistry of Natural Product
- Medicinal and Pharmaceutical Chemistry
- Recent Trends in Forensic Sciences
- Biological Investigations of Isolated or Synthesized Molecules
- Recent Trends in Computational Chemistry
- Recent Trends and Techniques in Physico-chemical Investigations of Molecules
- Polymer Science and Technology
- Solar and Fuel Cell, Green Energy
- Optoelectronics and Non-Linear Optics
- Luminescence, LED, Photonics
- Magnetism and Spintronics
- Crystal growth
- Quantum Computing and Modeling

Abstract Submission:

Only abstracts from registered candidates will be considered for presentation. Please indicate your choice of presentation format (oral or poster).

Abstract and Full length research paper should be sent to the following email address: dtcms2025@gmail.com.

Author Guidelines and Research Paper Submission:

Accepted Full Length Paper will be published in peer-reviewed Journal

(1) Language of paper writing is English. (2) Paper should be submitted in a word file format, in Times New Roman with following specifications (3) Title of paper: Capital letters (font size 12) (4) Abstract (font size 10 & spacing 1.5), for remaining Text font size 12 & spacing 1.5 Keywords, Introduction, origin of problem, Materials and Methods, Experimental, Result and Discussions. Conclusion, Acknowledgement References (Max.15)

Paper should be sent on –Email ID: dttcms2025@gmail.com

Oral and Poster Presentation:

Seven minutes will be given to each presenter for the presentation of his / her research work. The speakers should bring their presentations in both MS Power Point and PDF formats in a USB drive. Standard audio-visual equipment and presentation facility will be provided. A space of 1 x 1 meter size will be provided to poster presenter for display of each poster.

Awards:

Best Oral (3) and Poster (3) Presentation Awards will be given with the intention of recognizing one's contribution to the field and encouraging more active participation for betterment of the research fraternity as a whole.

Important Dates: (Last Date)

Registration : 15th December 2024

Full Length Paper Submission : 20th December 2024

Registration Fees Details

Categories	Registration (Before 24/12/2024)
Delegates/Faculty Members	Rs. 750/-
Industry Persons	Rs.1000/-
Research Scholars/ PG Student	Rs.500/-
Publication Charges	Rs. 500/-

Registration fee is to be paid by online mode only to the account details given below

Registration fees include conference kit, refreshment and lunch.

Last Date of Registration : 15th December 2024 upto 5.00PM

Bank Name : Sate Bank of India.

A/C Name : Principal, JMV, Achalpur City.

Branch : Achalpur City.

Account No. : 37175939796

IFSC Code : SBIN0013500

Registration link : <https://forms.gle/wtxAufKL8V2vmfkMA>

Join Whatsapp Group : <https://chat.whatsapp.com/GlrWcHxLxk43SylTdMX7RC>

National Advisory Committee

- Prof. M.V. Basveshwarao, (A.P.)
- Prof. S.G. Warkar (Delhi)
- Prof. S.V. Mohril (M.S.)
- Dr. Dileep Kumar (M.P.)
- Prof. J.J.Bhatt (Gujarat)
- Prof. M. Chand Jaipur (R.J.)
- Prof. M.K. Dwivedi (M.P.)
- Dr. Uma Shankar (Punjab)
- Dr. T.C.Nagawe (M.P.)
- Dr. Raja Ram (R.J.)
- Dr. S.K.Sikarwar (M.P.)
- Dr. S.T.Kozhikode (Kerla)
- Dr. D.S. Turuveli (T.S.)
- Dr. V.V. Wagh (U.P.)
- Dr. Bashir Lone (Kashmir)
- Prof. S.G. Shankarwar (M.S.)
- Prof. S. A. Waghuley (M.S.)
- Prof. S.T. Gaikwad (M.S.)
- Prof. N.S.Karde (M.S.)
- Dr.M.N.Lokande (A.P.)
- Dr. B.J.Lokhande (M.S.)
- Prof. M.R.Lanjewar (M.S.)
- Dr. Mazhar Farooqui (M.S.)
- Prof. Sayyad Husain (M.S.)
- Prof. M. V. Kalambe(M.S.)
- Prof. A. S. Goswami-Giri (M.S.)
- Prof. B.B. Shingte (M.S.)
- Dr. P.R.Rajput (M.S.)
- Prof. A.S.Aswar (M.S.)
- Prof. G.G.Muley (M.S.)
- Dr. S.S. Aswale (M.S.)
- Prof. P.B.Raghuvanshi (M.S.)
- Prof. H. S. Chandak (M.S.)
- Prof. G. R. Dhokane (M.S.)
- Prof. N.S.Thakre (M.S.)
- Dr. M Trivdi (Gujrat)
- Prof. R.G.Weginwar (M.S.)
- Prof. P.K.Rahangdale (M.S.)
- Prof. S.S. Rajput (M.S.)
- Prof. Nitin Dongarwal (M.S.)
- Prof. P.E.Ajamire (M.S.)
- Dr. K.M.Kulkarni (M.S.)
- Dr. N. S. Ugemuge (M.S)

Regional Advisory Committee

- Prof. S.V.Kolhe
- Prof. S.D.Thakur
- Prof. P.S.Bodkhe
- Prof. J.V.Bharad
- Prof. R.P.Ganorkar
- Dr. A.B.Dhote
- Dr. Samreen Farooqui
- Dr. D. M. Nagrik
- Dr. Zakir Khan
- Dr. N. V. Gandhare
- Dr. M.E. Shelke
- Dr. R.S. Shaikh
- Dr. R.C. Panpaliya
- Dr. S.P.Dhakite
- Dr. M.R. Raghuwanshi
- Dr. R.A.Bhagwatkar
- Dr. J.S. Waghmare
- Dr V.M.Raut
- Dr. M. M. Kodape
- Dr. A.M. Kshirsagar
- Dr. A.K.Bhagvatkar
- Dr. K.P. Jumde
- Dr. N.J. Meshram
- Dr. A.S. Shendge
- Dr. A.A. Dhande
- Dr. R.D. Thombare
- Dr. R.D.Isankar
- Dr.S.O.Mohod
- Dr. P.P.Barange
- Dr. P.R. Kale
- Dr. S.R. Khan
- Mr. S.E.Quazi
- Mr. M. Zade
- Dr. M.B.Dhande
- Dr. N.S. Dixit
- Dr. M.P.Wadekar

Local Advisory Committee

- Mr. L.R.Muley
- Dr.G.U.Khapekar
- Dr.P.G.Khapekar
- Dr.S.R.Pande
- Dr.A.S.Rawankar
- Dr.V.P.Deshmukh
- Dr.B.Y.Fugare
- Ms. M.S.Dixit
- Dr.T.A.Khadse
- Mr.D.M.Raut
- Mr.A.A.Pakhare
- Mr.S.C.Darunde
- Mr.D.G.Parate
- Dr.M.S.Shingrup
- Mr.P.S.Dhore
- Prof.B.G.Wankhade
- Dr.S.G.Charjan
- Dr.Imran Ali
- Dr.A.A.Pakhare
- Dr.M.D.Tayade
- Mr.P.A.Tale
- Dr.M.R.Datir
- Dr.K.B.Jogi
- Dr.S.G.Joshi
- Mr.T.K.Wahane
- Dr.V.B.Patil
- Mr.S.G.Gayakwad
- Dr.S.D.Gawali
- Dr.P.A.Vairalkar
- Dr.P.S.Barbde

How to Reach Achalpur City:

- 1) **By Air:** The airport Nagpur is 150 km away, Dr.Babasaheb Ambedkar International Airport, Nagpur.
- 2) **By Train:** The nearest railway station is Amravati, Badnera, Chandur Bazar, Betul and Akola.
- 3) **By Road:** Regular state transport buses are available from the bus station of Maharashtra State Road transport Corporation.

Accommodation:

Limited accommodation will be available on request in college campus with suitable charges

Further Contact Details

Dr. M.S.Lunge (Organizing Secretary)	:Mob.7218755336/9156633425
Dr. P.P.Kalbende (Convener)	:Mob. 8087106056
Dr.P.V.Raut	: Mob. 9850595023
Dr.S.S.Padhen	: Mob. 8329244687
Dr.S.A.Waghmare	: Mob. 9975887872
Dr.N.B.Jadhav	: Mob. 9970465291

About the College:

Jagadamba Mahavidyalaya was established by “Shri Jagadamba Vinkar Shikshan Sanstha, Achalpur City” in 1962 with Arts and Commerce faculties with the noble cause of imparting quality higher education to the students in the historical city of Achalpur and the adjoining rural belt, situated at the hilly area and bottom of Melghat region of Satpuda ranges. The hard laboring and visionary weaver community understood the educational need of the region, realized the importance of higher education and took the initiative to establish the college for the promising, poor and students belonging to underprivileged sections of the society. Science faculty was introduced in the college in 1971. The college runs UG and PG courses in Arts, commerce and Science faculties. In order to equip students with entrepreneurial skills and to encourage them for self employment, the college has also started 4 career oriented courses in Instrumentation, Agricultural Marketing, Fish Culture and Tissue Culture. The college boasts of a rich central library with more than 40,000 books. As per the mission statement “*Duritanche Timir Jao*” the Colleges work of imparting education is going on ceaselessly and the college is trying to make itself competent to face the new educational challenges. Our students regularly feature in the University Merit List, bags University Color Coats and participate in various competitions and bring laurels for the college. Jagadamba Mahavidyalaya has helped students to realize their dreams.

About Chemistry Department

The department of Chemistry was established in 1971 is one of the leading department in the field of teaching and research in Chemical sciences. Initially with B.Sc. Programme, keeping pace with advances in various aspects of Chemical sciences, P. G. programme was started in 2010 with organic chemistry specialization. In 2011 department had been recognized as Research Centre for Ph.D. Degree. Since its inception the progress of the department has been inextricably linked with the efforts of former Faculty members to name a few Hon’ble Prof. W. G. Gurharikar, Prof. R. M. Avinash, Prof. P. J. Bahad, Prof. R. G. Bhangale and Dr. P.G.Rohankar . Even though the department has significantly contributed in various academic and research areas it continuous to strive for excellence. Recently 04 faculties are working in this department namely Dr. P. P. Kalbende, Ms. M. H. Shaikh, Dr. N. B. Jadhao, and Dr. M. S. Lunge.

About the Chikhaldara and Tiger Reserve of Melghat

The sole hill station in the Vidarbha region, it is situated at an altitude of 1118 meters with highest elevation point 1188 meters and has the added dimension of being the only coffee-growing area in Maharashtra. Also, it is well known as Nandanwan of Vidarbha. Next to Chikhaldara, Melghat Tiger Reserve is situated on Gavilgarh Hill, a southern branch of Central India’s Satpuda Hill Range. It is 30 kilometres away from Achalpur. It was founded in 1967 as a wildlife sanctuary and



designated as a tiger reserve in 1974. It was one of the original nine tiger reserves recognised in 1973–1974 as part of Project Tiger, an effort to conserve wildlife launched in India in 1972 with the goal of preserving Bengal tigers. It was Maharashtra’s first tiger reserve. In terms of acreage, it is still one of the largest known as tiger reserves in

the nation. The term “Melghat” refers to the meeting of many “ghats” or valleys, which describes the characteristic topography of this tiger reserve. You can travel to Melghat by road, rail, and air (the nearest airport- is Nagpur). From a tourist’s perspective, Semadoh is the primary location. Another tourist destination in the Melghat Tiger Reserve is Narnala Sanctuary (base camp: Shahnur in the Akola district), where you may go on a jungle safari and see a fortification that dates back at least 600 years.

