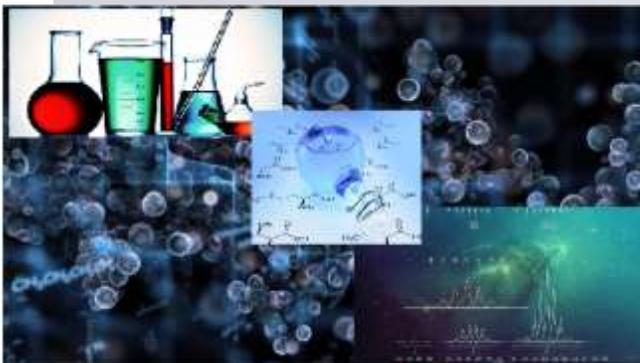




Government of Maharashtra's  
**Government College of Arts and  
 Science, Aurangabad 431 001**

*Celebrating 99<sup>th</sup> Years of  
 Establishment*

**Department of Chemistry**



Organizes

*One Day National Conference*

on

**'Advance Materials in  
 Research and Industries'**

**Date: 28, January-2022**

**About the Institution:**

Government of Maharashtra, Government College of Arts and Science, Aurangabad is one of the pioneering institution which has been founded and started in 22 September 1923. Though it was established as **Osmania Intermediate College**, over the years it grew into a full-fledged Arts and Science college. The history of higher education in Marathwada region is the history of the Government College of Arts & Science, Aurangabad. The college was established in 1923 at Aurangabad and since then it has been playing pioneering role in providing quality education in this society.

Chemistry Department is the oldest department of the college having separate junior and senior Laboratories; only college with Polymer Chemistry as Optional subject in Dr. BAMU.

**Objectives:**

The Department of Chemistry is **celebrating 99<sup>th</sup> years of establishment** of the college. Department focus to motivate the graduate students, post graduate students, academician, and industrial fellows for research and to generate the expertise in the field of Chemical Science. The main objective of the conference is to bring together the Scientists, Academician, Researchers, Industrial Experts, Post graduate students for the State and National level for:

- Exploring the scientific, experimental and analysis tools for the new research and analysis techniques concerning with organic, inorganic, analytical, biological and medical sciences and discuss how to incorporates new ideas in Laboratories and Industries.
- Exchange the thoughts, experience, views and ideas concerning the relative fields of academic institutions, research laboratories and industries for the better understanding and development of new research and analysis techniques.
- Established the mechanism for industry-research institute-college relationship.

**Time Table:**

Abstract Submission	<b>Till 15, January-2022</b>
Acceptance Notification	<b>10-18, January-2022</b>
Paper Submission	<b>25, January-2022</b>
Registration	<b>Before - 25, January-2022</b>

**For Submission and communication:**

**Dr. Bapu R Thorat**  
 Assistant Professor, Department of Chemistry,  
 Electronic submission (online submission): [gascachem@gmail.com](mailto:gascachem@gmail.com)  
**Shri. Ajaykumar Gandhi**  
 Assistant Professor, Department of Chemistry,  
 Electronic submission (online submission): [gascachem@gmail.com](mailto:gascachem@gmail.com)

**Resource persons:** Eminent Experts from reputed University and Industry will form the forum of resource persons.

**Date: 28-January, 2022**

**Venue:** Online tool (share link and other details of selected participants).

**Registration:**

It is advised to do advance registration for the conference on the following link to avoid last minutes hassle –

**For Registration:**

For participation: Rs. 100.00  
 Paper presentation: Rs. 250.00

**Link:** <https://forms.gle/xSZ4k9b6CDC9Qsre6>

**After acceptance of paper, author pay additional: Rs. 1000.00 (Paper publication required)**

**Account Details: Canara Bank**

**Account holder:** Principal, Government College of Arts & Science, Aurangabad

**Account Number:** 0233201002203

**IFSC:** CNRB0000233

**Branch Code:** 233

**MICR:** 431015003

**Official Language and other rules of the Conference:**

- The official Language of the conference will be English; no simultaneous translation or interpretation in other language shall be available.
- Selected candidate will be given 7 minutes for presentation of their work and 3 minutes for question answer session.
- For oral presentation, candidate should prepared PPT of his work and share online along with all participant during presentation.
- For poster presentation, candidate should prepared one sheet of poster for the presentation.
- It is advice that all selected participant should mail their PPT (oral) and Poster to technical team so it will share during his presentation.

**Call for Papers:**

- Authors are requested to submit the abstract of their papers not exceeding 250 words. The acceptance of abstracts will be communicated by organizer.
- The abstract should be with at least **4-5 keywords** and in Times New Roman Font with 12 Font size and 1.5 line spacing only.

The abstract can be send by **e-mail:** [gascachem@gmail.com](mailto:gascachem@gmail.com)

**Guidelines for paper submission:**

The paper must be written in English on A4 size paper with Times New Roman 12 Font, 1.5 line spacing. The name and affiliation of the corresponding authors must be mentioned and underline the name of presenting author. The poster size should not exceeds 100 cm x 75 cm area. (*Note: If paper published in ISBN or ISSN reputed book or journal, author should pay additional fee of the Journal*).

## Topic for paper:

- Synthesis of Novel Organic and Inorganic materials
- Metal complexes and its applications based on material science
- Heterocyclic compounds and its applications based on material science
- Transformation of laboratory synthesis to Industries.
- Analytical methods for analysis and evaluation of materials
- Biosensors
- Nanomaterial and its applications
- Drug development
- Electromagnetic, Luminescent materials
- Inorganic materials as catalyst in Industry
- Environmental Issues & its impact on society

## Organizing Committee:

### Chairperson:

**Dr. Rajendra H Satpute**

I/C Principal and Government College of Arts & Science

### Convenor:

**Dr. Babu R Thorat**

Assistant professor, Department of Chemistry, Government College of Arts & Science

### Co-Convenor:

**Dr. Syed Abed**

Associate professor, Department of Chemistry, Government College of Arts & Science

**Shri. Ajaykumar Gandhi**, Assistant professor, Department of Chemistry, Government College of Arts & Science

**Shri. Pavan Shinde**, Assistant professor, Department of Chemistry, Government College of Arts & Science

### Organizing Secretary:

**Dr. (Smt.) Archana D Chapolikar**

Head, Department of Chemistry, Government College of Arts & Science

### Members:

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**Smt. Sunanda P Chaure**

**Miss. Amruta Salve**

**Miss. Ashwini Awhale**

**Miss. Vaishali Jagtap**

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**Dr. Dinesh Lingampalle**



Government of Maharashtra's

# Government College of Arts and Science, Aurangabad 431 001

Department of Chemistry

[CELEBRATE 99 YEARS OF ESTABLISHMENT OF COLLEGE]

Organizes

## One day National Conference on “Advance Materials in Research and Industries”

**Date: 28-January, 2022**

Respected Sir/Madam,

Government of Maharashtra, Government College of Arts and Science, Aurangabad is one of the oldest College in Marathwada region Affiliated to Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (Dr. BAMU) and functioning since 1923. The Department of Chemistry is planning to organize a one day National Conference on ‘**Advance Materials in Research and Industries**’ on **28-January, 2022**. This conference provides a platform to interact with experts in Industries & Academics, Scientists & Young Researchers. The organizer invites research papers for oral and poster presentations.

We expect an audience including faculty, scientists and professionals from various research & academic institutions, corporate sectors and industries. We eagerly look forward your participation in the conference. The contributory papers are likely to be published in ISSN or ISBN reputed book or journal after peer review.

The registration form is available with the enclosed brochure as well as on college website – www. <https://www.gasca.ac.in> or register via a Google form link: <https://forms.gle/xSZ4k9b6CDC9Qsre6>.

With kind regards,

Sincerely,  
Convener

## **LOCAL ORGANISING COMMITTEE**

<b>Co-ordination Committee</b>	:	Dr. Bapu R. Thorat Shri Ajaykumar Gandhi
<b>Guest well come Committee</b>	:	Dr. (Smt.) Archana Chapolikar
<b>Registration Committee</b>	:	Shri Ajaykumar Gandhi
<b>Scientific/Technical Committee</b>	:	Shri. Pawan Shinde
<b>Editorial Committee</b>	:	Dr. (Smt.) Archana Chapolikar Dr. Syed Abed Dr. Bapu R. Thorat
<b>Oral &amp; Poster presentation Committee</b>	:	Dr. Bapu R. Thorat Shri Ajaykumar Gandhi
<b>Publicity and Photography Committee</b>	:	Dr. Syed Abed
<b>Anchor</b>	:	Shri Ajaykumar Gandhi

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<b>Chief Editor</b>	:	Dr. Bapu R. Thorat
<b>Dy. Chief Editor</b>	:	Shri Ajaykumar Gandhi
<b>Editors</b>	:	Dr. (Smt.) Archana Chapolikar Dr. Syed Abed Shri. Pawan Shinde



*Government of Maharashtra*

**Government College of Arts and Science, Aurangabad 431 001**

## **Department of Chemistry**

You are also cordially invited for the Inaugural Function of

**National Conference** on 'Advance Materials in Research and Industries'

By

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**Chief Guest**

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on

Friday, 28<sup>th</sup> January - 2022, 10.00 a.m.

Online (via online platform)

## INDEX

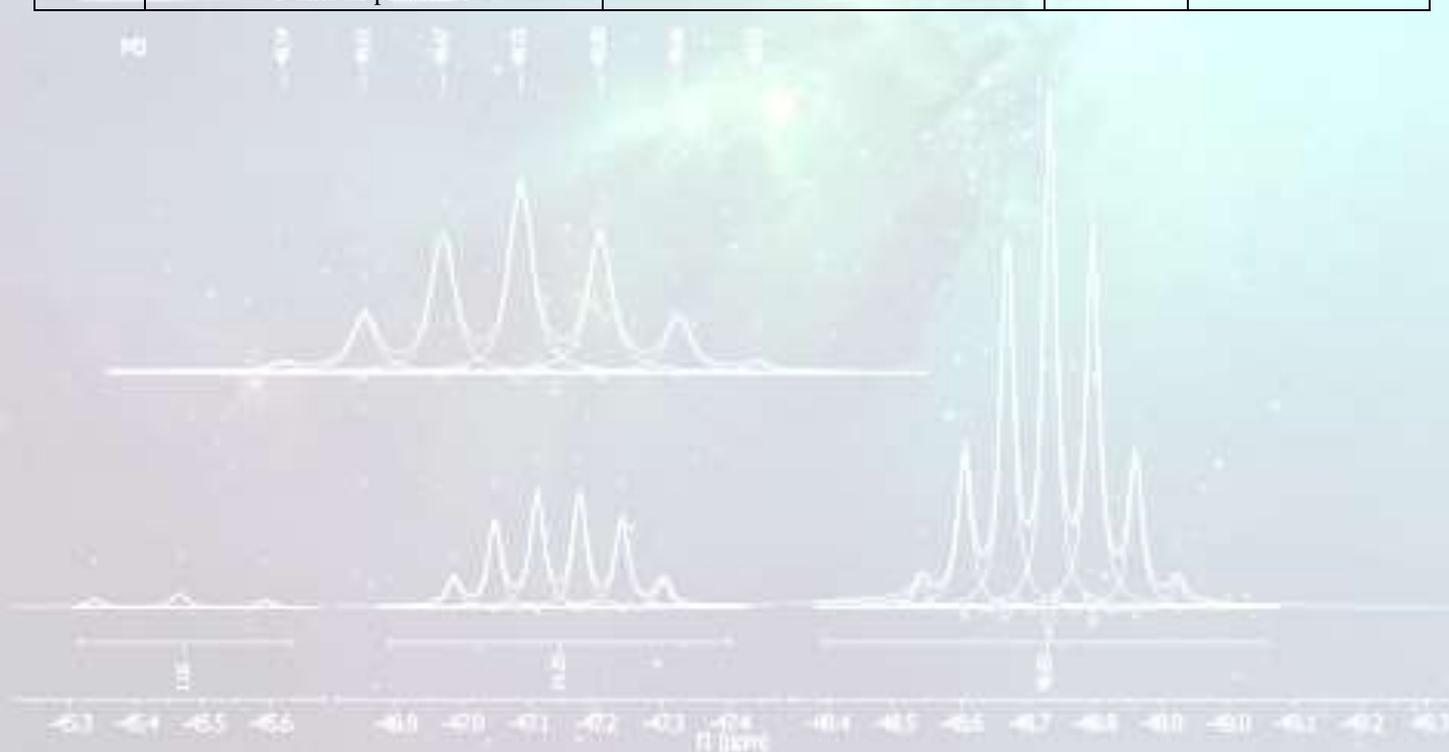
The following papers are selected for Oral presentation.

Sr. No.	Title of Paper	Name of institution & e-mail Id	Abstract No.	Session & time of presentation (tentative)
	<b>Title of paper</b> Name of presenter		O-	

## INDEX

The following papers are selected for Poster presentation.

Sr. No.	Title of Paper	Name of institution & e-mail Id	Abstract No.	Session & time of presentation (tentative)
	<b>Title of paper</b> Name of presenter		P-	



# Conference Proceeding

**Title of conference:**

**From Principal & Chairperson Desk:**

**Convenor message:**

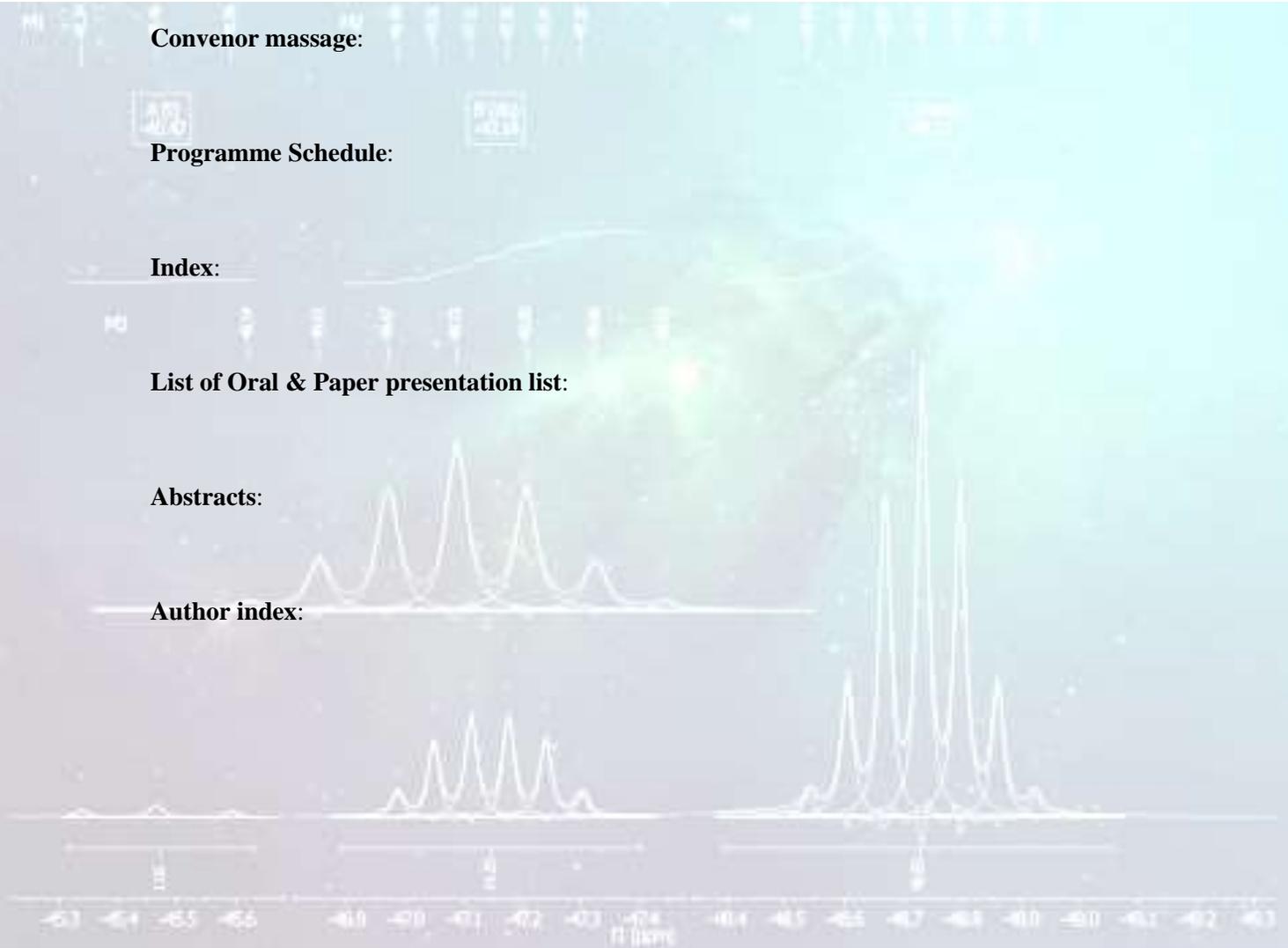
**Programme Schedule:**

**Index:**

**List of Oral & Paper presentation list:**

**Abstracts:**

**Author index:**





Government of Maharashtra's

# Government College of Arts and Science, Aurangabad

Established: 1923

NAAC RE-ACCREDITATED 'A Grade'

National Level Conference – “Advance Materials in Research and Industries”  
Welcome You in

# Inaugural Function

**Chief Guest**



**Dr. Dinesh N. Sawant** (Scientist, NCL Pune)



**Chairperson**



**Dr. Rajendra Satpute** (I/C Principal)

**Date:** 28.01.2022

**Time:** 10.00 am.

**Venue:** Government College of Arts and Science, Aurangabad (host).



Government of Maharashtra's

# Government College of Arts and Science, Aurangabad

Established: 1923

NAAC RE-ACCREDITATED 'A Grade'

National Level Conference – “Advance Materials in Research and Industries”  
Welcome You in

# Valedictory Function



Chairperson



Dr. Rajendra Satpute (I/C Principal)

**Date:** 28.01.2022

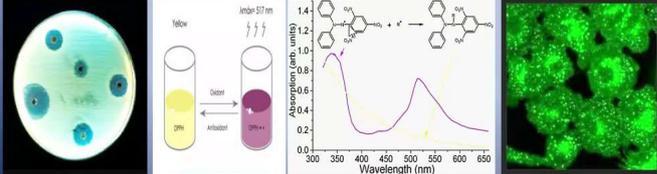
**Time:** 05.30 pm

**Venue:** Government College of Arts and Science, Aurangabad (host).

karun sodah is presenting

### Biological activities shown by 2 – amino thiazole azodyes show

- Antibacterial properties against gram positive & gram negative bacteria.
- Antioxidant activity using DPPH radical scavenging activity. These dyes showed considerable antioxidant activity.
- moderate anticancer activity against A – 549 lung cancer cell lines & normal healthy skin cell line L – 929 – invitro cytotoxicity.



Zone of Inhibition Anti oxidant activity using DPPH A -549 cell lines

#### People

- Mute all
- Add people
- Host controls

Search for people

#### In call

- bapu thorat (You) Meeting host
- Chemistry GASCA
- Deepa Gupta
- Gaurav Detha
- Goskulwad Santosh
- GURUMEET WADHAVA
- hari harish
- karun sodah
- karun sodah Presentation
- Minakshi Bhatu
- PAVAN DHURANDHAR
- Pavan Shinde
- Prakash Ubale Patil
- prasad ubale
- Prashant Harale
- pratiksha borse
- pratiksha borse
- Raj Manjul
- Raj Manjul
- rohan narkar
- rohan narkar
- Sanket SHIRSATH



Goskulwad Santosh is presenting

People ✕

Mute all Add people Host controls

- A Arcana Chaponkar 🔇 ⋮
- C Chemistry GASCA 🔇 ⋮
- D Deepa Gupta 🔇 ⋮
- Dinesh Hari Bhosale 🔇 ⋮
- Dr. Samreen Farooqui 🔇 ⋮
- G Gaurav Dethe 🔇 ⋮
- Goskulwad Santosh 🔊 ⋮
- GURUMEET WADHAVA 🔇 ⋮
- hari harish 🔇 ⋮
- karun sodah 🔇 ⋮
- M Minakshi Bhatu 🔇 ⋮
- P Pavan Shinde 🔇 ⋮
- prasad ubale 🔇 ⋮
- pratiksha borse 🔇 ⋮
- Raj Manjul 🔇 ⋮
- Ravikumar Borade 🔇 ⋮
- rohan narkar 🔇 ⋮
- S sampat hetal 🔇 ⋮
- S Shantala Shanbhag 🔇 ⋮
- S Skh. sk 🔇 ⋮
- Suraj Mali 🔇 ⋮
- S Syed Abed 🔇 ⋮
- Veena Khilnani 🔇 ⋮
- Vijay Desale 🔇 ⋮

**Introduction**

**Supramolecular chemistry**

- The chemistry beyond the molecule or chemistry of non-covalent bond.
- The molecular components are held together and organised by means of non covalent binding interactions.

Interdisciplinary of Supramolecular chemistry

Goskulwad Santosh





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Department of Chemistry  
[CELEBRATE 99 YEARS OF ESTABLISHMENT OF COLLEGE]

## Abstract Proceeding e-Booklet

One day National Conference on “Advance Materials in Research and Industries”

Date: 28-January, 2022

Inaugurated by



**Dr. Dinesh Sawant**  
NCL, Pune



**Dr. Rajendra H Satpute**  
I/C Principal