

SCHOOL OF CHEMICAL SCIENCES

REPORT

One-day National Seminar on "RECENT TRENDS IN APPLIED ORGANIC SYNTHESIS" on 26th November 2022

School of Chemical Sciences (SCS), Goa University in association with Syngenta Biosciences Pvt. Ltd. Goa and Chemistry Department Faculty & Alumni Association, Goa University organized a One-day National Seminar on "RECENT TRENDS IN APPLIED ORGANIC SYNTHESIS" on 26th November 2022 at Chemistry Auditorium, SCS, Goa University

Organising Committee

Coordinator: Dr. Rupesh Patre Co-Coordinator: Dr. Sandesh Bugde
Members: Dr. Hari Kadam, Dr. Prachi Torney, Dr. Prajesh Volvoikar

For the inaugural function, Dean Prof. V. M. S. Verenkar welcomed the Chief Guest Dr. Bhanu Manjunath, Director, Syngenta BioSciences Pvt. Ltd., and the other dignitaries and delegates for the one-day national seminar at SCS. Dean mentioned about the teaching activities and research progress ongoing at SCS. Being the treasurer and one of the founder member of CDFAA, he also explained about the motive behind establishing the faculty and alumni association and the various activities undertaken by CDFAA to support the students.

Prof. R. N. Shirsat being the President and also one of the founding member of CDFAA explained the developments in CDFAA since its inception in 2006. Dr. Sitaram Pal, Senior Group Leader, Syngenta BioSciences Pvt. Ltd., during his speech mentioned about his association with Chemistry dept of Goa University for past 15 years. Prof. S. G. Tilve, UGC-BSR Senior Professor at SCS mentioned about his plans of promoting a seminar after COVID with the help of resource persons from IITs. Prof. Tilve introduced the Chief Guest Dr. Bhanu Manjunath. Dr. Bhanu Manjunath completed PhD from IICT Hyderabad and after working for several years in pharma industries, joined the Syngenta Biosciences Pvt. Ltd. as Director.

Dr. Bhanu Manjunath in his address to the gathering mentioned about applicability of the seminar theme to the recent needs of the scientific fraternity. He explained about the chemistry being explored in industry particularly the organic synthetic process in industries and highlighted about the need for Green and sustainable chemistry. Chief guest also focussed on the Carbon foot print concepts in international development.

The Chief Guest and the dignitaries on the dais were welcomed with flowers. Other special dignitaries Prof. K. S. Rane Retired faculty of SCS presently working as Emeritus Professor at Rani Channamma University, Belgavi was also welcomed with flowers. Vote of Thanks for the Inaugural function was presented by Seminar Coordinator Dr. Rupesh Patre. Inaugural session was compered by Ph.D student of SCS Ms. Siddhi Salgaonkar.

A tea break in a meanwhile was followed by the technical sessions. The 1st and 2nd technical session was chaired by Dr. Sitaram Pal. Dr. Prachi Torney introduced the chairperson Dr. Sitaram Pal. The resource person for the 1st technical session Prof. Manas Ghorai, from IIT-Kanpur delivered his session on DROC and ROC of small ring Aza-heterocycles. Prof. Ghorai explained about the aziridines and azetidines heterocyclic structural motifs with specific examples of synthesis of Spiropiperidines, Indolinones, hexahydroimidazoquinolines, dioxazinones, oxadiazepines, along with mechanism involved in their synthesis. He also explained about Use of magic blue, conjugated organic polymers and dynamic kinetic resolution.

The resource person for the 2nd technical session Dr. Rishikesh Narayan from IIT-Goa delivered his session on Sustainable Catalytic Cross-Dehydrogenative Coupling of Furan. He explained about his ongoing research in cross dehydrogenative coupling of electron rich heterocycles such as furan and indole, oxidative functionalisation, use of earth abundant metals like Copper, etc. He also mentioned about furan-indole biaryls, 2,4-disubstituted furan and aryl furans from bromo-enol phosphates and 2-furan-3-indole coupling.

After the lunch break, poster session was available with poster presented by research students from SCS as well as other Universities.

The 3rd and 4th technical session was chaired by Prof. S. G. Tilve. Dr. Sandesh Bugde introduced the chairperson Prof. Tilve. The resource person for the 3rd technical session Prof. Mainak Banerjee from BITS-Goa delivered his session on Mechanochemistry: A green and sustainable tool for Organic Synthesis. Prof. Banerjee explained the grinding stone chemistry particularly for synthesis of benzazoles, quinoxalines, oxazoles and also for Iodine catalysed imidazopyridines and halogenation of aromatic ring. He further mentioned about his current research with ball milling technique for arylation, alkenylation of indole, synthesis of unsymmetrical azines, dyes, Duff reaction and also his work on chemosensors.

A tea break in a meanwhile was followed by the last technical session. The resource person for the 4th technical session Dr. Mangala Phadte, Group Leader from Syngenta Biosci. Pvt. Ltd. Goa delivered her session on Spiropidion Discovery: Broad Spectrum control of sucking pests and mites for multicrop utility. She explained about the synthesis of spiropidion and its application for crop protection. She highlighted the various synthetic methods involving Strecker reaction, Ugi 4 component reaction, the mode of action, proinsecticides, SAR studies of Spiropidion and the success story of this compound on tomato cultivation in China.

In the Valedictory function, a summary of this one-day national seminar was read out by Dr. Hari K. Kadam. All the resource persons were presented with memento by the chairperson of technical sessions. The chairpersons of the technical session were presented with memento by the organising team. All the other state participants and affiliated college participants were presented with certificates on the stage and feedback from participants was invited. Participants provided appreciative and constructive feedback for the activity. Vote of Thanks were presented by Dr. Prajesh Volvoikar. Valedictory session was compered by Ph.D student of SCS Ms. Gayatri Kotkar. Other Ph.D students of SCS involved in various

arrangements for this seminar were Mr. Leo D'Souza, Mr. Pritesh Khobrekar, Ms. Madhuri Gaikwad, Ms. Lalitprabha Salgaonkar, Ms. Priyanka Kavlekar, Mr. Vignesh Naidu, Ms. Apeksha Naik, Ms. Sonali Gaonkar.

Participation for this one-day national seminar was amassed by students and faculty from SCS, Goa University, affiliated colleges of Goa University, as well as from other state university. Participation for industries was also noted from nearby industries. Paper presentation in the poster form was noted from research students from SCS and other state university.

The copy of brochure, registration sheets, and photos are enclosed.



Reported by
Dr. Hari K. Kadam

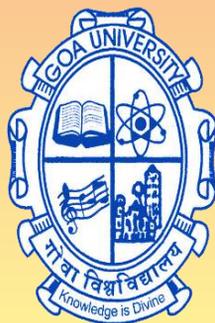


Coordinator
Dr. Rupesh Patre



Dean
School of Chemical Sciences





**GOA UNIVERSITY
SCHOOL OF CHEMICAL SCIENCES**

**In Association With
CHEMISTRY DEPARTMENT FACULTY &
ALUMNI ASSOCIATION (CDFAA)
&
SYNGENTA BIOSCIENCES PVT. LTD.,
GOA**

**organizes
One Day National Seminar
RECENT TRENDS IN APPLIED ORGANIC
SYNTHESIS**

on SATURDAY, 26TH NOVEMBER 2022

**at
CHEMISTRY AUDITORIUM
SCHOOL OF CHEMICAL SCIENCES
GOA UNIVERSITY**

TENTATIVE SCHEDULE

09:30 to 10:00 a.m.	Registration
10:00 to 10:30 a.m.	Inaugural session Chief Guest: Dr. Bhanu Manjunath, Director, Syngenta Biosciences Pvt. Ltd., Goa
10:30 to 11:00 a.m.	Tea
Session Chair: Dr. Sitaram Pal, Senior Group Leader, Syngenta Biosc. Pvt. Ltd. Goa	
11:00 to 12:00 noon	SESSION-I: DROC and ROC of small ring Aza-heterocycles Speaker: Prof. Manas Ghorai, IIT-Kanpur
12:00 to 01:00 p.m.	SESSION-II: Sustainable Catalytic Cross-Dehydrogenative Coupling of Furan Speaker: Dr. Rishikesh Narayan, IIT-Goa
01:00 to 02:00 p.m.	Lunch
02:00 to 02:30 p.m.	Poster Presentation
Session Chair: Prof. Santosh Tilve, UGC-BSR Senior Professor, SCS, Goa University	
02:30 to 03:30 p.m.	SESSION-III: Mechanochemistry: A green and sustainable tool for Organic Synthesis Speaker: Prof. Mainak Banerjee, BITS-Goa
03:30 to 03:45 p.m.	Tea
03:45 to 04:45 p.m.	SESSION-IV: Spiropidion Discovery: Broad Spectrum control of sucking pests and mites for multicrop utility Speaker: Dr. Mangala Phadte, Syngenta Biosci. Pvt. Ltd. Goa
04:45 to 05:00 p.m.	Valedictory

Advisory Committee

Prof. V. M. S. Verenkar, Dean, School of Chemical Sciences, Goa University
Prof. S. G. Tilve, Senior Professor, UGC-BSR, SCS, Goa University
Dr. Sitaram Pal, Senior Group Leader, Syngenta Biosciences Pvt Ltd. Goa
Prof. R. N. Shirsat, President, CDFAA, Goa University

Organising Committee

Coordinator: Dr. Rupesh Patre Co-Coordinator: Dr. Sandesh Bugde
Members: Dr. Hari Kadam, Dr. Prachi Torney, Dr. Prajesh Volvoikar

Poster Presentation

Research Poster should be of size around 1 X 1 metre in dimension.
Participants shall submit abstracts of their original research work for poster presentation.

Abstract format

Abstract submission is by email to scsevents@unigoa.ac.in. One page abstract with around 3-4 references, Font: Times New Roman; Size: 12 Pt.; Justified; single spacing throughout the abstract. Title: bold; Centered. Authors and institute name and address in italics. Body text should be followed by figures/schemes if any and then references.

Important Dates: Last date for Poster abstract submission : **24th Nov 2022, by 4pm.**

Last date for registration/fee payment: **24th Nov 2022**

Seminar Date: **26th Nov 2022**

Registration: PARTICIPATION is by registration only on this link
<https://forms.gle/yemWqdsLwkHEXayXA>

Fees Non SCS Students: Rs. 250/- Non SCS Faculty: Rs. 500/-
Industry Participants: Rs. 1,000/-

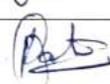
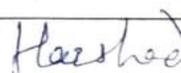
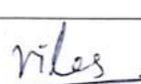
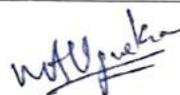
Bank Details: A/c No.: 10664506711 IFSC code: SBIN0004311

For more details, Please contact Dr. Hari Kadam +917030965978, scsevents@unigoa.ac.in

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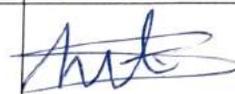
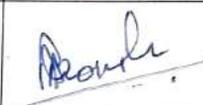
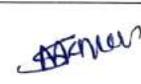
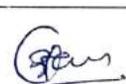
Sr. No.	Name	Class (MSc Part-I / MSc Part-II / PhD student)	Signature
1	Shete Shrikant Abhimanyu	Ph.D student	
2	Birajdar Siddharaya D.	Ph.D. student	
3	Dinesh N. Nadimetta	Ph.D. student	
4	Vishal C. Rane	Ph.D. student	
5	Narmata Kumari	Ph.D student	
6	Ratan W. Jadhav	- -	
7	Harshad Mizgane	- -	
8	Vilas Gawade	- -	
9	Manasi Ugvekar	"	
10	APRISHA H. HAIK	"	
11	Disha Gouns	"	
12	Sonalika Gounskar	"	
13	Vignesh Naidu	"	

14	Nitesh G. Vengli	Ph.D student	<u>Vengli</u>
15	Mansi Harkare	MSc Chem Part - I	<u>Harkare</u>
16	Priya Singh	Msc chem Part - I	<u>Singh</u>
17	Siddhi K. Salgaonkar	Ph.D. student	<u>Salgaonkar</u>
18	Ketan S. Mandretar	Ph.D. student	<u>Mandretar</u>
19	Priyanka Karalekar	Ph.D student	<u>Karalekar</u>
20	Lalitprabha Salgaonkar	Ph.D student	<u>Salgaonkar</u>
21	Shivani Desai	MSc. PART-I	<u>Desai</u>
22	Tanvi Kankonkar	MSc PART I	<u>Kankonkar</u>
23	Chandrakant Raut	MSc PART I	<u>Raut</u>
24	Madhuri Gaikwad	PhD Student	<u>Gaikwad</u>
25	Pritesh P. Khobrekar	PhD Student	<u>Khobrekar</u>
26	Gayatri Kothkar	PhD student	<u>Kothkar</u>
27	Maujeeta Gaonkar	MSc Biochem	<u>Gaonkar</u>
28	Santoshi Naik	M.Sc. Biochem	<u>Naik</u>
29	Zyoti Bhosli	Msc Biochem	<u>Bhosli</u>
30	Leo F. B. D'Souza	PhD	<u>D'Souza</u>
31	Tanavi V. Tari	Msc part I	<u>Tari</u>

32	Aksha S. Chari	MSc Part I	<u>Chari</u>
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34	Fredal x. Fernandes	MSc Part I	<u>Fernandes</u>
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39	Jeffrey L. Viegas	Ph.D. student	<u>Viegas</u>
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41	Gayatri A Gawade	MSc Biochemistry part I	<u>Gawade</u>
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43	Steffi Velpula	MSc Biochemistry Part I	<u>Velpula</u>
44	Nikita Kumari	MSc Part I Chemistry	<u>Kumari</u>
45	Deepti Mohite	MSc Part I Chemistry	<u>Mohite</u>
46	Mark Rodrigues	MSc Part I Chemistry	<u>Rodrigues</u>
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48	Parag -P. Naik	MSc Part I Chemistry	<u>Naik</u>

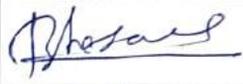
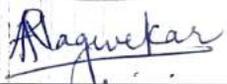
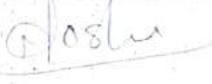
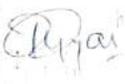
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95	Gajain Desai	MSc Chem.	
96	Shubham Naik	MSc on chemistry	
97	Sudin Menon	MSc in Biochemistry	
98	Brijesh Gaonkar	MSc. in Biochemistry	
99	Deepraj. Naik	MSc in Chemistry	
100	Yash Utekar	MSc Chemistry	
101	Aishwarya Anil Naik	MSc in Chemistry part II	
102	Suyash. S. Sangaonkar	MSc in Chemistry Part II	

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FACULTY of SCS

Sr. No.	Name	Signature
1	Prof. Sheshanath V. Bhorde	
2	Dr. Sandesh Buzde	
3	Rupern A. Kunkalkar	
4	Anjani P. Nagvekar	
5	Pranay P. Morye	
6	Dr. Kedar U. Sawade	
7	Vishnu R. Chari	
8	Dr. Kaushammala Deshpande	
9	Dr. Savita A. Kundekar	
10	Dr. Nitesh Govind Joshi	
11	Dr. Rita N. Jyoti	
12	Dr. Mani K. Kadam	

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INDUSTRY PARTICIPANTS

Sr. No.	Name	Affiliation	Payment Date	Rs. 1000/- Transaction No.	Signature
1.	Dr. Sanjay Raikar	Unichem Ltd.	24-11-2022	232810714574	
2.	Dr. Sitaram Pal	Syngenta Bioscience Pvt. Ltd.	-	-	
3.	Dr. Mukul Lal	Syngenta Bioscience Pvt. Ltd.	-	-	

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FACULTY OTHER THAN SCS

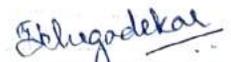
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Sr. No.	Name	Affiliation	Payment Date	Transaction No.	Signature	
✓ 1	Ms. Vruta V. Kadkade	Dnyanprassarak Mandal's College and Research Centre, Assagao-Goa.	23-11-2022	23270146986		
✓ 2	Ms. Aishwarya Nazare	Government College of Arts, Science & Commerce, Khandola	24-11-2022	232826559445		
✓ 3	Dr. Pratibha V. Bakre	Government College of Arts, Science & Commerce, Khandola	24-11-2022	232831336002		
✓ 4	Dr. Abhijit D. Shetgaonkar	Dnyanprassarak Mandal's College and Research Centre, Assagao-Goa.	25-11-2022	232911860200		
✓ 5	Dr. Shashank N. Mhaldar	Shenpe College of Arts and Science, Marduar, Goa	26-11-2022	Cash		Paid
✓ 6	Ms. Kathleen C. Pinto	St. Xavier's College, Mapusa	26/11/2022	Cash		Paid
✓ 7	Ms. Meera S. Menes	Govt. College of Arts & Science, Dapra	26/11/22	Cash		Paid

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STUDENT OTHER THAN SCS

Sr. No.	Name	Affiliation	Payment Date	Rs. 250/- Transaction No.	Signature
1	Bhagawan-Vilas Patil	Shivaji University, Kolhapur	21-11-2022	232511344853	
✓ 2	Tejaswini Narayan Jelugadekar	DM's College, Assagao, Goa	22-11-2022	232678928354	
✓ 3	Mridula Jain	DM's College, Assagao, Goa	23-11-2022	232723241678	
✓ 4	Rohit Ramdas Kunkaliekar	DM's College, Assagao, Goa	23-11-2022	232787069986	
✓ 5	Mayur Mukund Korkankar	DM's College, Assagao, Goa	23-11-2022	232792070257	
6	Krishna Mhaske	IIT Goa	24-11-2022	232809657090	
7	Shon		24-11-2022	232848299390	
8	Mr. Mahesh Sutar	Do. Ghalli college Gadhinglaj, MH.	26/11/2022	cash	

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