



School of Applied Sciences

Department of Chemistry

Organized Invited Talk under “Science Appreciation Club”

REPORT

Department of Chemistry, School of Applied Sciences, REVA University, Bangalore, **organized invited Talk “Introduction to material science and its application” on 13th SEPTEMBER 2024 from 11:00 AM to 12.00 PM at Library Seminar Hall, REVA University** as a part of the knowledge sharing program for the benefit of students, research scholars and faculty.

Resource person:

Dr. C Shivakumara

Principle Scientist

SSCU, IISc

Organizers:

Dr. Shwetha K R

Dr. Ramakrishna Reddy K

Dr. C. Shivakumara is working as a Principal Research Scientist at the department of Solid State and Structural Chemistry Unit, Indian Institute of Science, Bangalore. He obtained M. Sc. degree from University of Mysore and Ph. D from Indian Institute of Science, Bangalore. He was a Postdoctoral Associate at Virginia Tech, USA in the year 2002. He was visiting scientist at University of Bordeaux, France in the years 2005, 2008, 2016, 2023 also European country - Croatia in 2018 and Singapore in 2019.

Research Area: His main research area - Solid State and Materials Chemistry, Low temperature synthesis, High Temperature Superconductivity, Magnetic Materials, Nanomaterials. Powder X-ray diffraction, Structural refinement by Rietveld refinement method. Currently, he is working on phosphor

materials for LEDs and photo catalysis for environmental remedy applications. Graphene-polymer composite materials for EMI shielding applications.

Publications: He published more than 200 research papers in International and National Journals, his citation called H-Index - 50 (Based on Web of Science). Google scholar citation more than 8850. Google Scholar H-index = 56 and I10- index = 167. ICSD (Inorganic Crystal Structure database) has considered his 82 compounds data entries as a standard in the ICSD database.

He is one of the **Top 2% Scientist from India in Materials Science:** Based on the survey done by Stanford University, USA (from 2022 to 2024).

He is a life member for

1. Materials Research Society of India.
2. Indian Association of Solid-State Chemist and Allied Scientist.
3. Chemical Research Society of India.
4. Indian Science Congress Association (L39938, 2020)
5. Luminescence Society of India (No. 875, 2022)

Honorary Member for Luminescence Society of India - Karnataka Chapter.

Program Objectives

- The main objective is to expand participants' understanding beyond the classroom, exposing them to current research and advancements.
- Encourage students to think critically about scientific issues and approaches.
- Educate students about the latest developments in advances materials and its applications in solid-state materials and for display device applications.

Highlights of the talk

- Explained the different types of metal oxide based materials and their applications.
- Discussed about various synthesis process of materials used in catalysis and LED applications.
- Briefed about the materials characterization techniques XRD, SEM, TEM, XPS etc of materials for display device applications.
- Discussed about magnetic properties and its applications.
- Talk about about chromaticity diagram for semiconducting materials.
- Detailed about the applications of superconducting materials with applications.



Program Outcomes

- Attendees gain deeper insights into specific scientific topics that may not be covered in regular coursework.
- An invited expert can provide detailed knowledge, latest research findings, and practical applications, which can enhance students' understanding of the subject matter.
- The talk can introduce emerging trends, innovative research, and interdisciplinary approaches in science, fostering curiosity and inspiring attendees to explore new areas of study.
- Engaging with the speaker through Q&A sessions encourages critical thinking and fosters a culture of scientific inquiry.
- Q&A session with a visiting scientist led to an internship opportunity for our student at a prestigious research institute.

The lecture was witnessed by all PG students, research scholars and faculty of Chemistry department REVA University. A total of **89** participants attended the event and the feedback given by the participants was appreciated.

We would like to thank, **Dr. C. Shivakumara** for delivering the talk. We thank students, research scholars and faculty members of Chemistry Department, Dean, Director, HOD, SoAS and management for constant support and encouragement towards academic activities of the school.

Banner of the talk






Department of Chemistry

Science Appreciation Club

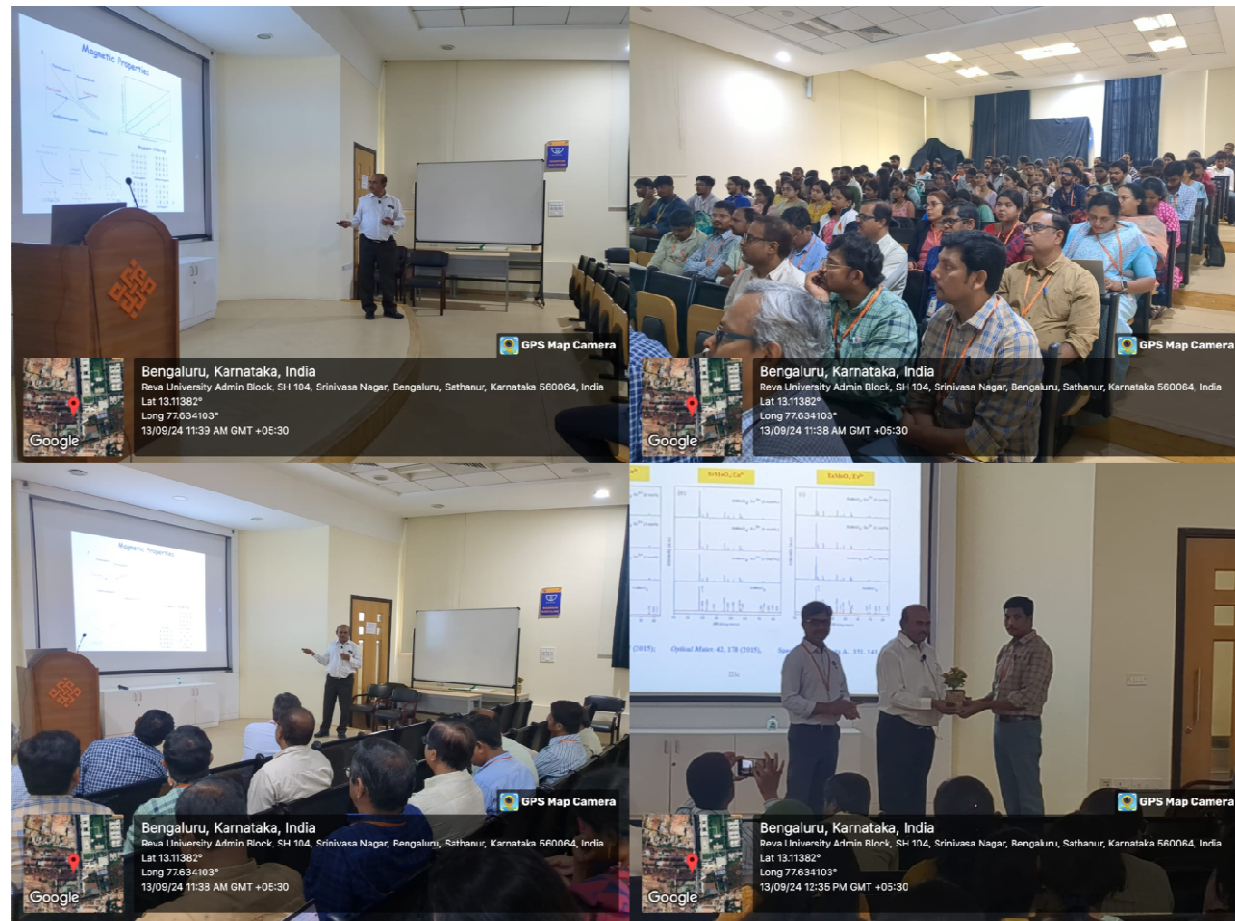
Organises an invited talk on

Introduction to Material Science & its Applications

Speaker
Dr. C. Shivakumara
Principal scientist, SSCU, IISc.

 September 13, 2024
 11:00 AM to 12:00 Noon
 Library Seminar Hall

Glimpse of the Talk



Attendees list



Attendees list

Department of Chemistry, School of Applied Sciences,

REVA University

Invited talk by

Dr. C Shivakumara

Principal scientist, SSCU, IISc

Organised under "Science Appreciation Club"









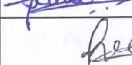


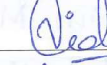
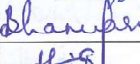
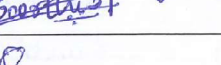




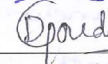
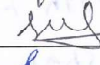

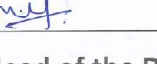
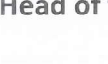

TITLE: Introduction to material science and its applications

DATE: 13/09/2024

SL.No	Name	Signature
01	Shreya B.M	Shreya B.M
02	Chandana H.N.	chandana H.N.
03	K. yoga priya	Y. Priya
04	Vani M.G	Vani
05	Usha K.S	Usha K.S
06	PRAMODINI .M	P.d
07	Nandisha N. Goudi	Nandisha
08	Nikhil C.V	Nikhil C.V
09	Vikas K.V	Vikas
10	sanju M	Sanju M
11	Archiith Gowda N	Archiith
12	Chandana M.G	Chandana
13	Jharath Kumar M.N	Jharath
14	Darshan M.R	Darshan
15	Shreyas B	Shreyas

Faculty coordinator

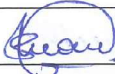









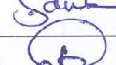
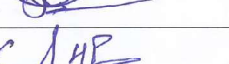

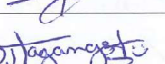
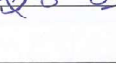
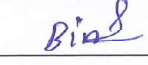

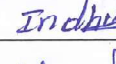
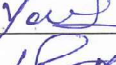
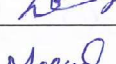
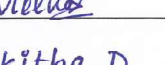
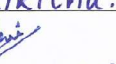



Head of the Department

SL.No	Name	Signature
16	Benkiveekshith	
17.	B. Anukamal P.	
18.	B. Akash	
19.	Mohammed yaseen B	Yaseen B.
20.	Tarun	Tarun
21.	Golla Lavanya (Scholar)	
22	D. Hindu Bhavani (Research scholar)	
23	Akshaya HM (RS)	
24	Pratisha CP (RA)	
25	Ramya (RS)	
26.	Sahana R (R.S)	
27.	Seetha (R.S)	
28.	Akshita DN (RS)	
29.	Nahima S (RS)	
30	Vidyaashree PB (RS)	
31	Bhanupriya H (RS)	
32	Spoorthi S	
33)	Shankar J.	
34)	Veeresh HM	
35)	Vamsi Krishna YR	
36)	Abhishek KJ.	
37)	Malikarjunaswamy AMM	
38	Rockanagudra S	
39	Sachin D	
40	Rajeshwari B. Rotti (Scholar)	
41.	udumu Mounika Reddy (scholar)	

Faculty coordinator

Head of the Department



SL.No	Name	Signature
42	Bhalom Keerpa	
43	Raghavendra. R. B	
44	Suman Kumar	
45	Manasa. C	
46	Bhagyashree M Hanasi	
47	Harshitha. Bc	
48	Shivalakumar. P	
49	Manjunatha K.S	
50	Sahana. S.V	
51	Chaitraakhee. N	
52	Anjali. K	
53	Sameekha. p.s	
54	Dhaneswarani	
55	Ganguly Gowda	
56	Sachin. S	
57	Gagan. G. S	
58	Bindhu. K	
59	Tejaswree K.S	
60	Indhuachree. P	
61	yashaswini. D	
62	Lavanya. M.R	
63	Meenakshi. k	
64	Likitha. D	
65	Vani. N	
66	Shivalakshmi. D	

Faculty coordinator

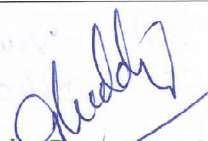


Head of the Department



SL.No	Name	Signature
67	Preethe.	Preethe
68	Anindita Bhattacharyee	Ahattacharyee
69	Dalli Kumari	Kumari
70	Vandikrishna Y.R.	V.R.
71	Abhishek K.S.	Abhishek
72	Shiva Kumari - P.	Shiva
73	Mehar Jamina	Mehar
74	Nikitha	NK
75	Akshatha Nadig	Akshatha
76	Bhavana N.	Bhavana.N
77	R. SUHAS.	R. Suhas
78	SM Dahul	SMR
79	Rajesh.K (R23SM048)	R. Rajesh
80	Ranushis (R23SM1009)	Ranushis
81	Dr. Gitampali P (REVA0264)	Gitampali
82	Dr. Swagatathaldy (REVA02805)	Swagatathaldy
83	Dr. P.V. Narayanan	P.V. Narayanan
84	Dr. K. Ram Krishna	K. Ram Krishna
85	Dr. Nasarud D. H	Nasarud D. H
86	Dr. Satish Reddy	Satish
87	Dr. Lakshmi. S	Lakshmi. S
88	Dr. P. KomACP	P. KomACP
89	Sachinvel Kondamuri	Sachinvel


Faculty coordinator


Head of the Department

Department of Chemistry

Feedback on invited talk under science appreciation club

TITLE: Introduction to material science and its applications

Date: 13/09/2024

Speaker: Dr. C Shivakumara

Title: Introduction to material science and its applications

Time: 11. 00 am to 12.00 noon

SL. No.	Name	Feedback	Remarks if any
1.	G. Lavanya (scholar)	Informative	-
2.	D. Hindu Bhavani	Informative to learn the basics of material science	-
3.	Bhanupriya. H	Very informative	-
4.	Spoorthi. S	Informative	-
5.	Vidyaashree P.B	Good talk about basics	-
6.	Mahima. S	Insightful about materials	-
7.	Akshitha D. N	Good	-
8.	Sarada K B	Good	-
9.	Radhakanagouda. S	Very Effective & Informative	-
10.	Sachin D	Informative	-
11.	Rajeshwari. B. R	Basic & informative.	-
12.	Mounika.	Informative	-
13.	Shalom Keepa.	Very interesting & informative.	-
14.	Raghavendra. R. B	Informative	-
15.	Suman K R	Explanation of characterization	-
16.	Manasa. C	Informative	-
17.	Bhagyaashree. M. Hanasi	Very informative	-
18.	Harshitha. B C	Helpful	-
19.	Archithgowda. N	Good	-
20.	Chandan. M G	Informative	-
21.	Sharath Kumar M. N	nice	-
22.	Darshan	V V V V V. good	-
23.	Shreyas.	Super	-/-

SL.o.	Name	Feedback	Remarks if any
22.	Sahana R.	Good.	-
23.	Ramya M	Good	-
24	Pratibha CP	Very Informative towards Ben	-
25	Akshaya HM	Good	
26.	Chandana H.N.	It's Good	-
27.	K. Yoga Priya	Interesting	
28.	Sheela B.M	Helpful talk	
29	Vani M.G	Good	
30	Usha V.S	Good Handwritten	
31	PRAMODINI. M	useful	
32	Tharun N	Useful	
33	Nandish N.G	Good & informative	
34	Vikas K.V	Good	
35	Sanjiv M	Good	
36	Nikhil C.V	Informative	
37	Gagan G.S	Good	
38	Sahana S.V	Helpful talk.	
39.	Dhaneshwaru	Good	
40	Vani	informative	
41	Shivalakshmi	Good.	
42	Jyothi.	Good	
43	Meenakshi K	Good	
44	Prakha D	Good.	
45	Lavanya M.R	Good	
46	Yashawini D	Good	
47	Indhushree P	Good	
48	Tejashree K.S	Good	
49	Bindhu K	Good	
50	Bhavana N.	Informative.	
51.	Akshata P Nadi	Lecture was informative	-
52.	Nikitha K.	Useful	
53.	Mehar Fathima	informative	
54.	Vandikrishna R	Very insightful Seminar	
55.	Dalli. Kuman	Informative	
56.	Amindil Bhattachayer	interesting talk	

