

Sree Siddaganga Education Society (R.)



Sree Siddaganga College of Arts, Science and Commerce for Women

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Website : www.sscwtumkur.org | E-mail : sscasc.women@gmail.com

Accredited by NAAC with **"B+"** Grade

Dept. of Chemistry & IQAC

organizes

A Special Guest Lecture

Date : 31-01-2023, Tuesday

Venue :

Time : 10.30 am - 12.00 Noon

Sree Shivakumara Swamiji Seminar Hall

With the divine blessings of

Sree Sree Sree Siddalinga Swamiji

President, Sree Siddaganga Education Society, Tumkur

Resource Person

Dr. Suresh

Professor, Dept. of Chemistry, NMKRV, Bangalore

Topic : Applications of lithium in battery

Presided by

Dr. K.C. Jayaswamy

Principal, SSCASCW, Tumkur



SREE SIDDAGANGA COLLEGE OF ARTS, SCIENCE AND COMMERCE FOR
WOMEN

B H ROAD, TUMAKURU-572102
DEPARTMENT OF CHEMISTRY

Date: 31 January 2023

Report :

A Special Guest lecture programme on Lithium ion battery and its applications.

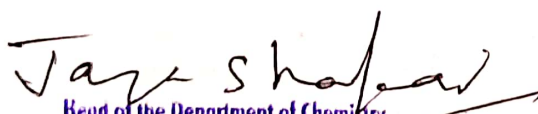
The department of Chemistry in collaboration with IQAC organized a special guest lecture for the students of Final and II year B.Sc. on 31 January 2023 from 10:30 AM to 01:00 PM at Sree Shivakumaraswamiji seminar Hall, SSCW Campus, Tumakuru.

The programme Anchoring was done by Mrs. Divyashree T N, Lecture in chemistry and began with invocation by Ms. Nandana A S of III CBZ. Prof. Jayashankar HOD of chemistry, welcome the dignitaries, Staff, Students and all. Resource person Dr. G S Suresh was introduced to the gathering by Dr. T B Nijalingappa

Prof. Dr. K. C. Jayaswamy, Principal of our college presided over the programme and addressed the gathering. Prof. G. Chidanandamurthy, IQAC Co-ordinator encouraged the Department to conduct more such resourceful programmes in the future.

Dr. G S Suresh., Associate Professor, Department of Chemistry, NMKRV College, Bangalore delivered the lecture on **Lithium ion battery and its applications**. using power point presentation. His talk enhanced the knowledge of the students and lecturers. Students were satisfied with the programme both arrangements and the lecture. The session was very interactive and ended with many students requesting for more such sessions.

Mrs. Puneetha .S, Lecturer in Chemistry thanked the gathering.


Head of the Department of Chemistry
Sree Siddaganga College of Arts, Science &
Commerce for Women, Tumkur
31/01/2023







The Nobel Prize in Chemistry 2019



John B. Goodenough
University of New

Akira Yoshino
Asahi Kasei Corporation,
Tokyo, Japan, Meijo
University, Nagoya, Japan

"of lithium-ion batteries"

What is ARLIBs ?

Definition:

- Lithium intercalation compound(s) as one or both electrodes
- Redox reactions instead of absorption/ desorption
- Aqueous lithium-containing solution as electrolyte

Why not called as aqueous lithium ion batteries:

- ◆ Misunderstanding: Aqueous to replace organic ???
- ◆ Scope: Very narrow



ARLIBs
invented in 1994
by Dahn and
coworkers



• ARLIB is the
key potential
energy sources
for future
generations.



Guest Lecture Programme - 2023

Sl No	Name of the Student	Year	Combination	Signature
1.	Amrutha. K	2023	PCM	Amrutha. K
2.	Amulya. C.P	2023	PCM	Amulya. C.P
3.	Anithalakshmi	2023	PCM	Anithalakshmi
4.	Ankitha. G.T	2023	PCM	Ankitha. G.T
5.	Asha. K	2023	PCM	Asha. K
6.	Ashwini. G.U	2023	PCM	Ashwini. G.U
7.	Bhavya T.K	2023	PCM	Bhavya T.K
8.	Bhumika M	2023	PCM	Bhumika M
9.	Bindushree K.R	2023	PCM	Bindushree K.R
10.	Chaitra. S	2023	PCM	Chaitra. S
11.	Chaitrak	2023	PCM	Chaitrak
12.	Chandana M.K	2023	PCM	Chandana. M.K
13.	Chandana S.R	2023	PCM	Chandana S.R
14.	Chandrakala. S	2023	PCM	Chandrakala S
15.	Chandrakala K.P	2023	PCM	Chandrakala K.P
16.	Chandrika M.R	2023	PCM	Chandrika M.R
17.	Divyashree B.R	2023	PCM	Divyashree B.R
18.	Divyashree M.V	2023	PCM	Divyashree M.V
19.	Gagana. V	2023	PCM	Gagana. V
20.	Gayathri. M.D	2023	PCM	Gayathri. M.D
21.	Hareetha. K.H	2023	PCM	Hareetha K.H

22	Harshitha R.N	2023	Pcm	Harshitha .R.N
23	Hemalatha .A	2023	PCM	Hemalatha .A
24)	Hoos fathima	2023	PCM	Hoos fathima .P.k
25)	Inchana C.R	2023	PCM	Inchana .C.R
26)	Jalajakshi K.G	2023	PCM	Jalajakshi K.G
27)	Jeevitha B.M	2023	PCM	Jeevitha B.M
28)	Jyothi laksh mi	2023	PCM	Jyothi lakshmi
29)	Kavitha K.R	2023	PCM	Kavitha .K.R.
30)	Kavya .B.G	2023	PCM	Kavya .B.G.
31)	Kavya .S.G	2023	PCM	Kavya .S.G
32)	Kavyashree.C.N	2023	PCM	Kavyashree.C.N.
33)	Kirana .B.P	2023	PCM	Kirana .B.P
34)	Kuluma .U	2023	PCM	Kuluma .U.
35)	Lela .K.R	2023	PCM	Lela .K. R
36)	Likhiitha .B.M	2023	PCM	Likhiitha .B.M.
37)	Likhiitha .T.M	2023	PCM	Likhiitha .T.M
38)	Lokeshwari D.M	2023	PCM	Lokeshwari D.M
39)	Madhusree .S.N	2023	PCM	madhusree .S.N
40)	Mahalakshmi P	2023	PCM	Mahalakshmi P
41)	Medha Srinivas	2023	PCM	Medha Srinivas
42)	Meghana KN	2023	PCM	Meghana KN
43)	Meghana M.C	2023	PCM	Meghana M.C
44)	Milana M.S	2023	PCM	Milana M.S
45)	Meghana W.J	2023	PCM	Meghana W.J
46)	Mounika .G	2023	PCM	Mounika .G
47)	Nagamma V.K	2023	PCM	Nagamma V.K
48)	Navyashree T.M	2023	P.C.M	Navyashree T.M
49)	Noor Fathima	2023	PCM	Noor Fathima
50)	Pankaja .B.k	2023	PCM	Pankaja B.k