



"Education for Knowledge, Science and Culture."
- Shikshanmaharshi Dr. Bapuji Salunkhe
Shri. Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR
(An Empowered Autonomous Institute)
NAAC A+ (CGPA: 3.29)



2130 E, Tarabai Park, Tal. Karveer, Dist. Kolhapur 416 003
UGC Recognition Under 2 F & 12(B) UGC Act 1956
Affiliated to Shivaji University, Kolhapur (M.S.)
Ph.: 0231-2658612, 2658840, Resi.: 0231-2653962 Fax: 0231-2658840
Website : www.vivekanandcollege.ac.in E-mail : info@vivekanandcollege.org

Department of Chemistry

Guest Lecture on "Next Generation Energy Sources"

by

Prof. Dr. Deepak Dubal (Professor, Queensland University, Australia)

Date: Thursday, 8th Jan 2026

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“ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार”

– शिक्षणमहर्षी प. पू. डॉ. बापुजी साळुंखे

Shri Swami Vivekanand Shikshan Sanstha's

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Department of Chemistry



To,
The Principal,
Vivekanand College, Kolhapur.

We are pleased to inform you that our department is organizing a guest lecture on “Next Generation Energy Sources” on Thursday, 8th ~~October~~ January 2026 at 11:30 a.m. This lecture will be conducted by Dr. Deepak Dubal (Professor, Queensland University of technology, Australia). In this regard, we kindly request you to grant permission to organize the guest lecture and to sanction an amount of Rs. 2,000/- as honorarium for the speaker.

We assure you that the event will be conducted smoothly and systematically with the active participation of faculty members and students.

Kindly approve the same.

Yours faithfully,

मंडरी साळुंखे
6.1.26
6-1-2026

Prof. (Dr.) Mrs. S. D. Shirke
HEAD
DEPARTMENT OF CHEMISTRY
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)



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Date: 7th January 2026

Department of Chemistry

Notice

All student's of M.Sc. I & II (Chemistry) and B.Sc. III (Chemistry) are hereby informed that, the Department of Chemistry is organizing a guest lecture on **"Next Generation Energy Sources"** on **Thursday, 8th January 2026 at 11:30 a.m.** This lecture will be conducted by **Dr. Deepak Dubal (Professor, Queensland University of technology, Australia)** in Smart Classroom No. 201. Kindly be remained present for the above said programme on time.



S. Shirke
Dr. Mrs. S. D. Shirke

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DEPARTMENT OF CHEMISTRY
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ISO 9001 : 2015



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Founder
Dr. Bapuji Salunkhe
D.Lit.

President
Hon. Chandrakant Dada Patil
MLA

Chairman
Prin. Abhaykumar Salunkhe
M.A.

Secretary
Prin.Mrs. Shubhangi Gawade
M.Sc.,B.Ed.

Inch. Principal
Dr. S. P. Thorat
M.Sc.,M.Phil.,Ph.D.

Ref. No. VCK/ 2314/2025-26

Date : 7/1/2026

To,

Dr. Deepak Dubal
Professor,
Queensland University of technology, Australia.

Subject: Invitation to deliver Guest Lecture

Respected Sir,

The Department of Chemistry, Vivekanand College, Kolhapur is organizing Guest Lecture on "**Next Generation Energy Sources**" on Thursday, 8th January 2026 at 11:30 a.m.

We would be honoured if you could kindly accept our invitation to deliver the lecture and share your valuable expertise with our M.Sc. and B.Sc. students.

We look forward to your positive response.

Thanking you.

Your's Sincerely,

S.D. Shirke

Prof. (Dr.) Mrs. S. D. Shirke

HEAD
DEPARTMENT OF CHEMISTRY
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)



S.P. Thorat

Prof. Dr. S. P. Thorat
I/c Principal
Vivekanand College, Kolhapur
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M.Sc., B.Ed.

Inch. Principal
Dr. S. P. Thorat
M.Sc., M.Phil., Ph.D.

Ref. No. VCK/ 2335/2025-26

Date : 8/11/2026

Letter of Appreciation

To,
Dr. Deepak Dubal
Professor
Queensland University of Technology
Australia.

Respected Sir,

The Department of Chemistry, Vivekanand College, Kolhapur places on record its profound appreciation for your distinguished Guest Lecture on "Next Generation Energy Sources" delivered on Thursday, 8th January 2026 at 11:30 a.m.

Your scholarly insights, clarity of presentation, and research-oriented perspective significantly enriched the academic understanding of our M.Sc. and B.Sc. students, and served as a source of inspiration for both students and faculty members.

We are sincerely grateful for your valuable time, commitment, and gracious association with our institution.

With sincere thanks.

Your's Sincerely,

Shirke

Prof. (Dr.) Mrs. S. D. Shirke

Thorat

Prof. Dr. S. P. Thorat

I/c Principal

Vivekanand College, Kolhapur
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HEAD
DEPARTMENT OF CHEMISTRY
VIVEKANAND COLLEGE, KOLHAPUR



o/c
Thorat



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Guest Lecture on “Next Generation Energy Sources”

Organized by

Department of Chemistry

Date: 8th Jan 2026, Time: 11:30 am to 01.00 pm

Venue: Smart Classroom-201



Table Programme

- | | |
|-----------------------------|--|
| ▪ Inauguration | : Watering plant and <i>Sanstha Prayer</i> |
| ▪ Welcome & Preface | : Dr. Mrs. S. D. Shirke,
(Head, Department of Chemistry) |
| ▪ Introduction of the Guest | : Dr. S. S. Ankushrao |
| ▪ Felicitation | : President by HOD

Chief Guest by HOD

HOD by Coordinator |
| ▪ Chief Guest Address | : Dr. Deepak Dubal |
| ▪ Presidential Address | : Dr. S. P. Thorat |
| ▪ Vote of Thanks | : Shri. S. S. Kadam |
| ▪ Anchoring | : Miss S. N. Inamdar

Dr. S. D. Kharade |





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Student/Faculty Attendance

Sr. No.	Name of Student/Faculty	Class/Designation	Sign
1.	AKshata sunil Chavan	B.sc III	<u>Akshata</u>
2.	Samruddhi R. Powar	Bsc III	<u>Powar</u>
3.	Sneha M. Khandekar	Bsc III	<u>Sneha</u>
4.	Sanika Sambhaji Malvekar	BSc-III	<u>Sanika</u>
5.	Sanika Sanjay Kumbhar	Msc - II nd	<u>Sanika</u>
6.	Pratiksha Dipak Koruche	— II —	<u>Koruche</u>
7.	Manisha Sarjerao Kalantre	— II —	<u>Manisha</u>
8.	Tyoti Balaso Desai	— II —	<u>Tyoti</u>
9.	Sutar Vaishnavi Sanjay	— II —	<u>Sutar</u>
10.	Shubhada Ganesh Patil	— II —	<u>Shubhada</u>
11.	Arpita Sanjay Savairam	— II —	<u>Arpita</u>
12.	Shrutika Bharat Yadav	— II —	<u>Shrutika</u>
13.	Vaishali Bhanaji Rajoge	— II —	<u>Rajoge</u>
14.	Peenati Bahubali Patil	— II —	<u>Peenati</u>
15.	Rupali Santosh Pawar	— II —	<u>Pawar</u>
16.	Sneha Suryakant Suryawanshi	— II —	<u>Sneha</u>



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17	Rukia Arun Hanfode	M.Sc II	<u>Bhale</u>
18	Arpita rajendra Sutar	M.Sc II	<u>Asari</u>
19	Vaishnavi Baban Giribuva	—II—	<u>Ref</u>
20	Piyusha. Subhash Adsule	—II—	<u>Adsule</u>
21	Meenal Kishor Kavale	M.Sc - II	<u>Mkavale</u>
22	Vaishnavi Sachin Patil	M.Sc - II	<u>Patil</u>
23	Vaishnavi Shankar Kumbhar	M.Sc I	<u>Kumbhar</u>
24	Ratika Aappaso Patil	M.Sc. I	<u>Patil</u>
25	Shivani S. Chougale	M.Sc - II	<u>Chougale</u>
26	Shweta P. Kumbhar	—II—	<u>Shweta</u>
27	Nikita U. Koli	—II—	<u>Nikita</u>
28	Nandini R. Jute	M.Sc - I	<u>Nandini</u>
29	Namrata Nagesh Patil	M.Sc. I	<u>Namrata</u>
30	Poonam Pandit Bochate	M.S.C - I	<u>P.P.B.</u>
31	Sanika Ananda Kandale	-II-	<u>Sanika</u>
32	Maithili Sanjay Patil	M.S.C - I	<u>Patil</u>
33	Samruddhi Sanjay Patil	M.S.C I	<u>Patil</u>
34	Aakansha Joti Khot	M.Sc I	<u>Aakansha</u>
35	Dhanashri Annaso Chougale	M - sc I	<u>D.Chougale</u>
36	pranika Nandkumar Jadhav	M-sc I	<u>Jadhav</u>
37	Ritika Keishnat kumbhar	BSc - III	<u>Rkumbhar</u>
38	Vaishnavi Subhash kumbhar	BSc - III	<u>Vkumbhar</u>
39	Samruddhi Santosh Chendge	BSc - III	<u>Chendge</u>
40	Mansvi Umesh Chauhan	B.Sc. II	<u>Mansvi</u>

41) Sankhe pratam suhas

42) Jamadade Raviraj

43) Prathamesh. Narayana

44) Prathamesh Vishnu Thakur

45) Patil Vinayak Shrivastava

46) Patil, Sushant Kiran

M.Sc II

—II—

M.Sc II

M.Sc. I

M.Sc II

M.Sc II

M.Sc II

Patil

Patil

Patil

Patil

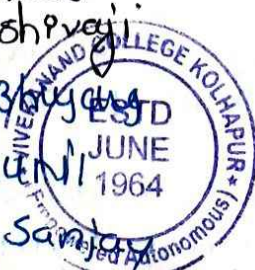
Patil

Patil

Patil



47)	Ankita Bapu More	BSC. III	PS.
48)	Nilakshi Suresh Devakate	B.Sc. III	N.S. Devakate
49)	Mayuri Rajaram Kale	B. SC III	Hele
50)	Shreya Pratap Patil	B. SC III	Schil
51)	Sakshi Sudesh Mane	B. SC III	g
52)	Sanika Vishnu Chougule	B. SC. - III	Chougule
53)	Sanika Sanjay Shinde	B. SC. - III	Shinde
54)	Manaswi kiran shingade	BSC. III	M. shingade
55)	Shravani Bhuygonda Patil	BSC III	S. B. Patil
56)	Tanvi Nemgonda Patil	BSC III	Tanvi
57)	Gholap Prajcta Ashok	Ph. D	Ph.D
58)	Jadhav Dipti Dilip	Ph. D	Jadhav
59)	Tejaswini Shamrao Sutar	M.Sc I	Tejas
60)	Samiksha Parashuram Chavan	M.Sc I	Schavan
61)	Shreedha Laxman Kadam	M.Sc I	Shreedha
62)	Supriya Goraksh Kumbhar	M.Sc I	Supriya
63)	Diksha Dashrath Patil	M.Sc I	Patil
64)	Kajal Balwant Kumbhar	M.Sc - I	Kajal
65)	Tanvi Rajaram Gaurav	M.Sc I	Tanvi
66)	Saba Abdulwahid Momin.	M.Sc I	Amomin
67)	Muskan Taved Momin	M.Sc I	M.T. Momin
68)	Patil Sanika mahadev	M.Sc - II	Patil
69)	Yadav Siddhi Shamrao	M.Sc. - II	Siddhi
70)	Waghela Vidya Vishal	M.Sc II	Waghela
71)	Patil sanket phkar	M.Sc. II	Patil
72)	Padage premod shiraji	—	Padage
73)	Patil Shridhar Bhuyaga	— II —	Patil
74)	Patil Tejas sunil	— II —	Patil
75)	Ambi Gourav Sanjay	—	Ambi
76)	Gavali Gourav Gajanan	—	Gavali



(9)

77)	Bahubali Raju Udagave	Msc - I	OPR
78)	Pawar vidya Dhananjay	Msc II	OPR
79)	Sumit Totiba Dhabale	BSc - III	SS. Chhabale
80)	Kshitij Ranjitsinh Desai	BSc - III	Shy. Desai
81)	Atharva Santosh Mirgal	BSc - III	Arig
82)	Harshad. Sharad Kuxane	BSc - III	Wink
83)	Patil Jitendra Sahebrao	M.Sc II	Patil
84)	Kashid Sandesh Namdev	- II -	Kashid
85)	Patil Prathmesh Suresh	- II -	Patil
86)	Chadage Jivan Ambadas	- II -	Chadage
87)	Tupare Niranjan Shivaji	M.Sc - II	Arig
88)	Malawade Aditya Gajanan	M.Sc - II	AM
89)	Mande Virendra Satish	M.Sc - II	MA
90)	Kole Prasad Chandrakant	M.Sc - II	Prasad
91)	Mohandekur Tejpal Bharsi	M.Sc - II	Pruthi
92)	Kiranagi Rakesh Somanna	M.Sc - II	Pruthi
93)	Shengane Shreeshaail Rajkum	M.Sc - II	Shengane
94)	Patil Kanan D.	M.Sc - II	Kane
95)	Mendhigiri Manjunath. R	M.Sc - II	Mur
96)	Gravade Akshay Dhanaji	M.Sc I	Am
97)	Kumbhar Saib Vasant.	- II -	Suresh
98)	Patil Akash Suresh	- II -	Patil
99)	Jadhav Suraj D.	Ph.D.	Patil
100)	Charan Pradip Dasharath	Ph.D.	Charan
101)	Bhusnar Tanaji Anna	Ph.D.	Bhusnar
102)	Tushar Chandrakant Wunur	B.Sc. III	Tushar
103)	Nirangan Kadam	B.Sc. III	Nirangan
104)	Dipak Rathod	B.Sc. III	Dipak
105)	Khetake Budarshan Nivas	M.Sc - II	Khetake
106)	Pranav Pratap Patil	M.Sc - I	Patil
107)	Yadav Abhijit Sanjay	M.Sc - I	Yadav

Dr. Mrs. S. D. Shirke





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Guest Lecture on “Next Generation Energy Sources”

Organized by

Department of Chemistry

Date: 8th Jan 2026, Time: 11:30 am to 01.00 pm

Venue: Smart Classroom-201

ONE PAGE REPORT

1. **Name of the Department:** Department of Chemistry
2. **Name of the Activity:** Guest Lecture
3. **Date and Duration:** Thursday, 8/01/2025, Duration 2 hr
4. **Aims and Objectives**
 - To create awareness about emerging and sustainable energy sources.
 - To understand the role of chemistry in renewable and clean energy technologies.
 - To familiarize students with modern energy solutions such as solar, hydrogen, and bioenergy.
 - To discuss environmental benefits of renewable energy sources.
 - To highlight recent research and technological advancements in energy science.
 - To explore career and research opportunities in the field of renewable energy.

5. **No of Beneficiaries:**

	Male	Female	Total
Participation	42	65	107
Faculty	03	8	11
Total	45	73	118

6. **Expenditure and funding agency:** Self-Funding

7. **Brief Description:**

Department of Chemistry, Vivekanand College, Kolhapur organized a Guest Lecture on “New Generation Energy Sources” to enhance students’ understanding of modern and sustainable energy technologies. The lecture was delivered by Prof. Dr. Deepak Dubal (Professor, University of Queensland, Australia), who discussed emerging energy



sources such as solar, wind, hydrogen, biofuels, geothermal energy, and fuel cells. He highlighted the role of chemistry in energy conversion, storage, and efficiency improvement, and explained the principles of photovoltaic cells, hydrogen production, fuel cell technology, and bioenergy generation along with their industrial applications. The session also emphasized the environmental benefits of renewable energy and recent research developments in the energy sector. Students actively participated in the interaction session.

The programme began with a welcome and preface by Prof. Dr. S. D. Shirke (Head, Department of Chemistry), followed by the introduction of the resource person by Dr. S. S. Ankushrao. The lecture was conducted under the presidentship of Dr. S. P. Thorat (Principal) and concluded with a vote of thanks by Shri. S. S. Kadam.

8. Outcome:

- Students gained knowledge about various renewable and sustainable energy sources.
- The lecture helped students understand the chemical principles behind modern energy technologies such as fuel cells and hydrogen energy.
- Students became aware of the environmental advantages of renewable energy systems.
- The session enhanced students' understanding of energy storage, conversion, and efficiency improvement technologies.
- Students learned about research opportunities and career prospects in the field of renewable energy and green technology.

9. Photographs: Photos have been attached with the report


Dr. S. S. Ankushrao
Convener




Prof. Dr. S. D. Shirke
HEAD
DEPARTMENT OF CHEMISTRY
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)



Felicitation of Dr. Deepak Dubal (Professor, Queensland University, Australia) by Prof. Dr. S. D. Shirke



Introducing to Dr. Deepak Dubal (Professor, Queensland University, Australia)



Dr. Deepak Dubal (Professor, Queensland University, Australia delivering lecture on 'New Generation Energy Sources'



Students Participated in the Guest Lecture on 'New Generation Energy Sources'

Dr. Mrs. S. D. Shirke