



Savitribai Phule Shikshan Prasarak Mandal's
LOKNETE GOPINATHJI MUNDE ARTS, COMMERCE AND SCIENCE COLLEGE

MANDANGAD, DIST. RATNAGIRI- 415 203. (M.S.)

(Affiliated to University of Mumbai) * NAAC RE-ACCREDITED GRADE "B+" * ISO 9001:2015 Certified

(E-mail. maccmandangad@rediffmail.com)

02350 – 225535, 299017, Mob. 9527303223


Date: 15.07.2021

REPORT OF ACTIVITY
Lecture on New Trends in Science Research

The Research Committee and IQAC jointly organized an online lecture for College students and teachers on '*New trends in Science Research*' on 15-07-2021. The resource person for the lecture was Mr. Kadam M.S., He is working as a Head of the Department of Chemistry in our College. The lecture has very interactive and useful for the students as well as teachers.

In his interactive lecture, he explained the background and Journey of science research. The new trends include Nanotechnology, The Rise Of Machines, Discipline Convergence, The Very Big And Very Small, Ethics, Identity Solutions, Product And Device Convergence, Radio Frequency Identification Devices, Time And Place Shifting, And Finally Global Warming. Science and Technology both have an important place in society and there are many initiatives taken to enhance the role of Science and Technology in our society. Science and technology can change our life entirely. Science and Technology are the key drivers for our Society's development. Technological and Scientific revolutions have a great impact on different fields like improvement in the health system, education, economic advances Etc. Mr. Kadam M.S. finally concludes that at an early age, the cure for some diseases was not possible but now a day with the help of science and technology the cure for every disease is now possible.




PRINCIPAL
Loknete Gopinathji Munde
Arts, Commerce & Science College
Mandangad, Dist. Ratnagiri - 415 203


Vice Principal
Loknete Gopinathji Munde
Arts, Commerce & Science College
Mandangad, Dist. Ratnagiri. 415203



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Synthesis of the Chloroquine metal Complexes:

A hot ethanolic solution of Chloroquine Drug (10 mmol, 3.14 gm) was added to ethanolic solution $\text{CuCl}_2 \cdot 2\text{H}_2\text{O}$ (5 mmol, 0.85 gm), $\text{NiCl}_2 \cdot 6\text{H}_2\text{O}$ (5 mmol, 1.18 gm), $\text{CoCl}_2 \cdot 6\text{H}_2\text{O}$ (5 mmol, 1.18 gm), $\text{FeCl}_3 \cdot \text{H}_2\text{O}$ (5 mmol, 1.35 gm), $\text{Ru}(\text{Cl})_3 \cdot 5\text{H}_2\text{O}$ (5 mmol, 1.45 gm), $\text{Rh}(\text{Cl})_3 \cdot 5\text{H}_2\text{O}$ (5 mmol, 1.53 gm). The resulting reaction mixture was refluxed for 5 hours with constant PH. After cooling, the colored precipitate obtained was collected, filtered, washed with ether, recrystallized from ethanol and dried in desiccator containing CaCO_3 .

Synthesis of $\text{Cu}(\text{II})$, $\text{Ni}(\text{II})$, $\text{Co}(\text{II})$, $\text{Fe}(\text{II})$, $\text{Ru}(\text{III})$ and $\text{Rh}(\text{III})$ Metal Chloroquine Complexes

Chemical Reaction:

C1=NC2=C(N1)N=CN=C2 + [M]Cl2 + EtOH -> [M]Cl2 + EtOH

Guidance by Mr. Kadam M.S. in an online lecture on *New trends in Science Research* on 15/07/2021



[Signature]
Vice Principal
Loknete Gopinathji Munde
Arts, Commerce & Science College
Mandangad, Dist. Ratnagiri, 415203

[Signature]
PRINCIPAL
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List of Participants

Sr. No.	Name of the participants	Sr. No.	Name of the participants
1	Dr. Parhar V. D.	23	Bate Madiha
2	Shri. Jagtap D. A.	24	Ghadshi Fioni
3	Dr. Bidwai D. G.	25	Pardhi Dhanashri
4	Shri. Ingole S. M.	26	Salvi Manasvi
5	Shri. Deore R. Z.	27	Jogilkar Sanobar
6	Dr. Sawant S. A.	28	Jangam Pranita
7	Shri. Kamble D. D.	29	Chougale Abdullah
8	Shri. Jaybhaye V. S.	30	Rathod Raghuvir
9	Dr. Waghmare S. J.	31	Yesare Sushant
10	Dr. Pethkar J. N.	32	Khade Gitanjali
11	Shri. Sutar H. E.	33	Hawa Azmina
12	Shri. Kadam M. S.	34	Pandirkar Hemant
13	Shri. Nirwan S. A.	35	Tamhankar Prajakta
14	Shri. Bulakhe S. C.	36	Chougale Ruwaida
15	Harchilkar Samreen	37	Khalfe Simran
16	Sovilkar Aishwarya	38	Chougale Amal
17	Khade Sachin	39	Patil Ninad
18	Nikam Akshay	40	Chimaokar Rida
19	Sawant Pranay	41	Tambe Sushil
20	Chilwan Awes	42	Beg Wafa
21	Sugadare Ketan	43	Mahadik Sharayu
22	Patil Yash Anil	44	Panjri Sadiya



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Date: 10/07/2021


To,
Mr. Kadam M. S.
Head, Dept. of Chemistry,
LGM ACS College, Mandangad,
Dist. Ratnagiri.

Subject: Inviting as a Resource Person for a lecture on '*New trends in Science Research*,

Respected Sir,

As per our discussion, we are going to organize an online lecture on '*New trends in Science Research*, for the Teachers & students of the College. So, we are kindly requesting you to be present and guide our Teachers & students on the above-said topic.




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Date: 15/07/2021

To,
Mr. Kadam M.S.
Head, Dept. of Chemistry,
LGM ACS College, Mandangad,
Dist. Ratnagiri.


Subject: Thanks for attending a lecture on *New trends in Science Research*


Respected Sir,

We are very much thankful you to for attending and guiding our students and teacher on a online lecture on '*New trends in Science Research*' Your session was very informative and participative which is helping them to think about Biological activity and drug discovery. We are expecting your cooperation in future also.

Thanking you again.




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Feedback Form

Lecture on *New trends in Science Research*

Name of Participants:

Using the scale 1 to 5 (where 1 is unsatisfactory and 5 is very good) how would you rate:

1. How was Lecture	1	2	3	4	5
2. There is the relevance of the topic in Research.	1	2	3	4	5
3. The experts' contribution	1	2	3	4	5
4. The quality of audio	1	2	3	4	5
5. Overall, how would you evaluate this Lecture?	1	2	3	4	5

THANKYOUFORSUBBITTING FEEDBACK



Heer S
Vice Principal
Loknete Gopinathji Munde
Arts, Commerce & Science College
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PRINCIPAL
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