



# THE NATIONAL COLLEGE

Jayanagar, Bangalore – 70

NAAC ACCREDITED 'A' GRADE

## Department of Chemistry

### A report on Webinar on “Application of Chemistry” conducted by Department of Chemistry, National College, Jayanagar.

On 20/4/2021 a webinar was organised by Department of Chemistry on the topic of “Applications of Chemistry”. There were two sessions in the webinar. First session was from 10:30 a.m. to 11:30 a.m. and the second session was from 11:30 a.m. to 1:00 p.m.

**Dr. Poornima T**, M.Sc., Ph.D., the Assistant professor, Department of Science and Humanities, P.E.S. University, Bangalore, was the invited speaker for the first session. The topic of the session was “**Introduction to Electrochemistry**”. The session included all the basic concepts of electrochemistry and it was very interesting and informative to the participants.

**Dr. Rajesh T.N.**, M.Sc., Ph.D., the HOD of Chemistry, Hoysala P.U. College, Nelamangala, was the invited speaker for the second session of the webinar. He gave a very informative talk on “**NMR Spectroscopy**”. He started his lecture from Principle of NMR Spectroscopy and concluded with its applications on complex modules.

The Students form all the three semesters of B.Sc. (PCM) had participated and enjoyed these lectures in the webinar.

The Boucher of the Webinar

some of the clippings of the webinar:

The National Education Society of Karnataka @  
**THE NATIONAL COLLEGE**  
Autonomous  
Jayanagar, Bangalore – 560 070  
Accredited 'A' Grade by NAAC  
Department of Chemistry  
organizes

**WEBINAR ON APPLICATIONS OF CHEMISTRY**

Date: Tuesday, 20<sup>th</sup> April 2021

10.30 to 11.30 am

Speaker:  
**Dr. Poornima T, M.Sc., Ph.D.**,  
Assistant Professor,  
Department of Science & Humanities  
P.E.S. University, Bangalore

Topic:  
**INTRODUCTION TO ELECTRO CHEMISTRY**

11.30 to 1.00 pm

Speaker:  
**Dr. Rajesh T N, M.Sc., Ph.D.**,  
H.O.D. of Chemistry,  
Hoysala P.U. College, Nelamangala

Topic:  
**NMR SPECTROSCOPY**

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Prof. Rasthika S.M.  
H.O.D. of Chemistry

Prof. B.V. Srividya Swamy  
Secretary, College Council

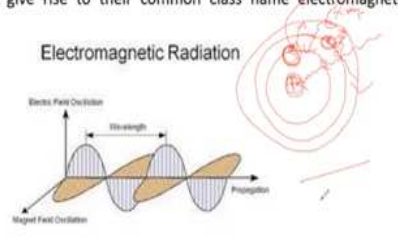
Dr. H.H. Parvathy  
Principal



# An introduction to electrochemistry

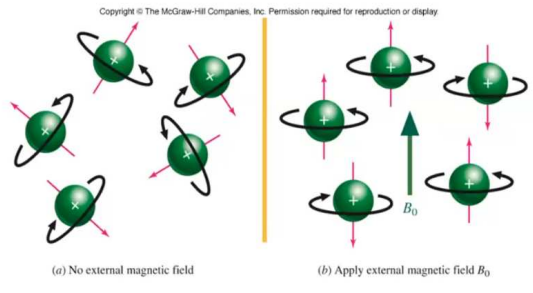


- Visible light is a form of energy, which can be described by two complementary theories: the wave theory and the corpuscular theory
- The wave theory most concerns us here, and we shall see that the propagation of light by light waves involves both electric and magnetic forces, which give rise to their common class name electromagnetic radiation.



## THE EFFECT OF AN EXTERNAL MAGNETIC FIELD

➤ Normally the nuclear magnetic fields are randomly oriented



<https://www.youtube.com/watch?v=RF40LQ3pF4o&t=2s>