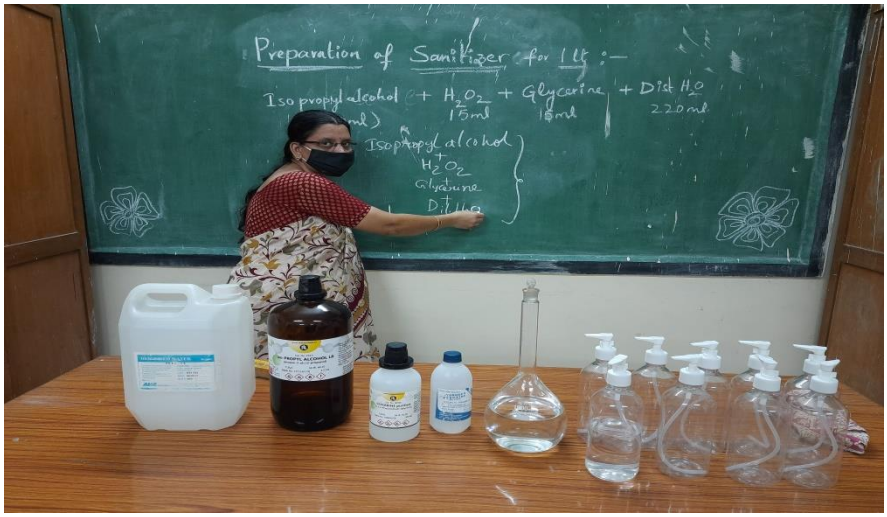
19.Details of seminars/ Conferences/Workshops organized by chemistry Department.

1. On september 14th , Deparment of chemistry has organized a oneday workshop on Preparation of sanitizer and sanitizer was prepared for college purpose. All the staff of the college are using the sanitizer prepared by our department.



- 2. Department of chemistry has organised **ONE DAY WEBINAR ON " PRINCIPLES OF NMR SPECTROSCOPY"** on 15th, October,2020 with Dr. K. Raveendrababu,Lecturer in Chemistry, Govt. Degree college(A), Rajamundry, AP.

INDIRA PRIYADARSHINI GOVERNMENT DEGREE COLLEGE[W], NAMPALLY, HYDERABAD

DEPARTMENT OF CHEMISTRY

ONE DAY WEBINAR ON "PRINCIPLES OF NMR SPECTROSCOPY"

DATE: 15TH OCTOBER, 2020 **TIME: 03:00 PM IST**

ZOOM MEETING ID: 733 1123 2759 **PASSCODE: IPGDC**

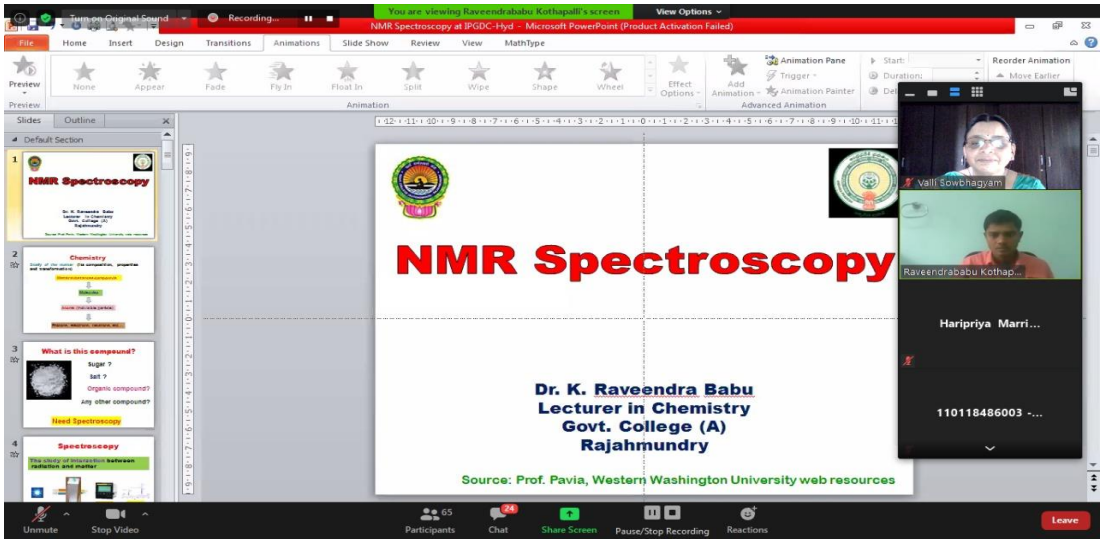
RESOURCE PERSON

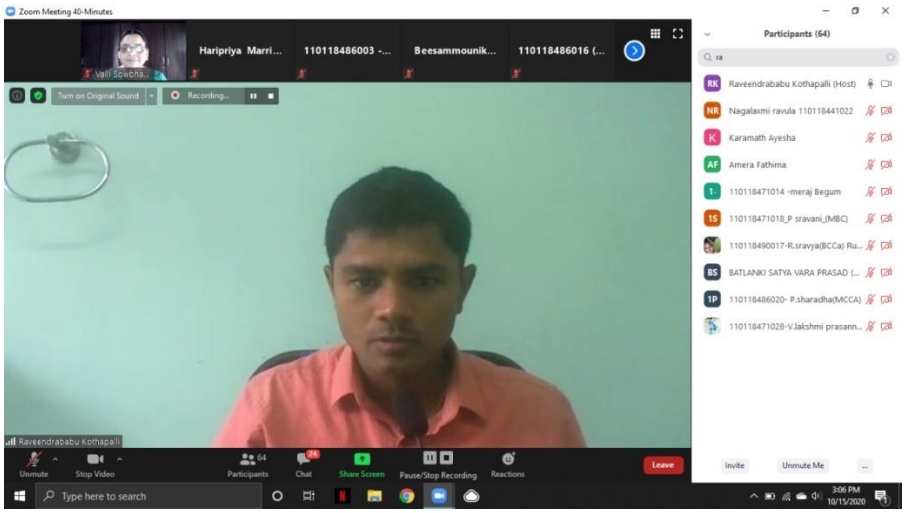
Dr K. RAVEENDRABABU
M.Sc., Ph.D,
Lecturer in Chemistry,
Govt. Degree College (A), Rajahmundry, AP

CHAIRPERSON:
Dr. D. VARALAKSHMI
Principal, IPGDC[W], Nampally

ORGANIZED BY:
Department of Chemistry,
IPGDC[W], Nampally

E-CERTIFICATES WILL BE GIVEN TO ALL THE PARTICIPANTS




Zoom Meeting 40-Minutes
Haripriya Marri...
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Beesammounik...
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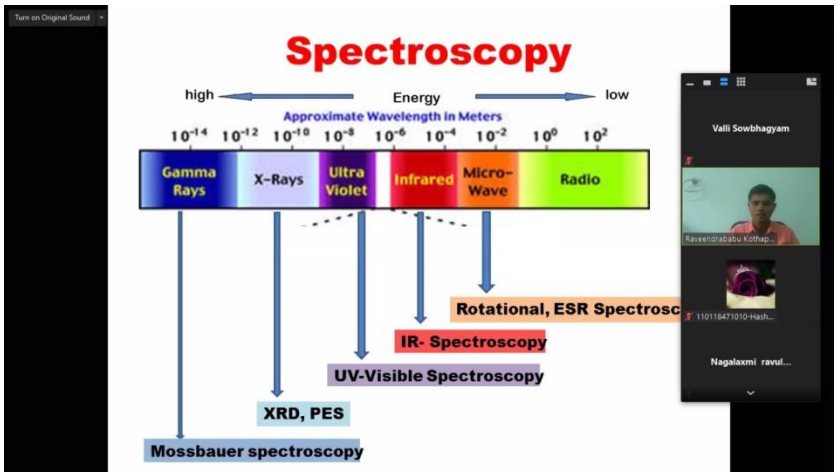
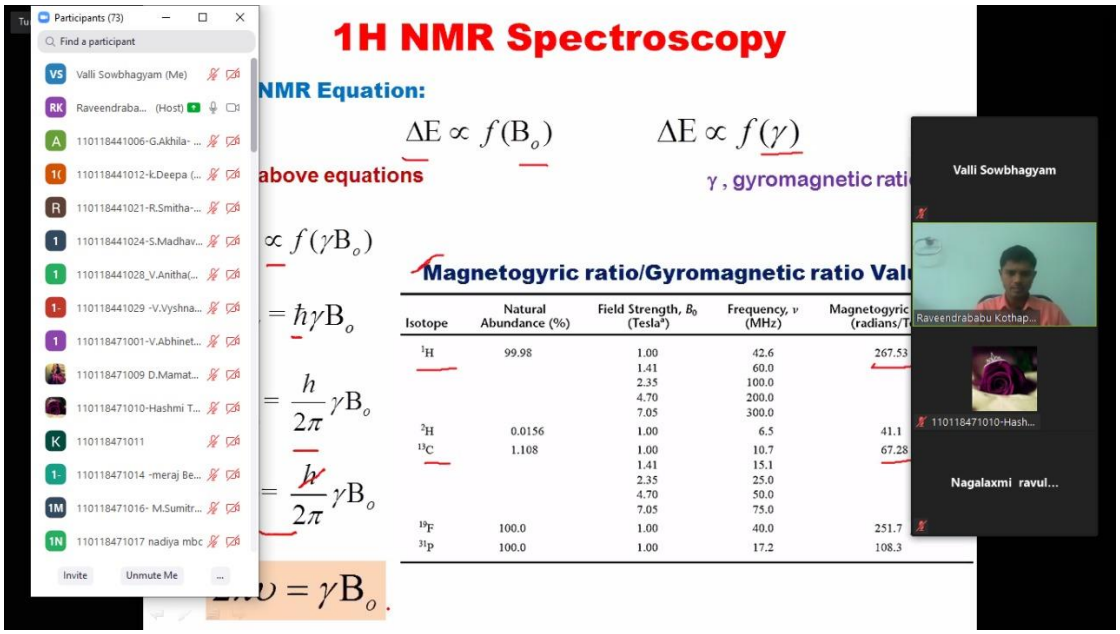
Participants (64)
Raveendrababu Kothapalli (Host)
Nagalaxmi ravula 110118441022
Karamath Ayesha
Amera Fathima
110118471014 -meraj Begum
110118471018_P sravani_(MBC)
110118490017-R.sravya(BCCa) Ru...
BATLANKI SATYA VARA PRASAD (...
110118486020- P.sharadha(MCCA)
110118471028-V.lakshmi prasann...
Raveendrababu Kothapalli
Unmute
Stop Video
Participants
Chat
Share Screen
Pause/Stop Recording
Reactions
Leave
Invite
Unmute Me
Type here to search
3:06 PM
10/15/2020


Turn on Original Sound
Spectroscopy
high
Energy
low
Approximate Wavelength in Meters
10^{-14} 10^{-12} 10^{-10} 10^{-8} 10^{-6} 10^{-4} 10^{-2} 10^{0} 10^{2}
Gamma Rays
X-Rays
Ultra Violet
Infrared
Micro-Wave
Radio
Rotational, ESR Spectrosc
IR- Spectroscopy
UV-Visible Spectroscopy
XRD, PES
Mossbauer spectroscopy
Valli Sowbhagyam
Raveendrababu Kothap...
110118471010-Hash...
Nagalaxmi ravul...


Participants (73)
Find a participant
Valli Sowbhagyam (Me)
Raveendraba... (Host)
110118441006-G.Akhila- ...
110118441012-k.Deepa (...
110118441021-R.Smitha-...
110118441024-S.Madhav...
110118441028_V.Anitha(...
110118441029 -V.Vyshna...
110118471001-V.Abhinet...
110118471009 D.Mamat...
110118471010-Hashmi T...
110118471011
110118471014 -meraj Be...
110118471016- M.Sumitr...
110118471017 nadiya mbc
Invite
Unmute Me
1H NMR Spectroscopy
NMR Equation:
$\Delta E \propto f(B_o)$
$\Delta E \propto f(\gamma)$
above equations
γ , gyromagnetic rati
$\propto f(\gamma B_o)$
$= \hbar \gamma B_o$
$= \frac{h}{2\pi} \gamma B_o$
$= \frac{\hbar}{2\pi} \gamma B_o$
$\Delta \upsilon = \gamma B_o$
Magnetogyric ratio/Gyromagnetic ratio Val
Isotope | Natural Abundance (%) | Field Strength, B_0 (Tesla^a) | Frequency, ν (MHz) | Magnetogyric (radians/T
^{1}H 99.98 1.00 42.6 267.53
1.41 60.0
2.35 100.0
4.70 200.0
7.05 300.0
^{2}H 0.0156 1.00 6.5 41.1
^{13}C 1.108 1.00 10.7 67.28
1.41 15.1
2.35 25.0
4.70 50.0
7.05 75.0
^{19}F 100.0 1.00 40.0 251.7
^{31}P 100.0 1.00 17.2 108.3
Valli Sowbhagyam
Raveendrababu Kothap...
110118471010-Hash...
Nagalaxmi ravul...