



Avinashilingam Institute for Home Science and Higher Education for Women

(Deemed to be University under Category A by MHRD, Estd. u/s 3 of UGC Act 1956)

Re-accredited with A+ Grade by NAAC. Recognised by UGC Under Section 12 B

Coimbatore - 641 043, Tamil Nadu, India



Bharat Ratna

Prof.CNR Rao Research Centre



Virtual National workshop on

“UV Biospec and 3D Optical Profilometer”

On 2nd August 2021, Monday

Time: 11.00 am to 1.00pm

NO Registration Fee ; E-certificate will be provided to registered participants

Online Registration Link: <https://tinyurl.com/yuy3yfue>

Google meet link will be sent to registered participants

For registration and other details contact:

adusamples@avinuty.ac.in, lalitha_chem@avinuty.ac.in



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**Short report on the Virtual National Workshop on UV Biospec and 3D Optical
Profilometer organized by Bharat Ratna Prof.CNR Rao Research Centre**

2.8.2021 at 11.00am

No.of Participants : 275

Participating Institutions : 106

List of institutions

National Changhua University of Education-Taiwan- 2 participants

National Institute of Technology, Sikkim

NIT WARANGAL

PADMSHREE VIKHE PATIL COLLEGE OF ARTS , SCIENCE AND COMMERCE ,
PRAVARANAGAR

University of Calcutta

IIT Delhi

IIT Jodhpur

IIT Kanpur

IIT PATNA

IIT-BHU Varanasi

INDIAN INSTITUTE OF TECHNOLOGY (IIT) TIRUPATI

Indian Institute of Technology Delhi

Indian Institute of Technology Hyderabad

Indira Gandhi National Open University

Institute of science (HBSU) , Mumbai

Jadavpur University

Atma ram sanatan dharma college, University of Delhi

Dr. S. S. Bhatnagar University Institute of Chemical Engineering & Technology, Chandigarh

Babasaheb Bhimrao Ambedkar University (A central University)

CENTRAL UNIIVERSITY OF HYDERABAD

Central university of Haryana

Dr.Harisingh gour viswavidyalaya (a central university)

Government Meera Girls College Udaipur Rajasthan

DG Vaishnav college (Autonomous-Evening shift)

Nehru Institute of Technology

A.P.C.Mahalaxmi College for Women-Thoothukudi

Aarupadai Veedu Institute of Technology, Vinayaka Missions Research Foundation (DU)

Aligarh Muslim University, AMU

Amrita Vishwa Vidyapeetham, Coimbatore

Anna university

Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore.

Avinashilingam Institute for home science and higher education for women, School of engineering

Balurghat College

Bharathiar University

Bharathidasan University, Tiruchirappalli

C. Abdul Hakeem College, Melvisharam.

CIT
CMS college
CSIR-Central Electrochemical Research Institute
D G Vaishnav college (Autonomous-Evening shift)
Dept.of Chemistry, Government Arts College (Autonomous), Coimbatore.
Dr NGP arts and science college
DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE
EGS Pillay Arts&Science College, Nagapattinam
Faculty of Engineering and Technology Jain Deemed to be University
Fisheries College and Research Institute
Government arts college
GOVERNMENT ARTS COLLEGE, TIRUVANNAMALAI
Hajee Karutha Rowther Howdia College (Autonomous)
HOLY CROSS COLLEGE AUTONOMOUS - TRICHY
IDHAYA COLLEGE FOR WOMEN KUMBAKONAM
Jai Shriram Engineering College
K.S.RANGASWAMY.COLLEGE OF TECHNOLOGY TIRUCHENGODE
Kalasalingam Academy of Research and Education
Kamaraj college, Thoothukudi
Karpagam Academy of Higher Education
Karunya Institute of Technology and Sciences, Coimbatore
Kongu Engineering College
Kongunadu Arts And Science College, Coimbatore
LADY DOAK
Loyola college
M KUMARASAMY COLLEGE OF ENGINEERING
Madurai Kamaraj University
MallaReddy Engineering College-Autonomous
Mangarayarkarasi College of Arts and Science for Women
Manonmaniam Sundaranar University, Tirunelveli
Mar Ivanios College Trivandrum, Kerala.
Mother Teresa Women's University
Nanjil Catholic College of Arts and Science, Kaliyakkavilai
Navarasam Arts and Science College for Women
Nehru arts and science college
Nehru Memorial College at Trichy
Nirmala college for women Coimbatore
Periyar University
Pope's College, Sawyerpuram
PSG College of Arts and Science
PSGR KRISHNAMAL COLLEGE FOR WOMEN, PEELAMEDU,COIMBATORE
R. B. Narayanrao Borawake college Shrirampur
Ramakrishna Mission Vivekananda Centenary college
RV Institute of Technology and Management, Bangalore
Sacred Heart College
Sadakathullah Appa College
Sakthi College of Arts and Science for Women, Oddanchatram
Sathyabama Institute of Science and Technology

Savitribai phule Pune University Pune
Sona College of Arts and Science, Salem - 5
Sphaera Pharma Pvt. Ltd.
Sree Chitra Tirunal Institute for Medical Sciences and Technology
Sree Sastha Institute of Engineering and Technology
SRI K G S ARTS COLLEGE, SRIVAIKUNTAM, TAMILNADU
Sri Paramakalyani College, Alwarkurichi
Sri Ramakrishna Mission Vidyalaya College of Arts and Science CBE 20
SRM, INSTITUTE OF SCIENCE AND TECHNOLOGY RAMAPURAM CAMPUS CHENNAI
St.Xavier's College (Autonomous)
The American College
Theni College of Arts and Science, Veerapandi
THIAGARAJAR COLLEGE OF PRECEPTORS
Thiruvalluvar Government Arts College, Rasipuram-637401.
UNIVERSITY OF MADRAS
V.O.CHIDAMBARAM COLLEGE TUTICORIN
Vellore Institute of Technology
Vivekananda college of arts and science for women sirkali
Viyen Biotech LLP
Vidyavardhaka College Of Engineering, Karnataka
WOMENS CHRISTIAN COLLEGE, CHENNAI

Bharat Ratna Prof.CNR Rao Research Centre

Virtual National workshop on

"UV Biospec and 3D Optical Profilometer"

On 2nd August 2021, Monday

Time: 11.00 am to 1.00pm

When

Dr. G.Padmavathi

Dean, School of Physical Sciences &
Computational Sciences

Will preside

[Dr. Shubashini.K.Sripathi](#)

Professor and HOD

Will greet the audience

Resource person:

Dr.P.Lalitha

Professor of Chemistry

& Co-ordinator , Bharat Ratna Prof.CNR Rao Research Centre

NO Registration Fee ; E-certificate will be provided to registered participants

Online Registration Link: <https://tinyurl.com/yuy3yfue>

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Bharat Ratna Prof.CNR Rao Research Centre
Virtual National workshop on

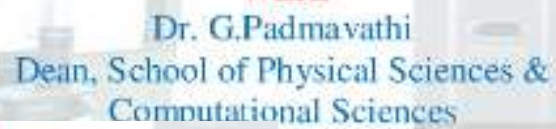
“UV Biospec and 3D Optical Profilometer”

On 2nd August 2021, Monday

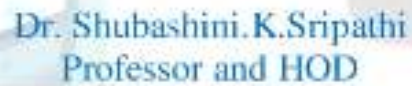
Time: 11.00 am to 1.00pm

Programme schedule

- Prayer- 10 sec
- Welcome and introducing the workshop/centre/institution/dignitaries
- Presidential address
- Greetings
- Lecture 1
- Lecture 2
- Video session for both equipment
- Feedback session



Dr. G. Padmavathi
Dean, School of Physical Sciences &
Computational Sciences



Dr. Shubashini K. Sripathi
Professor and HOD

Contents of feedback form collected online

Any other comments or suggestions
Good
Informative session
It's overall good session
It's overall google session
Very good
Good organization, and nice presentation
Excellent
Excellent
Very informative ,Knowledgeble
Outstanding
Excellent
Can I get the PDF displayed. For revision.
It Was Amazing Experience
Expecting more
Nice
Informative session
Well organized
Good teaching and presentation
Session is very good and knowledge.
Nice sir
Very informative
Nice
Good
No other else and it's very use full to our group
Totally super
The webinar was conducted very well and the practical session was very informative
Very informative
GOOD
Very informative
It's really helpful
Need one more session
Good
Very nice!
Overall presentation is too good and also very informative
Good
Best program.
Very useful
The session was so much informative and good as well to know different and unique things.Thank you
Very nice!

Well organized
Very useful session.
It was amazing.
This seminar valuable for me thanks a lot mam for participating
Very useful for me
It was good.. Cheers!!
Nice work
The Session Was Amazing & Very Informative. I Learnt So Many Important Thing's About Chemistry Research Intersts. Thanks You So Much To The Whole Team.
Thank You for arranging this Webinar
Good arrangements. Thank you
Please take one webinar on " How to prepare for CSIR NET CHEMICAL SCIENCE with JRF " .
This session is very informative and useful for all categories of (ug to scholars) students.
Nice
Everything good
It was well organized
This webinar very useful for me. Thank you mam
KINDLY ARRANGE MORE WORKSHOP IN UPCOMING DAYS , VEERY EAGERLY WAITING TO PARTICIPATE
Good presentation It was very helpful to us
Excellent
Please extend the time of program
It was very knowledgeable and enriching
Very informative.
Good
Sessions were good and helpful.
Very useful and informative
Useful
Time may be increased.
Was an interesting session.It would have been more interesting if v have an oppportunity to see it live.
The session was well explained and through this workshop I learnt many unknown things...thank you for organizing such workshop
Informative and useful session
Very informative session. Want to attend more this type of workshop.
Very well organized.
Informative and useful session
Informative session
Excellent
Useful session
Good
Continue organizing many such events.
Excellent session.
Nice arrangements.

The session was awesome and it was very useful
Class was very interesting and usefull
All the theory and practical sessions are very informative. If you share the PPT and the videos , it will become more helpful for us
Very informative and useful class
It was a very useful session.
Good
Very informative
Thank you mam
Very informative session.
This session was very useful
Very informative session.
The sessions were brief and explanatory and it was excellent
Very much informative and useful
Nice session
Well organised and conduct more such program
The session was really useful and informative.
Plz conduct more programs like this on week end days As i am having my regular classes on week days its hard to attend useful webinars like this And session was useful and fruitful Thank you mam
Informative Sessions
The workshop was much helpful,i am very much thankful to the organising team.
Super
Thank you
I really utilized the whole session...it was very helpful. The only thing is...if we had hands on experience,that would be more useful
Maam i wish to study spectroscopy equipments.. I wish to become a chemist who have a good knowledge about these equipments in future. So please consider me if there is any internship opportunity or workshops available please.I like to study maam
It's very useful to me
Suberb
Good
I am looking for this type of workshop more mam. And next time if the video will more static and a little bit more large then it will be good for us to understand.
The session was good and knowledgeable. Thankyu for such a great session.
Learning both theoretical and practical application of the analytical instrument gives the research scholars like us to get the wide view. So please conduct more such workshops.
This session is knowledgeable and very interesting too
Thank you mam for providing a broad outlook and scope of these instruments.
Thank you very much for the workshop
Very helpful to us please teach about other instruments which you have in your research centre
Very informative program. Please share the information about the next program at electrochemical work station. Thank you
Please organize more informative events like this one.
Good effort
It was a very informative session.

THIS IS VERY USEFUL MAN AND THANK YOU MAM
Keep doing such sessions. Very helpful
Very useful
The lecture is very informative to know more about profilometer nd uv bio spec nano
Good sessions. Good explanations.
It's very nice . Gained new information
very informative session
Nice experience
Thank you Madam for this very useful session
It's was very informative session
This session is really interesting and very informative too. Thank you for organizing this workshop.
Expecting more webinars
very good presentation ,there is no improvisation required
Good session
Hoping to have more sessions.
I was able to understand the concept very well and looking forward for more such events
No suggestion mam nice lecture mam
Thank you mam for the excellent theory session on 3D profilometre and BioSpec. As always you engaged with new information on both the topics.
Hoping many more such informative sessions will be held
It was indeed an outstanding workshop. Very helpful and knowledgeable.
Nice workshop. Organise more such workshop
The section is very use full to us
Excellent
Well
Every session were clearly presented and informative. Demonstration would have been better if it was live. But thank you for letting us see the instruments.
good
It was wonderfully.
Thanks for the informative session.
Great work !!its very useful session
Very informative workshop
Yep! It's really informative and encouraging to refer the technology in various science field.
Class was very usefull to know more about it Thank you mam
The session was very useful and informative Thanking all
Very informative
Thank u get knowledge about it will really helpful
Really informative, from next meetings if you record we could see for future reference.
Conduct more webinar
Very informative
please do conduct often
Thank you for organizing committee
Nice

Thank you for the wonderful workshop.it really amazing and we learned a lot of knowledge
Very good and Informative session
Very useful for all ug students to research scholar.
Very Informative Session
Nice
NO ,ITS REALLY A EXCELLENT SESSIONS
Nice work and presentation. The demonstration part is the most specific and highly appreciable one.
Very Good
Very great but you will please arrange some analytical instrument this type one session
Kindly intimate me if there is a offline workshop so that we can see all the instruments and it will be helpful to us
Overall nice experience
Very useful and informative. Please Do conduct many such programs in future
Very useful
It's a very informative and useful session mam.I learnt more new information's in UV bio spec.Thank you mam
Please conduct more webinars
Want practical demonstration on FTIR, XRD and SEM- EDAX
It's very informative sessions
Good
Thank you mam, for the informative session.
Awaiting for the next session like today
Nice
Excellent presentation
Rest of equipments can also be explained through forthcoming workshop
It's very informative sessions. Thank you so much
Good
Very valuable for all research scholars for analysing their sample.. Thank you mam
Excellent sessions
Thank you for organizing such an event and hatsoff to the organizers for perfection in time management
Very good and informative.. Thank you very much
It was varum useful and learn a lot
Very informative, new instrument s have been discussed for analysis purpose. Nice
No, excellent session
REALLY INFORMATIVE ,IM SATISFIED WITH THIS WORKSHOP THANK YOU
Very Informative and Very Useful session.
Great work.. Thank you mam for the wonderful explanation.
If we have on hand workshop, it will be much helpful.
It was a good learning experience for me.Thanks for organizing this!
Highly informative
Very useful
Very informative
Informative session

Excellent session
It was really informative Mam
nice
Very informative session. Looking for many more lectures.
Please make more webinars like this
Good
Very informative

Resource person: Dr.P.Lalitha

Screenshots for the Workshop on 3D optical profilometer and UV biospec

meet.google.com/hqm-uqll-usq?pli=1&authuser=3

11:09 AM | hqm-uqll-usq

People

Add people

1 raised hand

Sahid Afridi Hossain

In call

- Aruna P Chemistry ... (You)
- 19UCH23:Fathima.M
- 202CH014 ABHIJITH K M
- 20E3953 GOPI KRISHNA ...
- 20E3959 ViswaKannan R K
- 20E3964Sumaiya Jabeen

163 others

Activate Windows 167
Go to Settings

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11:13 AM | hqm-uqll-usq

Programs ADUS General

Sahid Afridi Hossain

Subhashinikeripathi Chem...

165 others

You

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11:14 AM | hqm-uqii-usq

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Jerency Franklin has left the meeting

Programs_ADUS General


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Programs_ADU5 General is presenting

Greetings by Dr. Shubashini Sripathi, Prof and Head, Dept. of Chemistry



<https://sites.google.com/avinuty.ac.in/dr-shubashini-k-sripathi>

Swathi Vasu has left the meeting

11:20 AM | hqm-ujll-usq

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Subhashini Sripathi Chem...

Sahid Afridi Hossain

168 others

You

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Jemi Pearce has left the meeting

Subhashini Sripathi Chemistry

11:21 AM | hqm-ujll-usq

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Programs_ADU5 General

Sahid Afridi Hossain

Dean PSCS

168 others

You

Programs_ADU5 General is presenting



Programs_ADU5 General

165 others

You

11:55 AM | hqm-ujii-usq



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meet.google.com/hqm-ujii-usq?pli=1&authuser=3

Programs_ADU5 General is presenting

2. Drop-and-Click Analysis

Fig. 2 shows the analysis procedure used with the BioSpec-nano. First, 1 μL (pathlength 0.2 mm) or 2 μL (pathlength 0.7 mm) of sample is deposited on the tip of the fiber optic element housed in the target platform. Then, by clicking the [start] button on the instrument or via the software, the upper window is lowered automatically to sandwich the sample between the upper window and target at the pathlength set beforehand using a simple setting lever. At this point, the xenon lamp flashes, and a UV-VIS absorption spectrum (220 – 800 nm) is acquired within 3 seconds to generate the results, which The analysis results are displayed via the software, as shown in Fig. 3. Upon completion of the analysis, the liquid-contact surfaces (target and upper window) are wiped clean by the action of the automatic wiping mechanism. A piece of cloth specially developed for wiping these surfaces is used for the automatic wiping. The wiping cloth has an

12:14 PM | hqm-ujii-usq

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Go to Settings to activate Windows.

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Programs_ADU5 General is presenting

Zeta-20 3D Optical Profilometre



- 1. CCD Camera** - To capture sample images and focus map data.
- 2. Zeta Optics Module** - Contains a focus map signal generator, a high intensity white light LED source to preserve sample color and optics to optimize illumination.
- 3. Precision Z-drive mechanism** - For sub-micron level resolution.
- 4. Zeta Control Box** - Contains the controller for Z-drive and optics module electronics.
- 5. Substrate Holder** - To place the sample with X-Y and angular adjustment.
- 6. Computer System** - Contains Zeta 3D imaging and analysis software.

Slide courtesy: Ms. C.Akhila, Research Scholar

11:53 AM | hqm-ujii-usq

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