

PHARMA COGNIZANCE



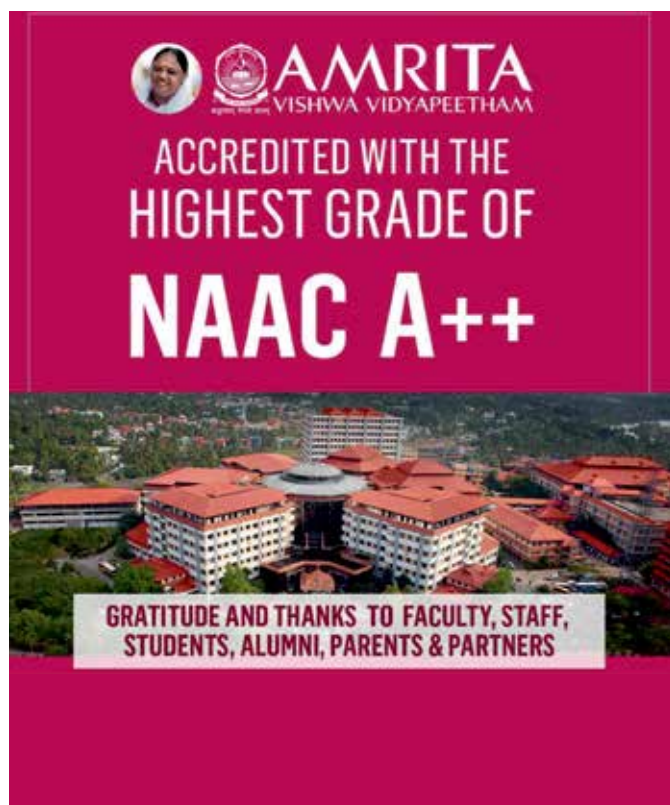
AMRITA
VISHWA VIDYAPEETHAM

**RANKED AMONG TOP 5
UNIVERSITIES IN INDIA**

nirf
2021
GOVT. OF INDIA

**12TH BEST
IN PHARMACY**





IN THIS ISSUE

Jan - Dec 2021

Highlights

Alumni Awards

Student Achievements

Faculty accomplishments

Publications

New Faculty

Academic Events

Programs By Departments

Virtual Alumni Meet -Amrita Smriti

Virtual Pharma Arts Fest - Dhvani

Cultural Events

Highlights



Pharmacovigilance Regional Training centre

The Adverse Drug Reaction Monitoring Centre (AMC) of AIMS has been recognised as Regional Training Centre (RTC), since 1st October 2021. The central responsibility of the RTC is to identify adverse drug reaction and Observe-Analyse-Report to the National Coordination Centre. Department of Pharmacy Practice faculty are actively involved in the working of RTC.

COVID-19 Vaccination Drive

Students of Amrita School of Pharmacy actively participated in COVID-19 vaccination drive organized by AIMS and were involved in various activities like registration, verification, post-vaccination feedback, and other helpline services.



Alumni Awards

Amrita Alumni Association, AIMS, Kochi initiated Alumni Awards from 2021. The nominations were considered based on their individual achievements, contributions to the industry or profession and services to the community in a national or international perspective. The list of awards for pharma alumni are as follows

Early Achiever

Dr. John Joseph, Fulbright postdoctoral fellow, Brigham and Women's Hospital, Harvard Medical School, USA (BPharm 2006-10 batch)

Dazzler

Dr. Mohamed Hisham Basheer, Clinical and Antimicrobial Stewardship Pharmacist, Cleveland Clinic Abu Dhabi, UAE (B Pharm 2005-09 batch)

Distinguished Alumni

Dr. Dhananjay Kumar Singh, Assistant Professor, Central University of South Bihar (CUSB), Gaya (B Pharm 2006-10 batch)

Leadership Award

Dr. Vrinda Nampoothiri, Clinical Research Pharmacist, Amrita Institute of Medical Sciences and Research Centre, Kochi (Pharm D 2010-16 batch)



Student Achievements



Ms. Aswathy K N and Mr. Sreejith T S, PG Scholars of M.Pharm (Pharmaceutics) bagged the **first and second positions** respectively in **South Zone Dissolution Research Presentations India 2021** – Online, organized by the **Society for Pharmaceutical Dissolution Science** on 17th July 2021.



Ms. Krishna S and Ms. Varsha PS, Pharm.D 5th year students bagged the **second prize** (cash prize of Rs 1000/-) in **poster competition** on the topic ‘**Hand Washing**’, organized by **Department of Infection control, AIMS** on 13th October 2021 in connection with Global Hand Washing Day.



The ADR monitoring centre, Department of Pharmacology, AIMS organized Inter Collegiate Quiz, Essay and E poster competition as part of National Pharmacovigilance Week, for the students of health science campus. Our students won prizes for many events

- Ms. Malavika K J, 2nd year Pharm.D – First prize, Essay competition
- Ms. Varsha P S, 5th year Pharm D – First prize, E- poster
- Ms. Rajalakshmi R and Mr. Aswin D, 5th year Pharm D – Second prize, Quiz
- Ms. Gayathri J S Pharm D 5th year–Second prize, Essay competition
- Ms. Anju V, 2nd year Pharm D – Third prize, E-poster



Ms Swathy Samban and V U Lakshmi secured **second prize** for **poster competition** conducted by **Stroke Department, AIMS** on 29th October in association with World Stroke Day



Ms. Adithya J, M.Pharm, 1st semester (Pharmaceutics) student was awarded with **second prize** in **Students Pharmaceutical Conclave** organized by the **Pharmacist Society of Kerala** in association with Kerala Private Pharmacists Association on 21st August 2021.

Adithya J selected for SITARE (Students Innovations for Translation & Advancement of Research Explorations (SITARE) Scheme)-Appreciation Grant residential workshops called as Biotech Innovation Ignition School (BIIS) for undergraduate students. She has undergone hands-on-technical training and mentorship for research problem identification in 3-4 weeks duration. The programme is an initiative of **Industry Research Assistance Council (BIRAC), Department of Biotechnology (DBT)** and Aditya participated in the BIIS 9 during April- May 2021.



Ms. Krishna S and Ms. Varsha PS, Pharm.D 5th year students won the **first prize in poster competition** organized by the Geriatric department of AIMS on 30th September 2021 on the topic 'Pandemics: Do they change how we address age and ageing'. Ms. Abhishekitha Sai and Ms. Anjana C of 5th year Pharm.D secured **second position** and Mr. Kaushalendra Pratap Singh of Pharm D(PB) second year bagged the **third prize**



Ms. Rajalakshmi R, Pharm.D 5th year received the **best poster award** in ISFCON 2021 - online international conference on Recent advances in Pharmaceutical Sciences conducted from 1st to 3rd July 2021 organized by ISF College of Pharmacy, Moga.

- The Education Forum of Indian Pharmaceutical Association Kerala state Branch organized an Intercollegiate **Quiz competition** virtually on 19th December 2021. A total of 30 students participated from 30 pharmacy colleges all over the state. Ms Rajalakshmi R of Pharm D 5th year secured **first prize**.

- Ms Rajalakshmi R and Mr Aswin D of Pharm D 5th year secured 2nd and 3rd prize respectively for **essay competition** organized by Carcinogenesis Research Foundation(India & USA) in collaboration with Dept of Oncology, AIMS as part of commemorating Lung Cancer Awareness month



Faculty accomplishments



Dr. Sabitha M

Received Award of Excellence, Pharma Leadership summit, 2021



Dr. Bijo Mathew

Appeared in Stanford list of world's top 2% Scientists and World Scientist and University Rankings 2021, AD Scientific Index Ltd. He was also awarded "best resource person award" from National College of Pharmacy. He also got 4 lakh grant from DSR, King Khalid University, Abha, Saudi Arabia for his research project.



Dr. Lekshmi R Nath

Appeared in news for the approval of novel isolated compound uttroside-B as orphan drug status by US-FDA.



Mr. Prashant. S

Received Young Researcher Award-2021 by Society of Young Biomedical Scientists, India





Dr. Jaya Thomas

Received ICMR grant of 29 Lakh INR in June 2021 for the project entitled "Effect of Vitamin D in ADHD, a clinical study in a tertiary care hospital".



Dr. Kaladhar Kamalasanan

Became a member of Executive Committee of Society for Biomaterials & Artificial Organs India for three years.



Dr. Vidya Viswanad

Served as a member of Organising committee of south zone DRPI in Disso research presentations India, 2021.



Dr. Uma Devi P

Received ICMR grant of 29 Lakh INR in march 2021 as Co-investigator

Amrita Innovation & Research Awards (AIRA), 2021

Chancellor's publication award



Dr. Bijo Mathew



Dr. Kaladhar Kamalasanan



Dr. Kaladhar Kamalasanan

Publication merit award



Dr. Sabitha M



Dr. Aneesh T P



Dr. Bijo Mathew



Dr. Lekshmi R Nath



Dr. Rajitha P



Ms Sreeja C Nair

Certificate of appreciation



Dr. Aneesh T P



Dr. Athira K V



Mr. Kanthlal S K



Dr M S Sudeesh



Ms. Remya Reghu



Promising potential for nose to brain direct delivery of phenytoin sodium in treating acute epileptic seizures.

Sreeja C Nair & Sabitha M, 2021, Pharmaceutics



Aspirin could reduce deaths in COVID-19!

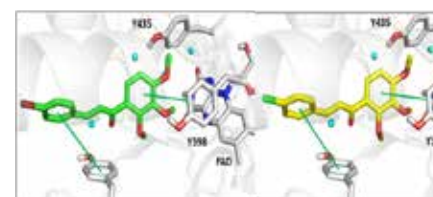
The new aspirin drug delivery system is aimed for resolving several limitations of current aspirin therapy to reduce deaths in COVID-19 by reducing cardiovascular complications.

Kaladhar K et al., 2021, Int. J. Biol. Macro.



Trimethoxylated halogenated chalcones as dual inhibitors of MAO-B and BACE-1 for the treatment of neurodegenerative disorders

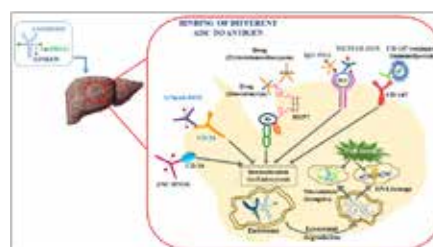
Bijo Mathew et al., 2021, Pharmaceutics



Antigen-targeted ADCs against hepatocellular carcinoma

An antibody-drug conjugate (ADC) is an advanced chemotherapeutic option with immense promise in treating many tumor. The review mainly highlights the preclinical evaluation of different antigen-targeted ADCs against hepatocellular carcinoma and its future relevance.

Lekshmi R Nath et al., 2021, Clin Transl Oncol.



Current management strategies for radiation therapy- induced nausea and vomiting (RINV) crisis

Meenu Vijayan et al., 2021, J Oncol Pharm Practice



Repurposing and therapeutic potential of vorinostat

The article summarizes the therapeutic potential of vorinostat, the first approved histone deacetylase inhibitor, in disorders of brain, and strategies to improve drug efficacy and reduce side effects.

Athira K V et al., 2021, Neuromolecular Med.

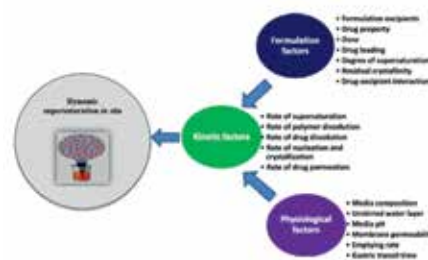




Role of permeability in dissolution study of amorphous solid dispersions

Competing kinetic processes give rise to a dynamic supersaturation in situ during the dissolution of amorphous solid dispersions (ASDs) that depends on the formulation and physiological factors. The review evaluates the feasibility, predictability, and practicability of permeability/dissolution for the optimal development and risk assessment of ASD formulations.

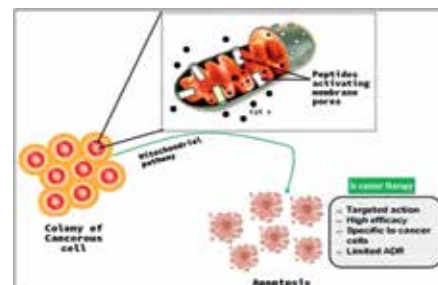
Sudheesh MS et al., 2021, AAPS PharmSciTech.



Drug discovery in Cancer

This article provides a review of synthetic peptides that stimulate apoptosis via the mitochondrial pathways in the hopes of developing future cancer treatments

Rajitha P & Kanthlal SK 2021, Int J Pept Res Ther



Treating Mucormycosis

This paper analyzes the existing statistical data to address the severity of prevalence and further notes the nano-based diagnostic parameters, clinical presentations, its connection with other conditions like diabetes, hypertension, and GI disorders, and the importance of anti-fungal therapy in treating Mucormycosis Severity in Indian COVID-19 patients

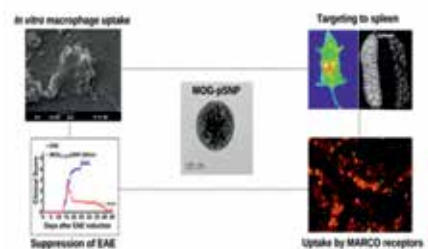
Subin M Zachariah et al., 2021, Antibiotics



Exploiting the preferential phagocytic uptake of nanoparticle-antigen conjugates for the effective treatment of autoimmunity

Effective delivery of therapeutic brain antigens such as myelin oligodendrocyte glycoprotein (MOG) to splenic macrophages was accomplished by using macrophage specific nanoparticles such as silica nanoparticle (SNP) as carrier and thereby modulating autoimmune response in the experimental autoimmune encephalomyelitis (EAE) mice model of multiple sclerosis.

Prashant S et al, Nanomedicine 2021



Application of Chitosan and Its Derivatives in Transdermal Drug Delivery

M. Sabitha

Rajitha Panonnummal,



Medicinal Chemistry-II by Dr. Bijo Mathew, Dept. of Pharmaceutical Chemistry, Amrita School of Pharmacy





Dr. M P Narmadha

- Dr. M. P. Narmadha joined as Professor & Head of the Department of Pharmacy Practice in April 2021.
- She obtained her M.Pharm in Pharmaceutics from the Institute of Technology, Banaras Hindu University, Varanasi.
- She completed her Ph.D. in Pharmaceutical Sciences from Tamil Nadu Dr. MGR Medical University in 2008.
- She has more than 39 years of teaching and research experience; 20 years as HOD of Pharmacy Practice, 8 years in Pharma industry in R&D, Quality control Department and Clinical Research.
- She has several publications in national and international journals. She is a recognized trainer for Pharmacovigilance associates of PVPI, IPC, Gaziabad and auditor of Pharmacovigilance Peripheral centers in India.



Dr. Aadharsa Sugunan

- Dr. Aadharsa Sugunan joined as a Lecturer in the Department of Pharmacy Practice, Amrita School of Pharmacy.
- She was a former Pharm.D student of Amrita School of Pharmacy.
- She has 3 international publications to her credit.
- Her main areas of interest are Patient Counselling, Pharmacovigilance and Clinical Practice.



Ms Nikhna Jayan

- Ms Nikhna Jayan is a Lecturer in the Department of Pharmacy Practice, Amrita School of Pharmacy.
- She finished M.Pharm and B.Pharm from Nehru College of Pharmacy.
- Her main areas of interest are patient counseling and Pharmacovigilance



Dr. Sandra T Puthean

- Ms Sandra T Puthean is a Lecturer in the Department of Pharmacy Practice, Amrita School of Pharmacy.
- She completed her Pharm.D degree from National College of Pharmacy under Kerala University of Health Sciences.
- She received the 'Promising Paper Award' in the 'non-communicable diseases' category at the Harvard Global Health Institute-Amrita International Public Health Conference in Kochi in November 2019.
- She has published her research in several Q1 journals and her findings of research have been covered in national newspapers, such as the Times of India and The New Indian Express.



Dr. Selin C Joy

- Dr. Selin C Joy is a Lecturer in the Department of Pharmacy Practice in Amrita School of Pharmacy.
- She obtained her Pharm.D from Nehru College of Pharmacy under Kerala University of Health Sciences, Kerala.
- Her research project was on Antibiotic stewardship.
- She has clinical experience in the departments of General medicine, Neurology, and ICU.
- Her main areas of interest are patient counselling, Prescription auditing and Pharmacovigilance activities.



Dr. Shethal Joju

- Dr. Shethal Joju joined as Lecturer in the Department of Pharmacy Practice, Amrita School of Pharmacy.
- She obtained her Pharm.D from Nazareth College of Pharmacy under Kerala University of Health and Sciences.
- Her main research interest is Endocrinology and Infectious Diseases.
- She has published 4 papers, which include a research article, a case report and 2 peer-reviewed articles.

Department of Pharmacology

Dr. Krishnadas M.S

- Dr. Krishna Das M. S. is an Assistant Professor in the Department of Pharmacology, Amrita School of Pharmacy.
- He obtained his M. Pharm. in Pharmacology from Mahatma Gandhi University, Kottayam, Kerala, India, in 2013 and Ph. D. in Pharmacology from Rajiv Gandhi University of Health Sciences, Bengaluru, India in 2019.
- His primary areas of focus are Autoimmunity, Neurodegeneration and Molecular Biology.
- He has 7 years of research and 2 years of teaching experience with 7 international publications.

Dr. Manish K Jeengar

- Dr. Manish Kumar Jeengar joined as an Assistant Professor in the Department of Pharmacology, Amrita School of Pharmacy in July 2021.
- He obtained MS (Pharm.) in Regulatory Toxicology from National Institute of Pharmaceutical Education & Research (NIPER), Mohali in 2011 and Ph.D. in Pharmacology & Toxicology from National Institute of Pharmaceutical Education & Research (NIPER), Hyderabad in 2016.
- He did his postdoctoral research (2016-17) at Linköping University, Sweden and also worked as a research associate at ICMR-National Institute of Virology, (NIV) Pune.
- He has published total 29 papers in International Journals. His primary areas of interest are chronic inflammatory and autoimmune disorders, anticancer drug research, molecular pharmacology and toxicology.

Department of Pharmacognosy

Ms. Lakshmi P K

- Ms. Lakshmi P. K. currently serves as Research Scientist in the Department of Pharmacognosy, Amrita School of Pharmacy.
- She has done her M.Pharm (Pharmacognosy and Phytochemistry) at Jamia Hamdard, New Delhi.
- She has 6 years' experience in teaching and has more than 6 years research experience, working as JRF in MPCST funded project.
- She has submitted her Ph.D. thesis in Pharmaceutical Sciences at Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal.
- Her areas of research interest include stress biology, standardization of herbal drugs and yeast-based screening assays of anti-inflammatory phytoconstituents.

Pharmaceutical Chemistry

Dr Sai Prabha V N, Pharmaceutical Chemistry:

- Dr. Saiprabha V. N. currently serves as Assistant Professor in the Department of Pharmaceutical Chemistry & Analysis, Amrita School of Pharmacy.
- She obtained her M. Pharm. in Pharmaceutical Chemistry from Mahatma Gandhi University, Kottayam, Kerala, India, in 2013 and Ph. D. in Pharmaceutical Chemistry from Rajiv Gandhi University of Health Sciences, Bengaluru, India, in 2020.
- Dr. Saiprabha's primary areas of focus are in drug design and synthesis especially in the area of cancer. Her main research interest includes the design and synthesis of Bromodomain inhibitors.

Dr. Ginson George, Pharmaceutical Chemistry

- Dr. Ginson George currently serves as Assistant Professor in the Department of Pharmaceutical Chemistry & Analysis, Amrita School of Pharmacy.
- He completed his M. Pharm. in Pharmaceutical Chemistry from College of Pharmaceutical Sciences, Medical College, Thiruvananthapuram, Kerala and PhD from Department of Pharmacy, Birla Institute of Technology and Sciences, Pilani, Rajasthan India.
- Dr. Ginson has several publications in peer reviewed journals and has presented his research work in many national and international conferences.
- His research areas of focus are in computer-aided drug design and synthesis of novel agents especially in the area of cancer and neurodegenerative disorders.

Department of Pharmaceutics

Dr. Rahul Soman

- Dr. Rahul Soman joined as an Assistant Professor in the Department of Pharmaceutics in December 2021.
- He obtained his M. Pharmacy (Pharmaceutics) from The Dr. MGR Medical University, Chennai, Tamil Nadu and PhD at National Institute of Technology Calicut in the area of porphyrin chemistry.
- He joined as a Postdoctoral fellow in P. K. Panda Research Lab, School of Chemistry, Hyderabad Central University where he received DST SERB National Postdoctoral fellowship and later UGC Dr. D.S Kothari National Postdoctoral Fellowship.
- He published 13 international journals and filed an Indian Patent on theranostic applications of contracted porphyrins.
- His research interest includes, development of fluorophores and theranostic agents, defining metabolic pathways of drugs & xenobiotics, porphyrinoid chemistry, photodynamic therapy, antiaromaticity, supramolecular chemistry and crystallography.

Virtual Mobility Program

Amrita School of Pharmacy, Amrita Vishwa Vidyapeetham and Ulster University, United Kingdom under the UK-India Education and Research Initiative organized a virtual mobility program of 30 hours, spread over 5 days, from 5th to 26th February 2021.



- Mr. Iain Jack, Lecturer in Clinical Pharmacy, Ulster University handled a session on 'Getting Medication to Patients in the UK'.
- Mrs. Anila K N, Assistant Professor, Department of Pharmacy Practice, Amrita School of Pharmacy, Amrita Vishwa Vidyapeetham conducted a session on 'Getting Medication to Patients in India'.
- Dr. Sangita A S, Research fellow, Indian Council of Medical Research/Centre of Disease Control Collaborative, and Dr. Vrinda Namboothiri, Clinical Research Pharmacist, Department of infection control and epidemiology, Amrita Institute of Medical Sciences & Research Centre, took a session on the 'Antibiotic Stewardship Programme'.
- Dr. Kiran G Kulirankal, Assistant Professor, Division of Infectious diseases, Department of Internal Medicine, Amrita Institute of Medical Sciences & Research Centre gave a talk on 'COVID vaccination updates with insights to Indian Scenario'.
- Dr. Martin Kelly, Respiratory Consultant, Altnagelvin Area Hospital, Londonderry discussed about 'The role of Translational Medicine in COVID and other respiratory diseases'.
- Dr. Aaron Courtney, Lecturer, Clinical Pharmacy, Ulster University delivered a talk on 'How to make people unwell- an ethical approach'.
- Dr. Sunil Mahore, Senior Manager, Serum Institute of India delivered a talk on 'COVID-19 vaccine-a ray of hope'.

Highlights

- Dr. David Gibson, Senior Lecturer, Biomedical Sciences, Ulster University gave a talk on 'COVID-19 in the UK'.
- Dr. Sarah Atkinson, Lecturer, Stratified Medicine, Ulster University took a session on 'Introduction to Personalised Medicine & Pharmacogenomics'.



World Pharmacist's Day

Two webinars were hosted by Amrita School of Pharmacy in connection to World Pharmacist's Day 2021 celebrations on 25th September 2021.

Highlights

- First session was handled by Shri. P Prakash Babu, on the topic "Regulatory Overview in Pharmaceutical Manufacturing and Distribution".
- Dr Siddhartha N Dhurappanavar was the speaker for second session and emphasised on the critical roles by a clinical pharmacist.

AMRITA School of Pharmacy
VISHWA VIDYAPEETHAM

Webinar Series in connection to

National Science Day Celebration 2021

Theme recommended by Ministry of Science and Technology, Govt. of India for this year is
FUTURE OF SCIENCE TECHNOLOGY & INNOVATION (STI): IMPACTS ON EDUCATION, SKILLS AND WORK

National Science Day is significant to spread the message of importance of science and its application among people. In an era of knowledge revolution, where humanity transcends known limits through profound discoveries every other day, it is important to inculcate scientific temper and outlook in our daily lives.

SESSION 1
Date & Time: 1st March 09:00 am

Speaker: Dr. John Joseph
Postdoctoral fellow, Center for Nanomedicine, Brigham and Women's Hospital, Harvard Medical School

TITLE OF SESSION: Let's talk research; Do you intend to pursue it?

Join the session <https://tiny.one/espineday-1>

SESSION 2
Date & Time: 2nd March 09:00 am

Speaker: Dr. A. Seema
Scientist, Centre for Materials for Electronics Technology, Thrissur, Kerala, India

TITLE OF SESSION: Contact thermometry for Early Detection & Mass Screening of Breast Cancer.

Join the session <https://tiny.one/espineday-2>

SESSION 3
Date & Time: 3rd March 09:00 am

Speaker: Dr. R.B. Umamaheshwari
IP Consultant & Patent Analyst

TITLE OF SESSION: Recent Insights in Patent Filing in India

Join the session <https://tiny.one/espineday-3>

AMRITA School of Pharmacy
VISHWA VIDYAPEETHAM

National Science Day

Amrita School of Pharmacy organized a series of webinars as a part of National Science Day from 1st to 3rd March 2021. The theme recommended by the Ministry of Science and Technology, Govt. of India for the year was "Future of science technology and innovation: Impact on education, skills and work".

Highlights

- A session on "Research" by Dr. John Joseph, an alumnus of Amrita School of Pharmacy and presently Postdoctoral fellow, Center for Nanomedicine, Brigham and Women's Hospital, Harvard Medical School.
- Another session on "Contact thermometry for early detection and mass screening of breast cancer" by Dr A. Seema, Scientist, Centre for Materials for Electronics Technology, Thrissur.
- The last session was on "Recent insights in Patent filing in India" by Dr. R B Umamaheshwari, IP Consultant and Patent Analyst.

AMRITA School of Pharmacy
VISHWA VIDYAPEETHAM

NATIONAL PHARMACY WEEK CELEBRATION 2021

ENSURE TO EMPOWER PATIENTS

Talk by

Ms. LEENA KAPPEN THOMAS
Registered Pharmacist at Yurek Pharmacy, Canada

29 NOV 2021 | 9:30 AM
Join Meeting

EMPOWERING THE PHARMACISTS OF 21ST CENTURY

Talk by

Dr. HEMA CHAUDHARY
Dean, Faculty of Pharmaceutical Sciences, PDM University, Haryana

30 NOV 2021 | 11:30 AM
Join Meeting

webinar

National Pharmacy Week

Two webinars were hosted by Amrita School of Pharmacy in connection to National Pharmacy Week celebrations on 29th and 30th November 2021.

Highlights

- First session was by Ms. Leena Kappen Thomas, Registered Pharmacist, Yurek Pharmacy, Canada on empowering patients.
- Second session was by Dr. Hema Chaudhary, Dean, Faculty of Pharmaceutical Sciences, PDM University, Haryana on empowering the pharmacists of 21st century.
- An Instagram page titled, "Rx: Pharmacist on Board" was initiated as part of National Pharmacy Week Celebrations by the department of Pharmacy Practice. It aims to highlight the importance of Clinical Pharmacist and provide patient counselling information to the general public.

Department of Pharmaceutics

Webinar on “The rising threat of antimicrobial resistance and novel strategies for antibiotic discovery”

Dr. Anutthaman Parthasarathy, Post-Doctoral Associate, Rochester Institute of Technology, New York was the speaker of the webinar organized on 12th May 2021.

Highlight

- Briefed on the growing anti-microbial resistance medical threat and the potential of plant defense molecules as promising anti-infective drug candidates



AMRITA VISHWA VIDYAPEETHAM School of Pharmacy

Webinar:

Date: 12-05-21 (Wednesday)
Time: 9.00 am
Microsoft Teams Link:
<https://tinyurl.com/y269f3te>

DR. ANUTTHAMAN PARTHASARATHY,
ROCHESTER INSTITUTE OF TECHNOLOGY, NY, USA

Title: "The rising threat of antimicrobial resistance and novel strategies for antibiotic discovery"

Webinar on “Innovator drug vs Generic drug”

Dr. Shinu Chacko, Manager, Clinical Pharmacology and Pharmacokinetics, Sun Pharma, Haryana was the key note speaker for the webinar organized on 26th May 2021.

Highlight

- Briefed about the pharmacokinetic studies of both generic and innovator drugs



AMRITA VISHWA VIDYAPEETHAM School of Pharmacy

Webinar

Date : 26/05/2021 Time : 3.00pm

**Topic: Innovator Drug Vs Generic Drugs;
A Short Discussion**

Speaker: Dr Shinu Chacko
Manager, Clinical Pharmacology and Pharmacokinetics
Sun Pharmaceutical Industries Ltd
Guarun, Haryana

Link: <https://tinyurl.com/y5j3pz6u>



AMRITA VISHWA VIDYAPEETHAM School of Pharmacy

Webinar:

Date: 09-06-21 (Wednesday)
Time: 11.00 am
Webex Link:
<https://tinyurl.com/3nsb75e2>

DR. RISHI GUPTA
APPLICATION SPECIALIST
ANTON PAAR

Title: "Characterization of sub visible particles in drug products"

Webinar on “Characterization of sub-visible particles in drug products”

Dr. Rishi Gupta, Application specialist, Anton Paar India was the speaker for the webinar organized on 9th June 2021.

Highlight

- Explained how the particles during different stage of manufacture can have an impact on drug's effectiveness

Webinar on “Implementation of QbD in dissolution method development”

Mr. Vijay Kshirsagar, Director and CEO, TRAC Pharma Consulting was the speaker for the webinar organized on 18th June 2021.

Highlight

- Explained the different steps in QbD process and discussed how QbD can be applied to get an efficacious product

LIVE WEBINAR

AMRITA VISHWA VIDYAPEETHAM | School of Pharmacy

IMPLEMENTATION OF QbD IN DISSOLUTION METHOD DEVELOPMENT

Date : 18-6-2021 (Friday)
Time : 11:00am

WEBINAR LINK - <https://tinyurl.com/fjrtkxus>

VIJAY KSHIRSAGAR
Director & CEO
TRAC Pharma Consulting

ORGANISED BY:
DEPARTMENT OF PHARMACEUTICS
AMRITA SCHOOL OF PHARMACY

Webinar on “Timeline, Budget and Procedures in Patent Filing till granting”

Dr. R B Umamaheshwari, IP Consultant and Patent Analyst was the key note speaker for the webinar organized on 11th June 2021.

Highlight

- Elaborated the eligibility criteria for obtaining the patent, documents to be submitted, rights of patentee, terms of patent, expiry of patent, surrendering of patent and its revocation.

AMRITA VISHWA VIDYAPEETHAM | School of Pharmacy

Timeline , Budget and Procedures in Patent Filing till Granting

Date: 11-6-2021 (Friday)
Time: 03:00pm

LIVE WEBINAR
Google Meet

<https://meet.google.com/mad-nkqv-zdo>

Dr. R B Umamaheshwari
IP Consultant & Patent Analyst

ORGANISED BY:
DEPARTMENT OF PHARMACEUTICS
AMRITA SCHOOL OF PHARMACY

Department of Pharmaceutical Chemistry and Analysis

Webinar on “Flash Chromatography Systems in Purification Process”

Mr. Arjun G, Product Manager for Flash and Consumables, Spinco Biotech was the speaker for the webinar organized on 1st June 2021.

Highlight

- Explained different types and the mode of operation of flash chromatographic instruments

LIVE WEBINAR

AMRITA VISHWA VIDYAPEETHAM | School of Pharmacy

Flash Chromatography System In Purification Process

Join Us : <https://tinyurl.com/k2z59tkw>

TUESDAY 1 JUNE 2021 • 10.30 AM

Arjun.G
Product Manager
Spinco Biotech

Organised by : Department of Pharmaceutical Chemistry and Analysis,
Amrita School of Pharmacy Kachi

**LIVE
WEBINAR**



AMRITA
VISHWA VIDYAPEETHAM

School of
Pharmacy

Organic Chemistry Laboratory Practice for Pharmacy Students and Scholars

Join Us : <https://tinyurl.com/k2z59tkw>

TUESDAY 8 JUNE 2021 • 10.30 AM

Dr. Rangarajan T. M.
Assistant Professor (Ad-Hoc)
Department of Chemistry
Sri Venkateswara College,
University of Delhi

Organised by : Department of Pharmaceutical Chemistry and Analysis,
Amrita School of Pharmacy Kochi

Webinar on “Organic Chemistry Laboratory Practice for Pharmacy Students and Scholars”

Dr. Rangarajan T. M., Assistant Professor, Department of Chemistry, Sri Venkateswara College, University of Delhi was the speaker for the webinar organized on 8th June 2021.

Highlight

• Explained the laboratory setting, safety measures, planning and documentation as well as various chromatographic techniques for the identification and purification of the synthesized compounds



AMRITA
VISHWA VIDYAPEETHAM

AMRITA PHARMACEUTICAL CHEMISTRY
WORKSHOP 2021

“Hands on Workshop on In-silico Drug Design Using Biovia Discovery Studio”

Date: May 10th 2021- May 13th 2021

Venue: Amrita School of Pharmacy,
Kochi



Organized by

Department of Pharmaceutical Chemistry
& Analysis,
Amrita School of Pharmacy,
Amrita Vishwa Vidyapeetham,
AIMS Health Science Campus,
Kochi-682041, Kerala, India.
Contact No: 0484-2857903,7990

Email: pharmapricipal@aims.amrita.edu
Website : www.amrita.edu

Scope of the Seminar

Today's bio-pharmaceutical industry is marked by complexity due to growing market demands for improved specificity and safety, novel treatment classes and more intricate mechanisms of diseases. Keeping up with this complexity requires a deeper understanding of molecular recognition between drug molecules and receptors.

Modeling and simulation methods provide a valuable tool to explore biological and physicochemical processes down to the atomic level. This can guide physical experimentation, accelerating the discovery, design and development process.

BIOVIA Discovery Studio brings together over 30 years of peer-reviewed research and world-class in-silico techniques such as molecular mechanics, free energy calculations, biotherapeutics development and more into a common environment. It provides researchers with a complete tool-set to explore the nuances of protein chemistry and catalytic discovery of small and large molecule therapeutics from Target ID to Lead Optimization.

Objectives of the Seminar

Scientific learners

- To broaden one's depth of knowledge in an appropriate field of computational chemistry, especially an emerging area of research activity that may be relevant to one's research program
- To gain insight into design and development of novel bioactive molecules for the treatment of diseases
- To relate to a broader scientific community and promoting intellectual exchange between delegates and speakers
- To understand in silico approaches for various disorders
- To gain practical skills on computational approaches

Industrial training students

- To conceptualize Bioinformatics and Cheminformatics techniques
- To sharpen sensitive skills on handling of different molecules and used in the in silico design

About Amrita School of Pharmacy

The school, an integral component of Amrita Vishwa Vidyapeetham University, is the first to start functioning among the schools under Health Sciences campus

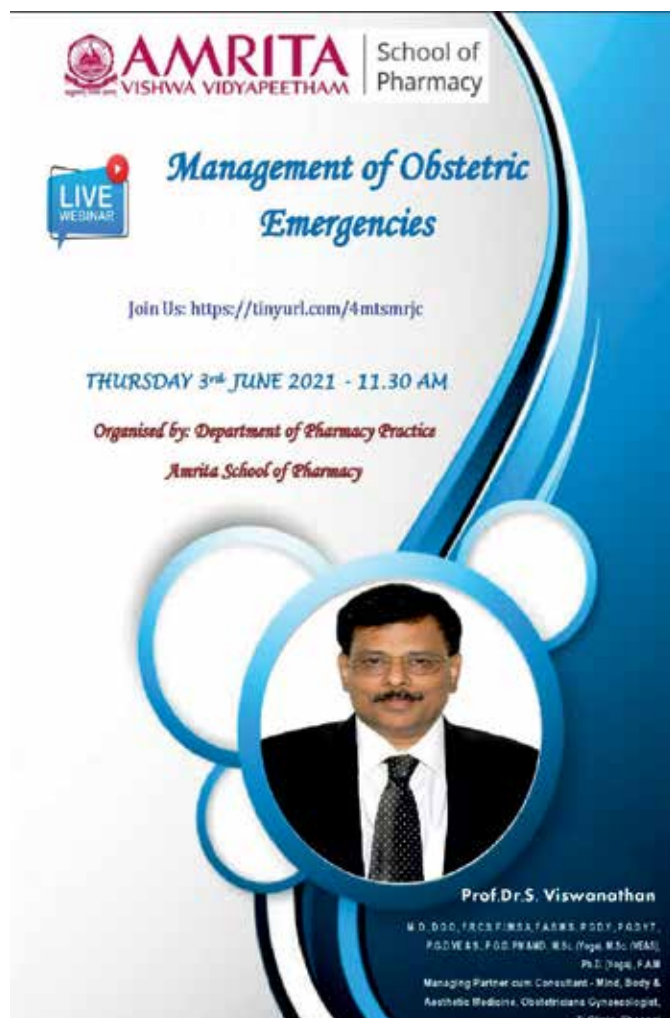


- “Hands on Workshop on In-silico Drug Design using Biovia Discovery Studio”
- A “Hands on Workshop on In-silico Drug Design using Biovia Discovery Studio” was organized from 23rd to 26th July 2021 with Dr. Dhivya S, Senior Application Scientist, Altam Technologies as the resource person. The objective of this workshop was to educate next-generation scientists about rational drug design, discovery and development of drugs. Hands on training was provided individually for each step and the students were made to perform the work on their own project topics.

Highlights

- Day 1: Introduction to drug discovery and the various types of drug designing, Opening a protein data using RCSB PDB as well as preparation of protein and ligands for docking, Confirmation of criterias like Lipinski rule of five
- Day 2: Molecular Dynamics approach with 3DQSAR analysis

Department of Pharmacy Practice



Webinar on "Management of Obstetric emergencies"

- **Dr S. Viswanathan**, Managing Partner cum Consultant, Zi Clinic, Chennai addressed the students and faculty of ASP about the topic "Management of Obstetric emergencies" on 3rd June 2021.
- Covered the types of Obstetrics emergencies, their complication, how to manage obstetric emergencies and what to look out in future.

Webinar Series by the alumni working as Clinical Pharmacist in AIMS, Kochi

- Objective: To give an idea about the roles and responsibilities of Clinical Pharmacist in various clinical departments.
- Oncology Session on 11th May 2021 by Dr. Hridya Jayamohananon, Clinical Pharmacist, Medical Oncology.

Highlights

- Briefed about the daily activities of clinical pharmacist in Oncology and about the chemo-order sheet, which include pre-meds, meds and home medications.
- GI Surgery session on 13th May 2021 by Dr. Abhijith Muraleedharan, Clinical Pharmacist, GI Surgery.

Highlights

- Mentioned about the importance of immune suppressants in post-transplant patients and TDM monitoring
- Hematology session on 27th May 2021 by Dr. Shyamaprasad.

Highlights

Highlighted the importance of medication reconciliation and medication history before initiating the therapy

Department of Pharmacology

Webinar series

Dr. K. Sadasivan Pillai, Vice Chairman, Scientific Advisory Board, IIBAT-Tamil Nadu gave talks on "Dose response relationship and LD50" and "Preclinical safety evaluation of drugs" on 8th and 9th June 2021, respectively.

Highlight

Discussed on preclinical safety evaluation of drugs, toxicology, toxicokinetics, dose response relationships and the significance of lethal doses.

Mr. Bibin Balan, Certified Medical Coding Instructor-USA, President, Kerala APPC gave a talk on "Medical coding and its workforce opportunities" on 9th June 2021.

Highlight

Discussed on how medical coding is done, how to become a qualified medical coder and the opportunities available

AMRITA VISHWA VIDYAPEETHAM | School of Pharmacy

You're Invited to Join

LIVE WEBINAR

DOSE RESPONSE RELATIONSHIP AND LD₅₀ PRECLINICAL SAFETY EVALUATION OF DRUGS

MR. K. SADASIVAN PILLAI
Vice Chairman
Scientific Advisory Board
IIBAT- Tamil Nadu

MR. BIBIN BALAN
Certified Medical Coding
Instructor- USA
President, Kerala APPC

Thursday
8th July 2021
Friday
9th July 2021

3.00 pm
4.00 pm

Join us

Friday
9th July 2021

2.30 pm

Join us

Department of Pharmacology

Virtual Alumni Meet - Amrita Smriti

The alumni meet, Amrita Smriti 2021 of Amrita School of Pharmacy, was held virtually on 14th August 2021 via Microsoft Teams platform

Highlights

- Alumni shared their memorable college and hostel life experiences
- Various interesting games were conducted as a part of the meet

AMRITA VISHWA VIDYAPEETHAM | School of Pharmacy

VIRTUAL ALUMNI MEET

2021

DATE :
14th AUG 2021

Time :
2.00 - 4.00 pm

REUNION MEET & GREET

We Welcome All Our Alumni

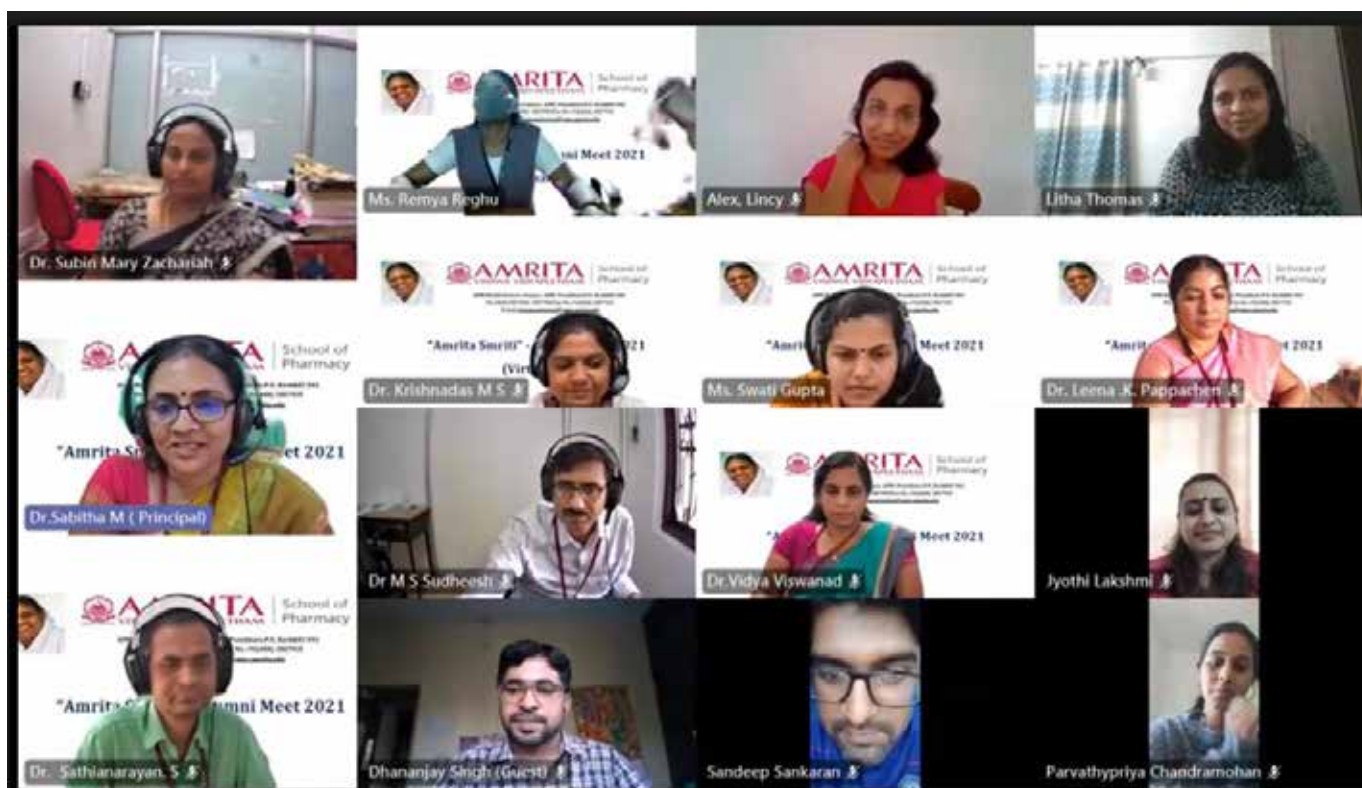
To reunite and cherish all the joys & wonderful moments spent together

Register at : <https://forms.gle/11YRX1UXJsaQna6y6>

Alumni Meet Link : <https://tinyurl.com/dzvsz8k5>

For more details, contact, 919847881842, 917907541556

Follow us on
www.facebook.com/amritapharmaschool
twitter.com/AMRITAedu
instagram.com/amritapharmacy



Virtual Pharma Arts Fest - Dhvani

Dhwani Virtual Pharma Arts Fest was conducted by the Arts Committee from November to December 2021. The conducting batch Samudra (2019 batch) along with other participating teams, Prithvi, Anthareeksha, Aagneya and Rudra actively competed virtually in 12 events including both onstage and offstage. On the final day, 4th December 2021, all the students joined through MS Teams to attend the virtual arts fest.

Highlights

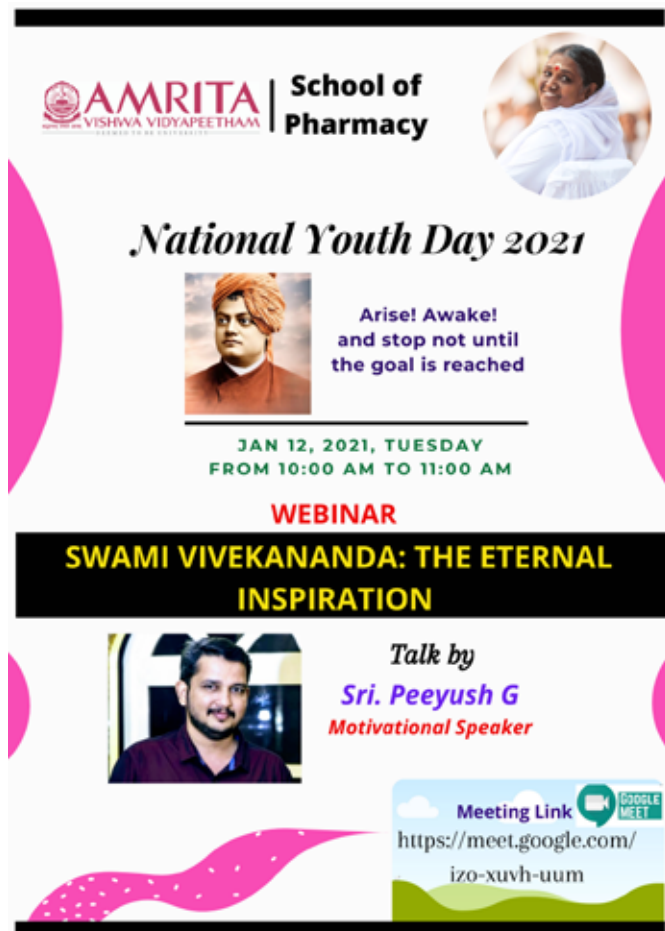
- The prize winner's videos were presented and were concluded with award ceremony.
- The overall champion of Dhvani 2021 was Prithvi followed by Samudra, Anthareeksha, Aagneya and Rudra.



Cultural Events

National Youth Day

As a part of National Youth Day, birthday of Swami Vivekananda, Amrita School of Pharmacy conducted a webinar on 12th January 2021. The session was handled by Sri Peeyush G who delivered a talk on the topic 'Swami Vivekananda: An Eternal Inspiration' and enlightened the students on how Swami Vivekananda's life was a perfect example of inspiration and motivation



AMRITA VISHVA VIDYAPEETHAM School of Pharmacy

National Youth Day 2021

Arise! Awake!
and stop not until
the goal is reached

JAN 12, 2021, TUESDAY
FROM 10:00 AM TO 11:00 AM

WEBINAR

SWAMI VIVEKANANDA: THE ETERNAL INSPIRATION

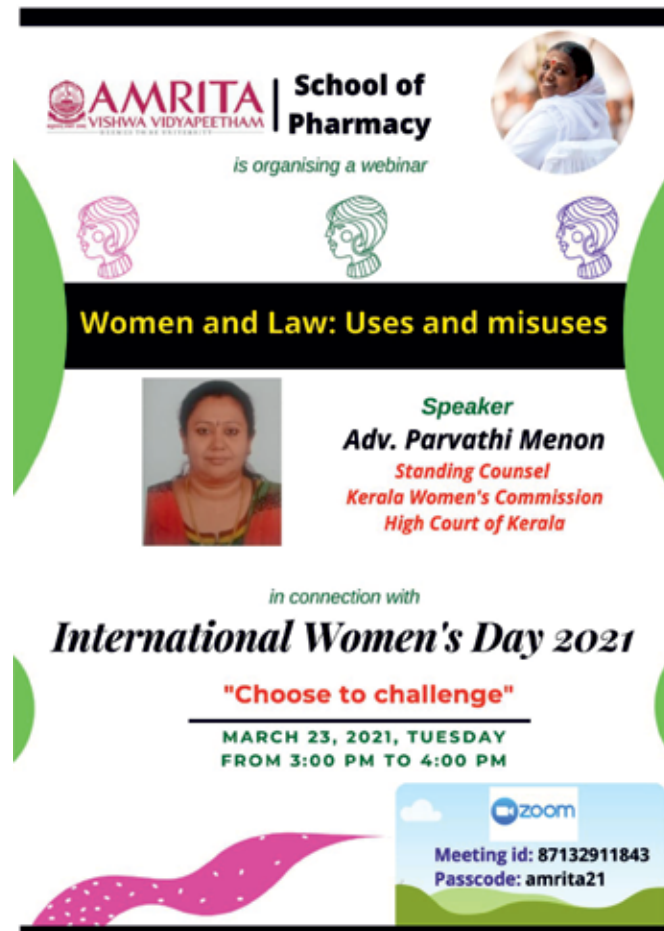
Talk by
Sri. Peeyush G
Motivational Speaker

Meeting Link
<https://meet.google.com/izo-xuvh-uum>

International Women's Day

As part of International Women's Day, Amrita School of Pharmacy conducted a webinar on the topic "Women and law – uses and misuses" on 23rd March 2021. The speaker was Adv. Parvathi Menon, Standing Counsel, Kerala Women's Commission, High Court of Kerala.

- Briefed about various laws and regulations regarding women safety and empowerment



AMRITA VISHVA VIDYAPEETHAM School of Pharmacy

is organising a webinar

Women and Law: Uses and misuses

Speaker
Adv. Parvathi Menon
Standing Counsel
Kerala Women's Commission
High Court of Kerala

in connection with
International Women's Day 2021

"Choose to challenge"

MARCH 23, 2021, TUESDAY
FROM 3:00 PM TO 4:00 PM

Meeting id: 87132911843
Passcode: amrita21



AMRITA VISHVA VIDYAPEETHAM School of Pharmacy

Amritavarsham 68

Live Webinar

Decolonising the Self and Indian Mahatmas

Sri. Sooraj Rajendran
Faculty Associate
Amrita Darshanam
(International Centre for Spiritual Studies) Amritapuri campus

23 SEP 2021 | 10:30 AM - 11:30 AM
Join on Microsoft Teams: <https://tinyurl.com/2mrdx3b9>

Be like the honeybee who gathers only nectar
wherever it goes. Seek the goodness that is
found in everyone
- Amma

Amritavarsham 68

As part of Amritavarsham 68, our beloved Amma's auspicious birthday, Sri. Sooraj Rajendran delivered a talk on the topic "Decolonising the Self and Indian Mahatmas" on 23rd September 2021.

Navaratri Celebration

As part of Navaratri Celebration, Amrita School of Pharmacy organized enlightening talks from esteemed personalities and melodious bhajans from 11th to 13th October 2021 in hybrid mode.



AMRITA VISHWA VIDYAPEETHAM
SCHOOL OF PHARMACY

Navaratri Celebration 2021
DAY 1: 11-10-2021 (Monday) 11.30 am - 12.30 pm

Prayer : Dr. Sabitha M Principal, ASP
Inaugural Address : Sampoojya Swami Poornamritananda Puri
Navaratri Message : Ma. Revathy Sreekumar
Student perspective on Navaratri Pooja : (B Pharm 2018 batch)
Bhajans : B Pharm Students

DAY 2: 12-10-2021 (Tuesday) 11.30 am - 12.30 pm

Prayer : A short talk on significance of Navaratri
Sri. K. Harikaran
Faculty, Cultural Education
Student perspective on Navaratri Pooja : Ma. Swathy Santhan
(Pharm D 2016 batch)
Bhajans : Pharm D Students

Program Link: <https://tinyurl.com/566fznjj>



Navaratri Celebration 2021
DAY 3: 13-10-2021 (Wednesday) 11.00 am - 12.30 pm

WEBINAR

Symbolism of the divine mother
Swami Atmananda Puri, Amritapuri

Program Link: <https://tinyurl.com/48njwdu3>



AMRITA VISHWA VIDYAPEETHAM
SCHOOL OF PHARMACY

Gita Jayanti 2021
Celebrations

13 DEC 11 AM

Wisdom at work: Gita's teachings on how to work wisely

Br. Achyutamrita Chaitanya Ph. D
Associate Professor, Amrita Darshanam

Join on Microsoft Teams: <https://tinyurl.com/vot5a6h>

Organized by Cultural Committee, ASP

Gita Jayanti

As part of Gita Jayanti, Amrita School of Pharmacy conducted a webinar on the theme “Wisdom at work: Gita’s teachings on how to work wisely” via virtual mode on 13th December 2021. The speaker was Br. Achutamrita Chaitanya, Associate Professor, Amrita Darshanam, International Centre for Spiritual Studies, Amrita Vishwa Vidyapeetham, Amritapuri.

Meet the Legend Program

Amrita School of Pharmacy organized a “Meet the legend” program on 18th February 2021. The honourable guest was Dr. Sanjeev Vasudevan, Amrita Kripa Charitable hospital, who is a great humanitarian working to uplift the tribal community.

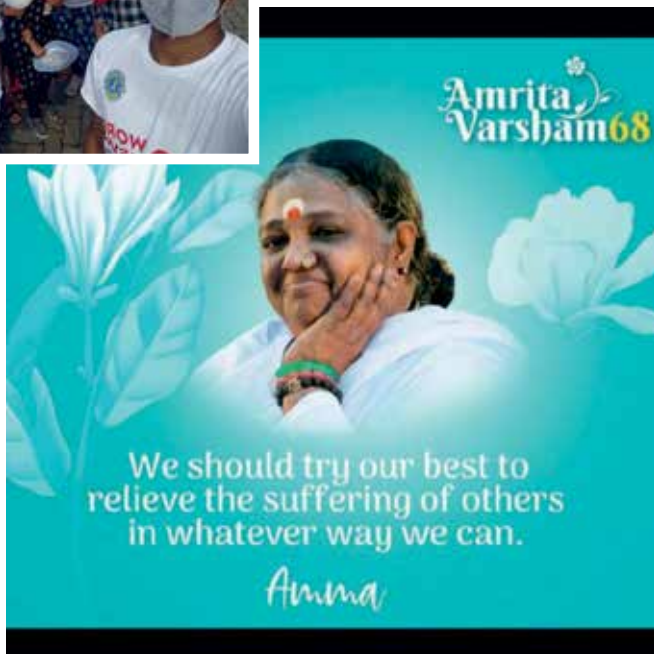
Motivational Talks

Mr. Vijay Menon, an expert in Human Resource Development, a corporate trainer and a Social worker gave motivational talk to the students of 1st year B.Pharm, Pharm.D, M.Pharm and Ph.D on 2nd February 2021 and 25th March 2021.

Swami Mahamedhananda of Sri Ramakrishna Math gave a deep insight on the topic “Spirituality in daily life” to the students and faculty on 19th April 2021.

Swami Atmananda Puri from Amritapuri delivered an online talk on ‘Success In Life’ for the students and faculty members on 28th April 2021.

Sri. Peeyush G delivered an online talk on ‘Do not fall but rise in love’ on 6th November 2021.



CHIEF EDITOR

EDITORIAL BOARD



Dr. Sabitha M, Principal



Ms. Remya Reghu



Dr. Athira K V



Dr. M S Sudheesh



Dr. Manish Kumar Jeengar

For comments & suggestions:

Amrita School of Pharmacy

Amrita Vishwa Vidyapeetham, AIMS Ponekkara, Kochi- 682 041, Kerala, India

Phone: 0484-2857900/03/04, 0484-2802020 (Fax)

E-mail: pharmaprincipal@aims.amrita.edu, pharmacollege@aims.amrita.edu

Website: <https://www.amrita.edu/school/pharmacy>

Published by

Amrita School of Pharmacy,
Amrita Vishwa Vidyapeetham,
Kochi- 682 041, Kerala, India

www.facebook.com/amritapharmaschool twitter.com/AMRITAedu [instagram.com/amritapharmacy](https://www.instagram.com/amritapharmacy)