

**Sri Padmavati Mahila Visvavidyalayam (Women's University)**

**Institute of Pharmaceutical Technology (IPT)**

**Ek Bharat Shreshtha Bharat**

**Date: 23-05-2020**

**Time: 09.00AM-1.30PM**

**Faculty Co-Ordinator: Prof. A. Sreedevi and Prof. Y. Indira Muzib**

**Student Co-Ordinator: Ms.P.Lahari**

**Activity: An International Webinar on COVID-19 Management – Challenges For Pharmacy Professionals**

**No of faculty attended: 15**

**No of students attended: 97**

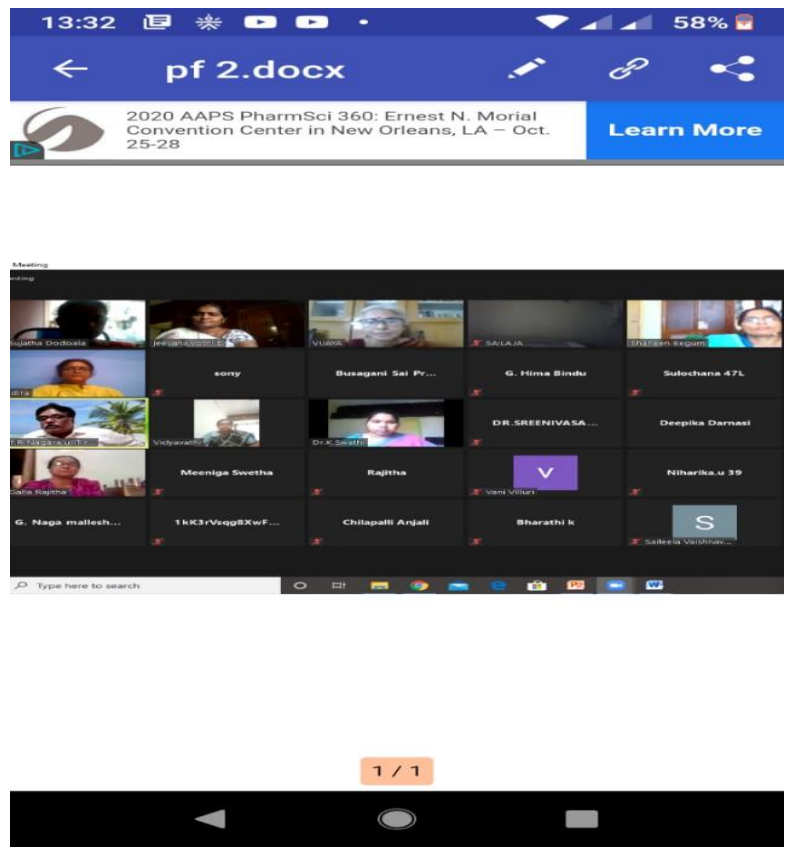
**Report:**

Webinar was started with Welcome address by Prof.Indira Muzib, Head I/C, IPT, SPMVV and inaugurated by Prof.D.M.MAMATHA, Registrar, Sri Padmavati Mahila Visvavidyalayam which was followed by introductory remarks by Prof. A. Jyothi, Dean School of sciences, Sri Padmavati Mahila Visvavidyalayam. Later the session was handed over to Guest speakers Prof. Samba Reddy, Dr. Siddappa Byrareddy, Dr.N.Ramadevi and Prof. J. Vijaya ratna.

The first session was by Prof. Samba Reddy, Texas A&M University College of Medicine, USA. He spoke on "The Science and Treatment of COVID-19: A scientific conversation and Q&A Session". Prof. Samba Reddy said that in the absence of vaccine for the COVID-19 virus, maintaining physical distance, personal hygiene and enhancing the immunity levels are the only ways to contain the disease. In the second session Dr. Siddappa Byrareddy, Durham Research Center, Nebraska Medical Center, Omaha, NE, USA spoke on Immunopathogenesis of SARS-CoV-2 and future directions. He listed various COVID-19 tests, their sensitivity, specificity and status of use in different regions of the world. In the third session by Dr.N.Ramadevi, Dean, Faculty of veterinary and animal sciences, Banaras Hindu University, Varanasi Zoonosis and reverse Zoonosis of COVID 19" was explained. She

clearly explained how animals can act as drivers of emergence for various viruses with special interest to COVID 19. The fourth session was lead by Prof. J. Vijaya ratna, University college of pharmaceutical sciences, Andhra University, Visakhapatnam. She elucidated on “COVID-19-Pharma field repositioning and showcasing its capabilities”. She said it would have been thrilling, if the Pharma D internees in various hospitals assisted the health care team in treating COVID-19 patients. She also stated that if the pharmacy team stands up and says we are here count on us, we will prevent drug interactions and medication errors it would have been great. Along with the Faculty and students of IPT, 130 members including principals and students invited from other pharmacy colleges also participated in the webinar.

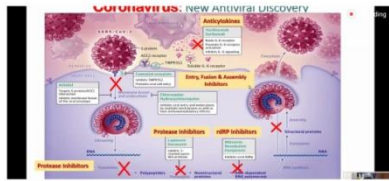
**Photos:**



Participants (16)

Search

- Nithya Somanjeri (host)
- Sri Padmavati Mahila Viswavidyalayam Tirupati (host)
- Prof Samba Reddy (co-host)
- jeevanajothi b (co-host)
- Registrar SPMVV (co-host)



**What would have been thrilling is:**

- if the Pharm D interns in various hospitals assisted the healthcare team in treating covid-19 patients.
- if the pharmacy team stands up and says- we are here, stand on us, we will prevent drug interactions, we will prevent medication errors.



### Immunopathogenesis of COVID-19 and Future Directions

2020 Antiviral Pharmacy PhD  
Assistant Professor  
Department of Pharmaceutics & Experimental Pharmacology  
National Institute of Pharmaceutical Education and Research  
University of Hyderabad, Hyderabad, India



### Coronavirus: Antivirals

There is no "approved" anti-viral drug for COVID-19

Searching for: (i) antivirals, (ii) immunity boosters

- Inhibitors of viral entry, fusion and assembly**
  - Chloroquine & Hydroxychloroquine (from India) - clinical trials
  - Arbidol (Russia) - clinical trials
- Inhibitors of viral RNA-dependent RNA polymerase**
  - Remdesivir (from Gilead, US) - clinical trials
  - Elbasvir, Favipiravir (Japan) - clinical trials
- Inhibitors of TMPRSS2 receptor viral entry**
  - Camostat
- Inhibitors of protease**
  - Lopinavir, Ritonavir



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