

DARPANAM 2020-2021

COLLEGE MAGAZINE

SPSP



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FROM THE CHAIRPERSONS DESK....



Our vision is based on hard work, open communication, a strong emphasis on team work and a high level of responsibility. This visionary culture allows and emphasizes our wards not only to adopt the present day challenges but also individual responsibilities to the society and our nation at large.

Learning should be based on doing things and not merely knowing things. Until and unless learning solutions relate to real life and motivate the learner to acquire and apply the knowledge, the whole process will remain superficial. Our institution has set specific objectives and planned activities for achieving excellence in all spheres of technical education.

The service of the institution in creating personally mature, professionally equipped and service-oriented health care graduates is really worth mentioning. We strongly believe in academic excellence and do not compromise on teaching standards or discipline.

People who feel good about themselves produce good results and people who produce good results feel good about themselves. We also believe in total learning and sharing.

As the saying goes “Team Work makes the dream work”. At SPSP, we have committed team and the team is continuously responsible in achieving the vision and mission of the institution and is being personally guided by me.

I take this opportunity to express that every effort is made to improve the existing best services to bring out the best for the welfare of our institution and the growth of our students.

With best wishes

Yours

Smt. P. Sulochana

FROM THE DIRECTORS DESK



"We cannot always build the future for our youth, but we can build our youth for the future."

I am quite pleased to learn about the forthcoming issue of the college magazine, 2020-2021.

Beyond providing a sound education, we wish to provide our students a holistic learning experience for life. Our aim is to teach students to LEARN, not just STUDY. Hence, we strive to travel beyond the boundaries of mere books. We have realized that the future is abstract and unknown but the youth in our hands are real and can be moulded.

Dear students, "You are the nation-builders. You are the movers of technology. You are the agents of change." It is our STRONG BELIEF that the years that you spend in SPSP would enable you to equip with leadership and managerial skills. The knowledge that you will gain, the fine qualities that you will imbibe and the technical skills that you will learn to apply will be your major contribution to your parents, to society, and to the nation.

We invest our trust on you. You are our safe source and we bank all our efforts on you. We create not the future instead we craft you for the future. There are strong challenges to great efforts but, always remember, great effort bears the sweet fruit of success. We want you to taste the fruit of success once and for the rest of your life, you will never rest.

"You don't have to be great to start, but you have to start to be great."
Best wishes.

Yours

Mr. P. Praneeth

FROM THE PRINCIPALS DESK...



The Prestigious, SRI PADMAVATHI SCHOOL OF PHARMACY, since its inception in 1997 has made remarkable progress by following the mantra of student centric approach, whether it is in academics or in extra co-curricular activities.

The institute possesses a state of art infrastructure with equipped laboratories, well stocked library and highly qualified faculty. We at, SPSP introduce our students to the Outcome Based Education and trained with skills in various disciplines.

In addition to developing excellent scientific and clinical based skills, the students are motivated not only to dream big but also encouraged to think unconventionally to face the challenges of the future and provide platform for Entrepreneurship.

It has been our constant endeavor to instill in our students ethical values hereby making them socially responsible citizens.

The institution has stood for quality and excellence and still thriving to be the best in the years to come.

As **Zoey Sayward** says “Don’t wait for the perfect moment. Take the moment and make it perfect!”. We prepare our students to make the best out of the opportunity.

Keeping our vision and mission of the institution, we believe in **Imagine-Invent-Inspire.....** In the making of dynamic individuals in the society.

Sports and other co-curricular activities are encouraged and the students are given every form of support to develop their talents in all fields. Our brand of education does not have narrow horizons, we believe in exposure. Our students are encouraged to widen their knowledge base and study beyond the confines of the syllabus.

With best wishes

Yours

Dr. D. Ranganayakulu

Editor's message....



A thought that has been enduring in mind when it becomes real; is truly an interesting and exciting experience. This news letter was one such cherished work that had its roots in the persuasion.

“Good leaders create a vision, articulate a vision and passionately owns a vision and turn it into a reality” - Jack Welch.

I being the chief editor, make a promise to the college that through my determination, perseverance and hard work, would undertake any task entrusted to me by the college authorities and fulfill it in the best possible way.

Coming to the collage magazine, I expect full cooperation from my fellow students and peers. New ideas, new sections in the issue of 2021 are always welcome by the Editorial Board. The editorial board is looking forward to make this magazine a vehicle for students to express their innermost thoughts.

Hebert Spencer said-

“The great aim of education is not knowledge, but action.”

I would like to thank all my editorial team members for helping me pull this through. I These contributions have required a generous amount of time and effort. It is this willingness to share knowledge, concerns and special insights with fellow beings that has made this magazine possible.

Thank you all!!

Vision

Promote holistic learning, nurture ethically strong and highly competent pharmacy graduates to serve the global healthcare system.

Mission

- M1:** To provide innovative and contemporary educational experiences of the highest quality.
- M2:** To instill ethics, sense of professionalism, communication and leadership skills.
- M3:** To promote and nurture the research and scholarly activities.
- M4:** To foster entrepreneurship and life-long learning.

Program Educational Objectives (PEOs)

- PEO1:** To produce competent pharmacy graduates with adequate knowledge and technical skills in the core and allied areas of pharmaceutical sciences & technology and to serve the needs of the health care system.
- PEO2:** To promote research and scholarly activities to identify, assess, formulate problem and execute solutions for the betterment or advancement of pharmaceutical sciences.
- PEO3:** To develop communication skills, leadership qualities, team building skills and instill the sense of professional ethics and social responsibilities in graduates.
- PEO4:** To prepare the graduates for life-long learning through their effective participation in professional and societal activities, integrate their knowledge and skills with contemporary needs of the society and for their highly productive career.



Pharmacist's Oath



- *I swear by the code of ethics of Pharmacy Council of India, in relation to the community and shall act as an integral part of health care team.*
- *I shall uphold the laws and standards governing my profession.*
- *I shall strive to perfect and enlarge my knowledge to contribute to the advancement of pharmacy and public health.*
- *I shall follow the system which I consider best for Pharmaceutical care and counseling of patients.*
- *I shall endeavor to discover and manufacture drugs of quality to alleviate sufferings of humanity.*
- *I shall hold in confidence the knowledge gained about the patients in connection with my professional practice and never divulge unless compelled to do so by the law.*
- *I shall associate with organizations having their objectives for betterment of the profession of Pharmacy and make contribution to carry out the work of those organizations.*
- *While I continue to keep this oath unviolated, may it be granted to me to enjoy life and the practice of pharmacy respected by all, at all times !*
- *Should I trespass and violate this oath, may the reverse be my lot !*

Ph.D Awardees 2020-2021



DR.B.Kishore

Awarded doctor of philosophy in the faculty of pharmaceutical sciences for the thesis entitled “design and delivery of nanoencapsulated biocompounds in the urolithiasis treatment” from JNTUA



Dr.P.Keerthi Sikha

Awarded doctor of philosophy in the faculty of pharmaceutical sciences for the thesis entitled “Development and validation of chemometric assisted analytical methods for multi-component formulations” from SPMVV



SRI PADMAVATHI SCHOOL OF PHARMACY

Approved by AICTE, JNTUA, PCI

Mohan Garden, Vaishnavi Nagar, Tiruchanoor, Tirupati

APPGE CET - 2021 RANK HOLDERS



Rank 27

N. VENKATA SIVA YAMINI
H. No. 17421R0063



Rank 48

DASARIAHGARI SRAVANTHI
H. No. 17421R0020



Rank 48

CHITTAMREDDY ANUSHA
H. No. 17421R0019



Rank 60

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H. No. 17421R0040



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GUTTHA HEMALATHA
H. No. 17421R0032



Rank 135

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Rank 226

MATTUKARA PARANDHAMAN SONA
H. No. 17421R0095



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H. No. 17421R0023



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CHINNA CHENGANNA SARI NEELIMA
H. No. 17421R0016



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K HARSHAVARDHINI REDDAMMA
H. No. 17421R0037



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P NANDINI
H. No. 17421R0066



Rank 756

M SREELATHA
H. No. 17421R0046



Rank 981

SHAIK SARIYA
H. No. 17421R0081



Rank 1103

K ANIL
H. No. 17421R0038



Rank 1491

V M BALAKRISHNA
H. No. 17421R0096



Rank 1491

AMARAVATHI YASASWINI
H. No. 18425R0001



Rank 1610

B VAMSI KRISHNA
H. No. 17421R0011



Rank 1829

UGGAMUDI SARATHI
H. No. 17421R0092



Rank 2238

THENEBANDLA PARVATHI
H. No. 17421R0089



Rank 2248

RAVOORI GNANENDRA
H. No. 18425R0005

Scientific session

Webinar – 1 Biopharmaceutical and therapeutic considerations in dosage form design.

Live Free Webinar on
Biopharmaceutical and therapeutic considerations in dosage form design

Honorable Speaker
Prof.K.V.Ramanamurthy
Professor & Principal
Andhra University-College of
Pharmaceutical Sciences, Vizag-AP

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Prof. D. Rangayakulu Professor & Principal SPSP	Dr. C. Sridhar HOD, Dept. of Pharma. Chemistry SPSP
Coordinator	Dr. V. Shanmugam Assoc. Professor Dept. of Pharmaceutics - SPSP

September 26th 2020 ; 11 am – 12 noon

Registration link: <https://forms.gle/oJAIfkYBDGmAzkrCB>

Certificates to all the registered participants after submission of feedback forms

B.Pharm, M.Pharm & Pharm.D students, Research Scholars, Faculty members, Industrial persons

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Sri Padmavathi School of Pharmacy

Click to Join

Webinar -2 : Indo – African International Webinar series (Part – I)

INDO-AFRICAN INTERNATIONAL WEBINAR SERIES 1 (IAIWS-1)

Organized by
Dept. of Pharmaceutical Analysis
Sri Padmavathi School of Pharmacy, Tiruchanoor, Andhra Pradesh.

Free Live Webinar - IAIWS-1 - Part 1

Vaccine Development: The role of Pharmaceutical Analysis and Quality Assurance

September 29th 2020
2 pm IST

Mr Nurahmed Seid Getaw
BPharm, MSc
Lecturer in Pharmaceutical Analysis & QA
Department of Pharmaceutical Chemistry
University of Gondar, Gondar, North west Ethiopia.

Click to Join live on

Webinar -3: Indo – African International Webinar series (Part – II)

IAIWS-1 - Part 2

Vaccines: The role of Microbiology and Biotechnology in vaccine development

Dr. Mohammed Raffi Mokula
MSc, PhD
Associate Professor of Microbiology,
College of Agriculture and Environmental Science,
University of Gondar, P.O. Box 196, Gondar,
Ethiopia

September 30th 2020 ;
11 am IST

Click to Join live on

Dr. A.S.Charan
Dr. C. SRIDHAR
SPSP-PHARM.ANALYSIS
H.NEELOFAR
Dr. Mohammed Raffi Mokula
Dr K.K.RAJASEKHAR

Can International Webinar Series-1-Part-2.....Organized by Dept. of Pharmaceutical Analysis

Webinar -4: Indo – African International Webinar series (Part – III)

IAIWS-1 - Part 3

Challenges and opportunities for drug discovery in developing countries: The example of cutaneous Leishmaniasis

Dr Abdrrahman Shemsu Surur
BPharm, MSc, PhD

Post-Doctoral Research Associate,
CDT-Africa,
Addis Ababa University, Ethiopia

October 7th 2020 ;
2 pm IST

Click to Join live on

Webinar -5: Innovative Data Analytic Tools for Pharma Research.

Live Webinar on Innovative Data Analytic Tools for Pharma Research

Honorable Speaker
Dr. Mandar Bodes
Solution Consultant,
Research Solutions-Life Sciences
Elsevier

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SPSP-Tirupati
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Dept. of Pharma Analysis, SPSP-Tirupati
Coordinator
Dr. Sreenivasa Charan, A. Asst. Prof.
Dept. of Pharma Analysis, SPSP-Tirupati

8TH OCTOBER 2020 **11.30 AM IST**

Registration link : <https://forms.gle/ss5Ug9z6mCHbAAJu8>

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Tiruchanoor, AP, India-517503.

as a part of "Decennial Celebrations-2020"....., SPSP, Tiruchanoor

Webinar – 6 Pharmaceutical Regulatory Affairs – I win and we WIN (We Ignore Nothing / No one).

Global Webinar on
"Pharmaceutical Regulatory Affairs – I win, you win and we WIN (We Ignore Nothing / No one)"

October 10th 2020 ; 5.00 pm – 6.00 pm

Registration link: <https://forms.gle/B7TbKqNz0k7NSL7>

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Assoc. Professor
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Coordinator
Mr. R.R. Srinivas Murthy
Asst. Professor
Dept. of Pharmaceutics - SPSP

International Speaker
Mr. Srinivas Gurram
M.Pharm
Vice President &
Head of Regulatory Affairs &
Quality Assurance - North America
Zydus Pharmaceuticals USA Inc.

Click to Join live on

Welcome to Global Webinar on Pharmaceutical Regulatory Affairs.....By Sri

Webinar – 7 Transforming Health Care – Partnering with Pharmacist.

Global Webinar on
"Transforming health care- Partnering with Pharmacist"

October 14th 2020 ; 11.00 am – 12.00 pm

Registration link:

Certificates to all the registered participants after submission of feedback forms

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SPSP

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Mr. T.S. Durga Prasad
HOD
Dept. of Pharmacy Practice-SPSP

Coordinator
Smt. P. Lakshmi
Assoc. Professor
Dept. of Pharmacy Practice-SPSP

International Speaker



Dr. S. Sriram
Professor and Head
Department of Pharmacy Practice
Sri Ramakrishna Institute of
Paramedical Sciences
Coimbatore

Click to Join live on

National Webinar on
"Transforming Health care- Partnering with Pharmacist"



Honorable Speaker

Organized by
Department of Pharmacy Practice
Sri Padmavathi School of Pharmacy
Tiruchanoor, Andhra Pradesh.

Welcome to all.....The live webinar starts at 11AM IST.....

Webinar – 8 Clinical Trials & Regulatory Affairs – Paradigm Shift and Prospects.

Live Free Webinar on
Clinical Trials & Regulatory Affairs - Paradigm Shift and Prospects

Mar 13th, 2021; 11 am - 12.30 pm


<https://forms.gle/TUCC26rsus2CdD719>

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Speaker



SHRAWAN BATTULA
M.Pharm, Executive MBA (MBA Bangalore)
Manager - Regulatory Affairs & Access Department
Parsippany, Bangalore

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Assistant Professor
Dept. of Pharmacy Practice-SPSP



National Webinar on "Clinical Trials & Regulatory Affairs-Paradigm Shift and Prospects"

Webinar – 9 Fundamental steps in design and execution of animal studies.

Live Free Webinar on
Fundamental steps in design and execution of animal studies – 11 AM to 12 PM
Art of writing scientific paper - 2 PM to 3 PM

Mar 30th, 2021; 11 am - 12.00 pm & 2:00 pm to 3:00 pm

<https://forms.gle/3PhPRU8FIATD7QRM9>

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Sri Padmavathi School of Pharmacy
Tiruchanoor, Tirupati, Andhra Pradesh.

Speaker



Mr. G.V. NARASIMHA KUMAR
Research Officer (Pharmacology) / Scientist A
Dr. Ayyal Chaitanya Regional Research Institute for Homeopathy

Speaker



Dr. GOPICHAND CHINTA
Senior Research Associate
Lala Lajpat Rai Medical College
Vijayawada

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Senior Professor
Dept. of Pharmacy Practice-SPSP



Design and execution of animal studies" -By-Mr.G.V.Narasimha Kumar, ACRRH.

Webinar – 10 Art of Writing a Scientific Paper.

Live Free Webinar on
Fundamental steps in design and execution of animal studies – 11 AM to 12 PM
Art of writing scientific paper - 2 PM to 3 PM

Mar 30th, 2021; 11 am - 12.00 pm & 2:00 pm to 3:00 pm

<https://forms.gle/3PhPRU8FiATD7QRM9>

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Sri Padmavathi School of Pharmacy
Tiruchanoor, Tirupati, Andhra Pradesh.

Speakers:
Mr. G.V. HARASIMHA KUMAR
Research Officer (Pharmacology) / Scientist-I,
Dr. Aspal Chatterjee Regional Research
Institute for Homeopathy

Dr. GOPICHAND CHINTA
Senior Research Associate
Lala Nutritional
Vijayawada

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MSc, BSc, Pharm, Veterinary
DPO

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Thank you all.....The feedback form will be sent to your registered mail.....Dr

Participant grid showing: Admin, Mrs. M. Hema Saha, Dr. Gopichand, Chenchuganti, Prof. Dr. D. RANGASWAMYULU, Ms. S. Shanmugapriya.

Webinar links

<https://www.youtube.com/watch?v=LXR6vAZjaAU> (25.9.20 National Pharmacist Day Celebration online-Live Talk by eminent personalities in pharma profession)

<https://www.youtube.com/watch?v=AmGR-ZSUnyo>

<https://youtu.be/0N3u6KbN3vQ>

https://www.youtube.com/watch?v=L_Fqs-TCmhc

<https://www.youtube.com/watch?v=i9Di3Q4x9FU>

<https://youtu.be/rUZ7rP1fXIc>

<https://youtu.be/Zzb37b-gQMo>

<https://youtu.be/g9wZ8AKetxU>

Extracurricular activities

INTERNATIONAL WOMENS DAY (2021) (March 8th)

International Women's day is a global day celebrating the social, economic, cultural and political achievements of women. The theme for this year's International Women's Day is "**Choose to Challenge**". Women are a valuable part of society, they are the key to preserve the human race and in today's world, the importance of women in society is beyond any suspicion. Every year women's day celebrations were conducted in our college. Eminent women personalities were invited on this occasion. The students will be participated in poster presentations on challenges of women. On this occasion our college Smt. P.Sulochana madam addresses the gathering on gender equality and equal participating women in all aspect. Our principal DR.D.Ranganayakulu sir presented prizes and certificates to all the participants. All the girl students in the college were participated in the celebrations. The winners were appreciated with prizes.



Programme on “Women health and hygiene”

The seminar on “**Women health and hygiene**” was organized in our college. The programme was inaugurated by our chairperson Smt. P.Sulochana, speaker by DR.G.Kalyani, women development committee head Dr.B.Pushpakumari and members of women development committee. The speaker enlightened the students about maintain menstrual hygiene and women health. She explained importance to intimate hygiene no matter what stage their lives are at or regardless of their age. ... Intimate hygiene products like washes help in balancing the vaginal pH level, preventing itchiness and bacterial **infection** in the vaginal area. It also helps in the growth of good bacteria lactobacillus. All girl students were attended the programme.



Yoga for Stress Management Activity

Yoga **encourages mental and physical relaxation**, which helps reduce stress and anxiety. The physical postures promote flexibility, relieve tension, and alleviate pain. Yoga poses may help you release physical blockages like muscle knots, helping release emotions and tension. We organize an workshop on stress management with yoga in our college.



FDA NEW DRUG APPROVALS 2020

Drug Name	Active Ingredient	Approval Date	FDA-approved use on approval date*
Gemtesa	Vibegron	12/23/2020	To treat overactive bladder
Ebanga	Ansuvimab-Zykl	12/21/2020	To treat Ebola
Orgovyx	Relugolix	12/18/2020	To treat advanced prostate cancer
Margenza	Margetuximab (Anti-HER2 Mab)	12/16/2020	To treat HER2+ breast cancer
Klisyri	Tirbanibulin	12/14/2020	To treat actinic Keratosis of the face or scalp
Orladeyo	Berotrastat	12/3/2020	To treat patients with hereditary angioedema
Gallium 68 PSMA-11	Gallium 68 PSMA-11	12/1/2020	For detection and localization of prostate cancer
Danyelza	Naxitamab-Gqgk	11/25/2020	To treat high-risk refractory or relapsed neuroblastoma
Imcivree	Setmelanotide	11/25/2020	To treat obesity and the control of hunger associated with pro-opiomelanocortin deficiency, a rare disorder that causes severe obesity that begins at an early age
Oxlumo	Lumasiran	11/23/2020	To treat hyperoxaluria type 1
Zokinvy	Lonafarnib	11/20/2020	To treat rare conditions related to premature aging
Veklury	Remdesivir	10/22/2020	To treat COVID-19
Inmaze	Atoltivimab, Maftivimab, And Odesivimab-Ebgn	10/14/2020	To treat Ebola virus
Gavreto	Pralsetinib	9/4/2020	To treat non-small lung cancer
Detectnet	Copper Cu 64 Dotatate Injection	9/3/2020	To help detect certain types of neuroendocrine tumors
Sogroya	Somapacitan-Beco	8/28/2020	Growth hormone
Winlevi	Clascoterone	8/26/2020	To treat acne
Enspryng	Satralizumab-Mwge	8/14/2020	To treat neuromyelitis optica spectrum disorder
Viltepso	Viltolarsen	8/12/2020	To treat Duchenne muscular dystrophy
Olinvyk	Oliceridine	8/7/2020	To manage acute pain in certain adults
Evrysdi	Risdiplam	8/7/2020	To treat spinal muscular atrophy
Lampit	Nifurtimox	8/6/2020	To treat Chagas disease in certain pediatric patients younger than age 18
Blenrep	Belantamab Mafodotin-Blmf	8/5/2020	To treat multiple myeloma
Monjuvi	Tafasitamab-Cxix	7/31/2020	To treat relapsed or refractory diffuse large B-cell lymphoma
Xeglyze	Abametapir	7/24/2020	To treat head lice
Inqovi	Decitabine And Cedazuridine	7/7/2020	To treat adult patients with myelodysplastic syndromes
Rukobia	Fostemsavir	7/2/2020	To treat HIV

Byfavo	Remimazolam	7/2/2020	For sedation
Dojolvi	Triheptanoin	6/30/2020	To treat molecularly long-chain fatty acid oxidation disorders
Zepzelca	Lurbinectedin	6/15/2020	To treat metastatic small cell lung cancer
Uplizna	Inebilizumab-Cdon	6/11/2020	To treat neuromyelitis optica spectrum disorder
Tauvid	Flortaucipir F18	5/28/2020	Diagnostic agent for patients with Alzheimer's disease
Artesunate	Artesunate	5/26/2020	To treat severe malaria
Cerianna	Fluoroestradiol F18	5/20/2020	Diagnostic imaging agent for certain patients with breast cancer
Qinlock	Ripretinib	5/15/2020	To treat advanced gastrointestinal-stromal tumors
Retevmo	Selpercatinib	5/8/2020	To treat lung and thyroid cancers
Tabrecta	Capmatinib	5/6/2020	To treat patients with non small cell lung cancer
Ongentys	Opicapone	4/24/2020	To treat patients with Parkinson's disease experiencing "off" episodes
Trodelvy	Sacituzumab Govitecan-Hziy	4/22/2020	To treat adult patients with metastatic triple-negative breast cancer who received at least two prior therapies for metastatic disease
Pemazyre	Pemigatinib	4/17/2020	To treat certain patients with cholangio carcinoma, a rare form of cancer that forms in bile ducts
Tukysa	Tucatinib	4/17/2020	To treat advanced unresectable or metastatic HER2-positive breast cancer
Koselugo	Selumetinib	4/10/2020	To treat neurofibromatosis type 1, a genetic disorder of the nervous system causing tumors to grow on nerves
Zeposia	Ozanimod	3/25/2020	To treat relapsing forms of multiple sclerosis
Isturisa	Osilodrostat	3/6/2020	To treat adults with Cushing's disease who either cannot undergo pituitary gland surgery or have undergone the surgery but still have the disease
Sarclisa	Isatuximab	3/2/2020	To treat multiple myeloma
Nurtec ODT	Rimegepant	2/27/2020	To treat migraine
Barhemsys	Amisulpride	2/26/2020	To help prevent nausea and vomiting after surgery
Vyepti	Eptinezumab-Jjmr	2/21/2020	For the preventive treatment of migraine in adults
Nexletol	Bempedoic Acid	2/21/2020	To treat adults with heterozygous familial hypercholesterolemia or established atherosclerotic cardiovascular disease who require additional lowering of LDL-C
Pizensy	Lactitol	2/12/2020	To treat chronic idiopathic constipation (CIC) in adults
Tazverik	Tazemetostat	1/23/2020	To treat epithelioid sarcoma
Tepezza	Teprotumumab-Trbw	1/21/2020	To treat Thyroid eye disease
Ayvakit	Avapritinib	1/9/2020	To treat adults with unresectable or metastatic gastrointestinal stromal tumor (GIST)

PUBLICATIONS

1. Kishore Bandarapalle, Prasanna Raju Yalavarthi, Chandra Sekhar Kothapalli Bannoth, Antiuro lithiatic activity of Berberis asiatica by In vitro calcium oxalate crystallization methods, October 2020, International Journal of Research in Pharmaceutical Sciences 11(4):6233-6237

ABSTRACT:

The primary objective of this research was to investigate the antiuro lithiatic effect of the aqueous Heartwood extract of Berberis asiatica (AEBA) on in vitro crystallization methods. The antiuro lithiatic behaviour was carried out in the presence and absence of AEBA at the concentration range of 100-1000 µg/ml by employing crystal nucleation, crystal aggregation, and crystal growth assay methods. Standard drug Cystone was made use of positive control in the concentration range of 100-1000 µg/ml. Inhibition efficiency of AEBA on crystal nucleation, crystal aggregation and crystal growth was spectrophotometrically validated. The percentage inhibition rate of crystal nucleation, crystal aggregation and crystal growth by AEBA and standard drug cystone was endorsed to be dose-dependent in nature. The half maximal inhibitory concentration (IC₅₀) values of standard drug cystone on crystal nucleation, crystal aggregation and crystal growth were estimated to be 415.30±21.35, 573.7±65.53 and 566.20±62.06 µg/ml, respectively, while the AEBA, IC₅₀ values were reckoned to be 839±69.13, 927.10±69.98 and 851±86.60 µg/ml, respectively. The findings of in vitro crystallization study disclosed that an aqueous Heartwood extract of Berberis asiatica possesses calcium oxalate crystal inhibition activity on crystal nucleation, crystal aggregation, and crystal growth recommended it as a potent and promising antiuro lithiatic activity.

2. K. K. Rajasekhar, A. P. Poojasree,* J. Bhavitha, B. Kishore and M Padmavathamma, Micelle Mediated –Cloud Point Extraction and Colorimetric Estimation of Sunset Yellow Pharmaceutical dosage forms, Chem. Sci. Eng. Res., 2021, 3(6), 14-20.

Abstract.

Abstract: Sunset Yellow (SY) is a widely used pharmaceutical excipient for coloring the dosage forms. SY was efficiently extracted from selected liquid dosage forms using Brij 98 as a non-ionic surfactant in Micelle Mediated Cloud Point Extraction (MM-CPE) method. Simple, accurate, and precise colorimetric methods like the calibration curve method and single point standardization method were developed and validated for the quantification of SY in liquid dosage forms. MM-CPE method was found to be highly efficient with good recovery rates for SY in samples and optimized for parameters like pH, the effect of salt, surfactant concentration, incubation time, and temperature. The colorimetric method showed good linearity from 3-18 µg/ml (R²=0.9995) for SY at absorption maxima of 482nm. The method was found to be precise (%RSD

3. Kishore Bandarapalle, Prasanna Raju Yalavarthi, Chandra Sekhar Kothapalli Bannoth, antiuro lithiatic activity of bioactive compounds of berberis asiatica loaded chitosan nanoparticles toward ethylene glycol activated urolithiasis in albino wister rats, JCR. 2020; 7(5): 2400-2409.

Abstract

The goal of this research is to explore the antiurolithiatic ability of bioactive compounds of *Berberis asiatica* loaded Chitosan nanoparticles (BACBANPs) toward ethylene glycol engendered renal calculi in albino Wister rat species. Calcium oxalate renal calculi were activated by ingestion of 0.75% (v/v) ethylene glycol and 1% (w/v) ammonium chloride in male Wister rats. Reference standard Cystone; bioactive compounds of *B. asiatica* (BACBA) and BACBANPs were provided at oral dose of 750 mg/kg, 400 mg/kg and 400 mg equivalent weight of BACBANPs/kg, respectively. The curative and prophylactic consequences of BACBANPs were estimated. Urinary variables include calcium, magnesium, uric acid, phosphate and oxalate; intensification of oxalate and calcium in the kidney; and serum uric acid, creatinine, calcium, and blood urea nitrogen were evaluated. Creatinine clearance has been computed. Specifications of In vivo antioxidant investigations include reduced glutathione, superoxide dismutase, lipid peroxidation, and catalase; and histopathological studies of the kidney were analyzed. After treated with cystone, BACBA, and BACBANPs, the serum, urine parameters, and in vivo antioxidant specifications were almost normalized in prophylactic and curative regimens compared to control groups. Loading of BACBA in Chitosan nanoparticles in which Chitosan serves as a ligand to megalin receptors on renal epithelial cells contributes to targeting and promotes the accumulation of BACBA than administered alone. It was concluded that the antiurolithiatic activity of BACBANPs was substantially escalated in comparison to BACBA and cystone.

4. Rajasekhar K. K., a Bhavitha J.,* a Ephrath Sharon B., a Kishore B., b Padmavathamma M.c, Adsorbent Activity of Activated Carbon Obtained from Dried Leaves of *Millettia pinnata*: A Colorimetric Approach, Chem. Sci. Eng. Res., 2021, 3(6), 21-24.

Abstract: Water decontamination using adsorbent materials has been studied extensively and reported in the literature. Readily available and less expensive material can be used to prepare efficient adsorbents. Dried leaves of *Millettia pinnata* are not only readily available but also rich in hydrocarbon content. This stimulated us to prepare activated carbon from *Millettia pinnata* and investigate its adsorbent activity using colorimetry. In this present study, the adsorption efficiency of methylene blue on commercial and test carbon using batch adsorption process is reported. Effect of adsorbent dose and contact time are analyzed and Langmuir's adsorption isotherms constructed. It is observed that as the concentration and contact time of adsorbent increases, there is a marked enhancement in the percent adsorption of methylene blue. This is confirmed in colorimetric spectra of both commercial and test carbon.

5. T. S. Durga Prasad, D. Ranganayakulu N. Devanna, Prescribing Pattern and Medication Related Problems in Hospitalized Diabetic Patients: A Hospital-Based Study, Journal of Pharmaceutical Research International, Page 12-21, 25 February 2021.

Abstract

Aim: To assess the drug-related problems (DRPs) and World Health Organization (WHO) core prescribing indicators among hospitalized diabetic patients. **Methodology:** A prospective, observational study was made among the diabetic inpatients of the General Medicine Department of a tertiary care hospital located in Tirupati, Andhra Pradesh, India. A suitable data collection form was used to collect the data pertaining to demographics, clinical variables, DRPs, and WHO prescribing indicators. Descriptive statistics like frequency, mean, and percentage were used to represent the demographics, distribution of DRPs, and prescribing indicators in the study. Inferential statistics like Chi-square test was employed to test the significant association between the demographics and occurrence of DRPs. **Results:** A total of 199 diabetic patients were enrolled in this study. The mean age of the study participants was 55.8 ± 11.3 . The study shows the prevalence of DRPs in diabetic in-patients was 48.7%. The most commonly identified DRPs are drug interactions (53; 45.3%), adverse drug reactions (24; 20.5%), and untreated indication (21; 17.9%). Patient characteristics like, advanced age (≥ 60 years), presence of co-morbid condition, comprising more than 5 drugs in prescription, and stay in the hospital for more than four days are significantly associated with the development of DRPs. Findings of WHO indicators show the average number of drugs, percentage of drugs prescribed by the generic name, percentage of encounters with an antibiotic, injection, and from essential drug list have deviated from standards of WHO. **Conclusion:** The prevalence of DRPs in diabetic in-patients was 48.7%. Drug interactions and adverse drug reactions are the most common DRPs found in our study. Developing the drug policy guidelines focused on factors associated with DRP and WHO prescribing indicators may reduce the burden of DRPs and improves patient outcomes.

6. Durga Prasad Thammisetty^{1*}, Diviti Ranganayakulu², Devanna Nayakanti, drug-related problems and its prescribing indicators in stroke patients: a prospective observational study, Asian J Pharm Clin Res, Vol 14, Issue 3, 2021, 141-144.

ABSTRACT Objective: The objective of the study was to assess the drug-related problems (DRPs) and the World Health Organization (WHO) core prescribing indicators among stroke patients. **Methods:** A prospective observational study was conducted among stroke inpatients of Acute Medical Care and General Medicine Department of a tertiary care hospital located in Tirupati, Andhra Pradesh, India. A suitable data collection form was used to collect the data about demographics, clinical characteristics, WHO prescribing indicators, and DRPs. Descriptive statistics were used to represent the demographics, distribution of DRPs, and prescribing indicators in the study. Chi-square test was employed to test the significant association between the demographics and the occurrence of DRPs. **Results:** Among 174 patients included in the study, 89 had one or more DRPs. A total of 122 DRPs were identified in the study population. Drug interactions (48.4%) and adverse drug reactions (ADRs) (17.2%) were commonly observed DRPs. A significant direct association was observed between the occurrence of DRPs and number of comorbidities.

7. Durga Prasad Ts, Neha R*, Kalyani R, Sandeep Kumar P, Jaya Sri ,Assessment of health-related quality of life and risk factors associated with pancreatitis in a tertiary care hospital. Asian J Pharm Clin Res, Vol 14, Issue 2, 2021, 69-73.

ABSTRACT Objective: The objective of the study was to measure the health-related quality of life (HRQoL) in pancreatitis and to appraise the risk factors associated with the pancreatitis. **Methods:** A prospective observational study was performed with admitted cases of pancreatitis over 6 month's period. A total of 150 patients were selected for the study. All data concerning risk factors were recorded and Short-Form-36 (SF-36) questionnaire was applied and quality of life (QOL) was analyzed in all patients with in study group. **Results:** All domains of (HRQoL) were assessed; it shows highest effect on role limitations due to physical health (36%), role limitations due to emotional problems (29%), role limitations due to physical health, and role limitations due to emotional problems (10%). Finally, our study revealed that there is a profound deterioration in physical components of QOL. The risk factors that majorly influence the QOL in association with disease were found to be alcohol consumption and smoking (70%). **Conclusion:** Pancreatitis remarkably diminishes the patient's HRQoL which predominantly shows negative impact on physical health.

8. B. R. Srinivas Murthy, Prasanna Raju Yelavarthi, N. Devanna and D. Jamal Basha Design of Guggul Lipid Loaded Chitosan Nanoparticles Using Box-Behnken Design -An Evaluation Study, JPRI 33(18): 53-67, 2021; Article no.JPRI 66721.

ABSTRACT :Aim: Guggul lipid, a lipophilic antihyperlipidemic moiety, undergoes extensive first-pass metabolism and has low bioavailability. In order to address this limitation, guggul lipid loaded chitosan nanoparticles (GNPs) were designed, optimized and processed by 3- factor 3-level Box- Behnken design (BBD). **Methodology:** A 3-factor 3-level BBD was employed to investigate combined influence of formulation variables on percent entrapment efficiency (EE) and percent drug release (DR) of GNPs prepared by ionic gelation method. The generated polynomial equation was validated and desirability function was utilized for optimization. Optimized GNPs were evaluated for physicochemical, morphological, release characteristics, solid state characterization and in-vitro cell line studies. **Results:** Amounts of chitosan, sodium tripolyphosphate and guggul were selected as independent variables had variably influenced EE and DR. Optimized GNPs were produced with an average size of 96.5 nm, electro kinetic potential of -15.4 mV, EE of 92.98% and DR of 95.12% in 24 h with sustained release. Physicochemical and in-vitro characterization revealed existence of guggul in amorphous form in GNPs without interaction and exhibited sustained release profile following first order with Higuchi kinetics. GNPs possessed lipase inhibition activity with IC₅₀ value of 14.72 µg/ml and better viability against various cell lines with CTC₅₀ values (256.24 to 321.27 µg/ml). **Conclusions:** Design and optimization of GNPs by BBD proved to be an effective and promising approach. High entrapment of guggul followed controlled release were the outcomes of GNPs prepared by ionic gelation with improved cell viability.

9. Keerthisikha Palur, Sreenivasa Charan Archakam, Bharathi Koganti, Chemometric assisted UV spectrophotometric and RP-HPLC methods for simultaneous determination of paracetamol,

diphenhydramine, caffeine and phenylephrine in tablet dosage form, August 2020, *Spectrochimica Acta Part A Molecular and Biomolecular Spectroscopy* 243:11880.

ABSTRACT: In this paper, Chemometric assisted UV spectrophotometric methods and RP-HPLC methods were developed and compared for the simultaneous determination of Paracetamol, Diphenhydramine Hydrochloride, Caffeine and Phenylephrine in tablet dosage form. UV-Spectrophotometric analysis was carried out by applying two Chemometric models namely, Principal Component Regression Method (PCR) and Partial Least Squares Regression Method (PLSR). Chromatographic method was developed and optimized by applying Response surface methodology -Central Composite Design (CCD). These methods were considered first for the quantification of the drugs present in the selected formulation. PCR and PLSR models were successfully validated and applied for resolving the complex UV-spectra in the wavelength range of 240-320 nm with a data interval of 1nm. In RP-HPLC method, the identified critical factors were methanol content (45-55 %v/v) and flow rate (0.7-0.9 mL/min) and the selected responses were retention time (Rt4) of fourth eluted component and resolution (RS1,2) between first and second eluted components. Derringer's desirability function was used for the optimization of the chromatographic method conditions which comprised of mobile phase consisting of methanol-potassium dihydrogen orthophosphate buffer (pH 3; 10mM) (50: 50, v/v) and at a flow rate of 0.81 mL/min with a detection wavelength of 220 nm. One-way ANOVA in 95% confidence interval revealed that there was no significant differences among the developed methods.

10. Srinivas Murthy, Prasanna Raju Yelavarthi, Devanna N, process of orlistat-loaded chitosan nanoparticles using box-behnken design – an evaluation study, *Asian Journal of Pharmaceutical and Clinical Research*, vol. 14, no. 5, May 2021, pp. 103-11.
doi:10.22159/ajpcr.2021.v14i5.41441.

ABSTRACT: Objective: High lipophilicity and extensive hepatic metabolism limit oral application of orlistat in obesity treatment. Orlistat-loaded chitosan nanoparticles (CONPs) were optimized by 3-factor 3-level Box- Behnken design (BBD) and surfaced engineered to address limitations. **Methods:** CONPs were prepared by ionic gelation method. Amounts of chitosan (X1), sodium tripoly phosphate (X2), and orlistat (X3) were selected as independent factors, whereas % entrapment efficiency (Y1) and % drug release (Y2) were employed as responses in BBD. Three-dimensional response surface plots were run to understand the main interaction and quadratic effects of independent variables. Further optimized formulation was surface engineered by Eudragit L-100 (ECONPs) and characterized by FTIR, DSC, XRD, particle size, zeta potential, and SEM. Entrapment efficiency, release kinetics, stability, and *in vitro* cell line studies were carried out. **Results:** ECONPs were produced with an average size of 534.6 nm, zeta potential of +5.7 mV, EE of 78.62%, and DR of 80.86%. Eudragit coated CONPs anchored the release of orlistat at pH 6.8 desirable for duodenal targeting. Orlistat was released with low, burst, and sustained release manner over 24 h period followed first-order kinetics with Higuchi model with drug content of 84.87% and 78.44% of release. ECONPs possessed lipase inhibition with IC50 value of 8.0 µg/ml and viability against selected cell lines with CTC50 values (26.32–

32.21 µg/ml). **Conclusion:** BBD was a promising tool in elucidating the insights of formulation variables of CONPs. ECONPs fulfilled the rationale of orlistat release, lipase inhibition, and viability against selected cell lines.

11. A.Ramakrishna Prasad 1 *, P. Lakshmi 2 , B. Sivakala ,A study on drug-drug interactions and adr's among psychiatry out-patients at a tertiary care teaching hospital, Int. Res. J. Pharm. 2020, 11 (6)

ABSTRACT : The expanding and challenging field of psychopharmacology is constantly seeking new and improved drugs to treat psychiatric disorders. In this way, psychiatrists are continuously exposed to newly introduced drugs that are claimed to be safe and more efficacious. The objective of this study is to assess and evaluate frequency of adverse effects and drug interactions. A prospective observational study conducted in a tertiary care hospital among 216 patients. Patient demographics, past medical history, family and surgical history, diagnosis and present medications prescribed were recorded. The data was obtained by direct patient interview and from patient case profiles. The collected psychotropic drugs were analysed to identify the adverse drug reaction (ADR's) and drug interactions. In a total of 216 patients, mental illness was most commonly observed in females 114 (52.70%). Majority patients were in the range of 21-30 years age group 70 (32.40%). Weight gain was commonly observed ADR with olanzapine. Drug interactions were mostly seen between the carbamazepine and risperidone. Some of the drug interactions and high prevalence ADR'S are therapeutic issues that needs to be addressed to foster evidence-based medicine.

ENTREPRENEURSHIP NEWS 2021

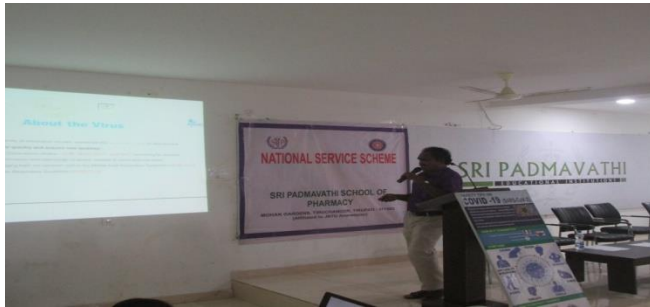
1. Success formula for entrepreneur and start ups:

Resource Person: Mr.T.Jae Chaddra



*Entrepreneurship Development cell organized a seminar on **Success formula for Entrepreneur and start ups**. He delivered a talk on how to get success in self employment.*

COVID-19 Awareness Program by SVRRGH Doctors:



COVID ACTIVITIES BY OUR STUDENTS: DISTRIBUTION OF FOOD TO THE POOR:



ఫార్మసీ విద్యార్థుల ఔదార్యం

తిరువతి ఎడ్యుకేషన్ : కరోనా సెకండ్ వేవ్ కారణంగా ఆహారం లేక ఆకలితో అలమటిస్తున్న పేదలు, నిరాశ్రయులకు ఫార్మసీ విద్యార్థులు ఆహారం అందించి ఔదార్యం చాటుకుంటున్నారు. తిరువానూరు లోని శ్రీపద్మావతి స్కూల్ ఆఫ్ ఫార్మసీ కళాశాలలో విద్యనభ్యసిస్తున్న బీ.ఫార్మసీ, ఫార్మాడీ విద్యార్థులు గత 12రోజులుగా అన్నదానం చేస్తున్నారు. కళాశాల చైర్మన్ సులోచన, డైరెక్టర్ ప్రజీత్, డ్రిన్సివల్ రంగ నాయకుల సహకారంతో సుమారు 800మంది విద్యార్థులు పాంత్ నగడుతో పాటు విరాళాలు సేకరించి, ఆ మొత్తంతో బోజనాలు తయారు చేయిస్తున్నారు. ప్రతి రోజు దాదాపు 200 వరకు ఆహార ప్యాకెట్లను కళాశాల సమీపంలోని ఎస్సీ కాలనీలోని పేదలకు, అలాగే తిరువతిలోని రుయా, స్విమ్మి, బస్సాండు, రైల్వేస్టేషన్ ప్రాంతాల్లోని నిరాశ్రయులకు



ఎస్సీ కాలనీలో పేదలకు ఆహార ప్యాకెట్లను

అందజేస్తున్న ఫార్మసీ విద్యార్థులు

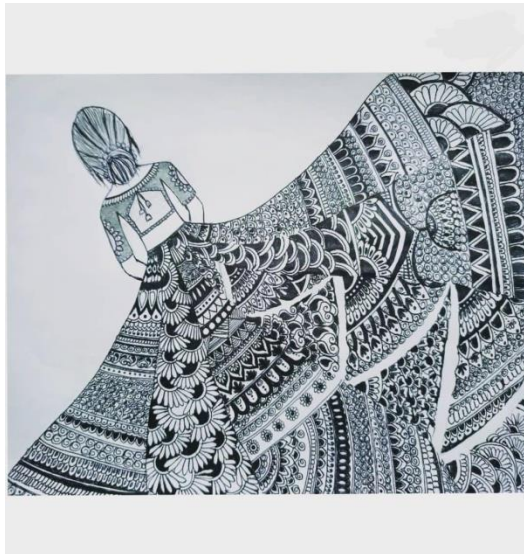
అందజేస్తున్న వారి ఆకలి తీరుస్తున్నారు. గత ఏడాది రాక్ టౌన్ నుంచి ఇప్పటి వరకు ఎందరో నిరాశ్రయులకు ఆహారం అందించామని, కళాశాల యాజమాన్యం సహకారంతో మరింత మంది ఆకలి తీర్చేందుకు కృషి చేస్తామని విద్యార్థులు తెలిపారు.

సాక్షి

Wed, 02 June 2021

<https://epaper.sakshi.com/c/60850567>

Hidden talents of SPSP students





SHAIK APSANA
PHARM.D
INTERN





Art by
M. Jahnvi
Bpharmacy
3rd year

Jah 4

A



DO U KNOW????????? FACTS....

DID YOU KNOW FACTS?



"MADE IN CHINA" STICKERS ARE ACTUALLY MADE IN KOREA, THAT'S WHY THE STICKER LASTS LONGER THAN THE PRODUCT.



You can eat 24 karat gold without falling ill. As pure gold is chemically inert, it will pass through the body and will get eliminated as waste.

Fat vs Muscle

www.nursemummy.com



Myth: fat weighs more than muscle



Truth: per pound / kilo, fat and muscle weigh the same. Muscle is more dense and fat takes up up to 15% more space than muscle.



1 Pound of Fat



1 Pound of Muscle



DID YOU KNOW?

Ants never sleep. Also they don't have lungs. Oxygen enters through tiny holes all over the body and Carbon Dioxide leaves through the same holes.



DID YOU KNOW?

Your heart can keep beating even if it is separated from the body because it has its own electrical impulse.

