

**Dr.JYOTHIRMAYEE DEVINENI, M.Pharm., Ph.D., LL.B**

**CURRICULAM VITAE**



**Dr.JYOTHIRMAYEE DEVINENI**

*Associate Professor*

*Department of Pharmaceutics and Biotechnology,  
KVSR Siddhartha College of Pharmaceutical Sciences,  
Vijayawada, Andhra Pradesh, India.*

**R L NICORE AWARDEE-2022**

**Co-Investigator (2022 -2023)**

**All India Institute of Medical Sciences,  
Mangalagiri,  
Guntur, India.**

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## PROFESSIONAL SUMMARY:

- **R L NICORE AWARDEE 2022** for BEST RESEARCH PAPER (International level) published in Indian Journal of Pharmaceutical Education and Research (IJPER-WEB OF SCIENCE, SCOPUS-Q3, SCIENCE CITATION INDEXED).**First to receive the award from both Telugu speaking states since 25 years.**(other awardees from different universities and Pharma companies since 1998 were belonging to Pune, Delhi, Jodhpur, Mumbai, Dehradun, Orissa etc)
- Fifteen years of Teaching experience – **Sri Chukkapalli Pitchiah Best Teacher Awardee-2017.**
- Twelve years of Research experience-**Best Researcher Awardee** (KVSR Siddhartha College of Pharmaceutical Sciences-Department of Pharmaceutics and Biotechnology for 2017-2018). Highly interested at molecular basis of Drug ADME (Absorption, Distribution, Metabolism and Excretion) for the improvement of Drug Delivery to avoid discrepancies relating to Human genome.
- **Research collaborator** as **Senior Scientist-Research and Development (R and D)** to Hetika Pharmaceuticals LLP, Hyderabad, Telangana to develop an **innovator** drug product.
- Research collaborator as **Co-investigator** to two Intramural Research projects, **All India Institute of Medical Sciences, Mangalagiri.**
- Completes the assigned work with perfection and exponential accuracy before time. Have an exciting Vision and Mission, Leadership qualities. My strengths are Hard work, Dedication, Organized, Self-Motivated, Accountability, Technical Expertise, Transferable skills, Innovative, Able to execute Big ideas, Interpersonal skills, Good Communication Skills, Perseverance and Trustworthy.

## Academic Qualification (SSC onwards)

S.No	Degree	Year	Subject	University/Institution	% of marks
1	SSC	1996	Tenth class	Montessori English Medium School	<b>87</b>
2	Board of Intermediate Education	1998	Intermediate	Sree Vidya Junior College	<b>94,</b> Gudivada Town First
3	B.Pharmacy	2004	Pharmacy	Sri Padmavathi Mahila Viswa Vidyalayam	<b>77.8,</b> University top second

4	M.Pharmacy	2007	Pharmaceutics	Acharya Nagarjuna University	<b>79.25,</b> University top second
5	Ph.D	2015	Pharmaceutics	Andhra University	Work was presented to a diversified audience worldwide and got appreciated.
6	LL.B	2010	Bachelor of legislative law	Acharya Nagarjuna University	68.85, University top second

## SUBJECTS HANDLED

### M. PHARMACY

1. Advanced physical pharmacy(2011-2018)
2. Advanced Drug delivery systems-II(2012-2018)
3. Intellectual property Rights(2011-2018)
4. Preformulation studies(2011-2017)
5. Advanced Biopharmaceutics(2012-2014)
6. Advanced Pharmacokinetics(2012-2014)
7. Regulatory Affairs(2018-to Date)
8. Computer Aided Drug Development(2018-To Date)

### B.PHARMACY

1. Pharmaceutics-III Theory and Practical (2013-2018)
2. Physical pharmacy-II Theory and Practical (2008-To Date)
3. Physical pharmacy-I Theory and Practical (2013-2015)
4. Pharmaceutical engineering-1(2008-2018)
5. Biochemistry Theory and Practical (2007-2009)
6. Pharmacology (2007-2009)
7. Pharmaceutical Analysis-II Theory and Practical (2008-2009)
8. Inorganic chemistry Theory and Practical (2007-2009)
9. Industrial Pharmacy-I Theory and Practical (2019-To Date)

10. Novel Drug Delivery Systems (2018-To Date)
11. Biopharmaceutics and Pharmacokinetics (2015-To Date)
12. Pharmaceutical Regulatory Science(2021-To Date)

#### **Pharm.D**

1. Biochemistry (2012-2017)
2. Pharmaceutical dosage forms Theory and Practical (2010-2012)

#### **Ph.D thesis title, Guide's Name, Institute/Organization/University, Year of Award.**

Preparation and Evaluation of liquid fill formulations for soft gels and Gastroretentive Formulations of Nelfinavir mesylate, under Dr.Vijaya Ratna, College of Pharmaceutical Sciences, Andhra University, 2015.

Year of Completion: 2013

Year of Award : 2015

#### **My Doctoral research work was presented, awarded at international and national seminars.**

**The following are the appreciation received for my Doctoral research work in various International and National Seminars/Conferences**

1. **"BEST SESSION PAPER AWARD"** for **"Novel dosage forms of nelfinavir mesylate-Soft gelatin capsules"** at International Conference on Bioscience, Biochemistry and Pharmaceutical Sciences 2014, February 11, 12 held at **Singapore**.
2. Presented at International conference on medical, biological, and pharmaceutical Sciences ICMBPS, March 2014, held at **Abu Dhabi**.
3. **BEST POSTER AWARD** for my presentation "Antiretrovirals-novel dosage forms," at the national level workshop on "Role of intellectual property in Biopharma industries" organized by Vijaya Institute of Pharmaceutical Sciences, Enikepadu, March 1 and 2 of 2013.
4. **BEST ORAL PRESENTATION AWARD** for my other part of Doctoral work "Formulation and Evaluation of Controlled-release formulations (Gastroretentive) of Nelfinavir Mesylate" at the national seminar on "Discovery, Strategies challenges in Pharmaceutical Harmonization," December 21,22 of 2012, organized by Vignan Pharmacy College, Guntur, Andhra Pradesh.

5. **SECOND BEST ORAL PRESENTATION AWARD** for the presentation on novel dosage forms of Nelfinavir Mesylate at **UGC** (University Grants Commission, Government of India) sponsored seminar on “Innovative research and Development in pharmaceutical sciences-current scenario and new horizons,” November 9 and 10 of 2012 organized by University College of pharmaceutical sciences, Acharya Nagarjuna University, Guntur, Andhra Pradesh.

**Work experience (in chronological order)**

S.No	Positions held	Name of the Institute	From	To
1	Lecturer	KVSR Siddhartha College of Pharmaceutical Sciences	2007	2015
2	Assistant Professor	KVSR Siddhartha College of Pharmaceutical Sciences	2015	2017
3	Associate Professor	KVSR Siddhartha College of Pharmaceutical Sciences	2017	To Date
4	Technical Assistant, <b>UNICEF Funded</b> Extramural PARC Project	<b>All India Institute Of Medical Sciences, Mangalagiri,</b> Andhra Pradesh	2021 September	2021 December
5	Research Colloborator as <b>R and D Scientist</b>	Hetika Pharmaceuticals LLP, Hyderabad, Telangana.	2022 January	2022 July
6	<b>Co-investigator</b> of Intramural project	<b>All India Institute Of Medical Sciences, Mangalagiri,</b> Department of Pharmacology.	2022, February	To Date

I received various professional awards and recognition from National and International Organizations

**PROFESSIONAL RECOGNITION/AWARD/ PRIZE/ CERTIFICATE, RECEIVED**

S.No	Name of the award	Awarding agency	Year
1	<b>R L NICORE AWARD</b> for Best Research Paper in Pharmaceutics	Indian journal of Pharmaceutical education and research <b>(IJPER-Web of Science,</b>	2022 September

		<b>Science Citation Indexed, SCOPUS indexed journal)</b>	
2	<b>SPECIAL PRIZE</b> in Elocution for the topic, “Eventhough equal property Rights were given to women, why Dowry still prevails, causes”	SAFE(STEP AHEAD FOR EQUALITY), Forum Regd NO.04/2014, a non-political organization in collaboration with Krishna University	August 26 <sup>th</sup> 2022
3	<b>APPRECIATION AWARD</b> for contributing in commercializing Paracetamol-500mg effervescent tablets	Hetika Pharmaceuticals LLP, Hyderabad	August 2022
4	<b>Co-investigator</b> of an Intramural project titled Evaluation of an Antiepileptic Activity of novel transient receptor potential vanilloid-1(TRPV1) receptor Antagonists A-425619, JNJ 17203212 and novel Glycogen synthase kinase 3 (GSK-3) inhibitors AZD 2858, Loganin (HY-N0512) using acute and chronic experimental epilepsy models in adult Zebra Fish.	<b>All India Institute Of Medical Sciences, Mangalagiri,</b> Principal Investigator- Dr.Madhav, Associate Professor, Department of Pharmacology.	August 2022 12 months project
5	<b>Co-investigator</b> of an Intramural project titled “ Evaluation of inhibitors of fatty acid amide hydrolase (FAAH) and TRPV1 channel inhibitors against PTZ induced seizures in adult Zebrafish: an in-silico and preclinical in-vivo study,”	<b>All India Institute Of Medical Sciences, Mangalagiri,</b> Principal Investigator-Dr.Sushil Sharma, HoD, Department of Pharmacology.	One year project from 2022, February- 2023 February
6	<b>Research-Colloborator</b> as Consultant R and D scientist	Hetika Pharmaceuticals LLP, Hyderabad	2022, January

7	<b>UNICEF FUNDED PARC PROJECT, Technical Assistant</b>	<b>All India Institute Of Medical Sciences, Mangalagiri</b>	2021 September to December
8	Appreciation letter for Reviewer of <b>web of science research publication</b> , December 2021	Journal of Pharmaceutical Research International	2021
9	Sri Chukkapalli Pitchiah Memorial <b>Best Teacher Award for the year 2017</b>	Siddhartha Academy of General and Technical Education, Vijayawada	2018
10	<b>Best Researcher Award</b> for the academic year, 2017-2018, Department of Pharmaceutics	KVSR Siddhartha College of Pharmaceutical Sciences, Vijayawada	2018
11	<b>Inspiring Roll model on International women's day</b>	Hindu college of pharmacy, Guntur	2018
12	Bharata Mahila Siromani Award	Health care International, from the hands of <b>Padmasri Dr. Kakarla Subba Rao</b> Hyderabad	2014
13	<b>"Best Session Paper Award"</b>	International Conference on Bioscience, Biochemistry and Pharmaceutical Sciences, <b>Singapore</b>	2014
14	<b>Best Poster award</b>	Vijaya Institute of Pharmaceutical Sciences, Enikepadu, Vijayawada	2013
15	<b>Best Oral Presentation Award</b>	National seminar at Vignan University, Vadlamudi, Guntur	2012
16	<b>Second Best Oral Presentation</b>	<b>UGC Sponsored National</b>	2012

	<b>Award</b>	<b>Seminar,</b> University College of Pharmaceutical Sciences, Acharya Nagarjuna University, Guntur	
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## PROFESSIONAL CONTRIBUTIONS

1. **Received prestigious R L NICORE AWARD 2022 (international level)** on september 2<sup>nd</sup> 2022 at APTICON 2022 conducted at JSS University, Mysore, Karnataka for the research paper published in Indian Journal of Pharmaceutical Education and Research (IJPER-WEB OF SCIENCE, SCOPUS, SCIENCE CITATION INDEXED JOURNAL).
2. Received **Special Prize** in Elocution for the topic, "Eventhough equal property Rights were given to women, Why Dowry still prevails, causes" as a part of International Equality Day-2022, conducted by SAFE (Step Ahead For Equality), a Forum Regd No.04/2014, non-political organization in collaboration with Krishna University, VR Siddhartha Engineering College, S.D.Siddhartha Mahila Kalasala, Andhra Loyala College, Sri.V.D.Siddhartha Law College, on 26<sup>th</sup> August 2022.
3. **As a program co-ordinator of Organizing committee**, organized one week online international Faculty Development Program from 22<sup>nd</sup> to 27<sup>th</sup> August 2022 on "Holistic approaches towards Disease, Treatment: Regulations and Pharmacological Strategies" organized by department of Pharmacognosy, KVSR Siddhartha College of Pharmaceutical Sciences.
4. **As a program co-ordinator, organized Treasure Hunt Event at "PHARMA CARNIVAL-2K22"**, an Intercollegeiate Cultural Event On August 26<sup>th</sup> and 27<sup>th</sup> 2022 at KVSR Siddhartha College of Pharmaceutical Sciences,Vijayawada.
5. Organized Virtual Alumni meet 2022 as **President** of KVSR Siddhartha Alumni Association on August 13<sup>th</sup> 2022 registerd under "The registrar of societies, Government of Andhra Pradesh".
6. **Received Letter of Appreciation** for my contribution in commercialization of Paracetamol 500 mg in Effervescent Tablet on August 1<sup>st</sup> 2022.
7. **As a Co-investigator, funded an Intramural grant for the project**, "Do Glycogen Synthase Kinase-3 [GSK-3] Inhibitors and TRPV-1 Antagonists Have Antiepileptic Efficacy In Acute and



Kindling Models of Adult Zebra Fish: An Experimental In-vivo Study” from All India Institute of Medical Sciences, Mangalagiri, Guntur district with Dr.Madhav, Associate Professor, Department of Pharmacology as Primary Investigator, in the month of August 2022.

8. **Acted as Moderator for the session**, “Pharmaceutical Product Development: Meeting Global Regulatory Requirements,” by Dr.Adi Narayana Reddy, Program Manager, Dr.Reddy’s Lab, Ltd., Hyderabad, of One week Online Faculty Development Programme on “Emerging trends in Pharmaceutical Sciences: Challenges from Academic Research to Commercialization,” Organized by Department of Pharmaceutics and Biotechnology in association with Siddhartha Pharma Innovation and Incubation Centre, KVSR Siddhartha College of Pharmaceutical Sciences,Vijayawada from 18<sup>th</sup> to 23<sup>rd</sup> July 2022.
9. Initiated and successful in providing **consultancy services** of KVSR Siddhartha college of Pharmaceutical Sciences to HETIKA PHARMACEUTICALS LLP, Hyderabad for the project, “Dissolution studies for Paracetamol Effervescent Tablets.”
10. **Launched and Commercialized Paracetamol in new Effervescent Tablet form in India and led the Research and Development team as Chief Consultant Research and Development scientist of HETIKA PHARMACEUTICALS LLP, Hyderabad.**
11. **Organized a three-week “Value Added Certificate Program on Intellectual Property Rights” as IPR Cell Chairperson and Programme-Coordinator** for the benefit of IV/IV B.Pharmacy students of KVSR Siddhartha College of Pharmaceutical Sciences from 20<sup>th</sup> May 2022 to 4<sup>th</sup> July 2022.
12. **As a Resource Person delivered a talk on Intellectual Property Rights in a three-week “Value Added Certificate Program on Intellectual Property Rights”** at KVSR Siddhartha College of Pharmaceutical Sciences from 20<sup>th</sup> May 2022 to 4<sup>th</sup> July 2022.
13. **Organized a life skill training programme** for the Final B.Pharmacy students as a Programme-Coordinator “Training Course on Fire Fighting and Safety,” conducted by Kings Institute of Fire and Safety Engineers, Kukatpally, Hyderabad, organized jointly by Department of Pharmaceutics and Biotechnology and Department of Pharmacognosy on Monday, 27<sup>th</sup> June 2022.
14. **Organized a workshop on “Intellectual Property Rights” as IPR CELL CHAIRPERSON and Programme-Coordinator** the Resource person Mr.M.Sudheer, Indian patent agent, Trademark Attorney delivered information and protocols for the patent filing, 20<sup>th</sup> May 2022.
15. **As a Co-investigator invited by Dr.Phulen Sharma and Dr.Sushil Sharma, HoD, Department of Pharmacology, All India Institute Of Medical Sciences, Mangalagiri, to execute the Intramural project** titled “ Evaluation of inhibitors of fatty acid amide hydrolase

- (FAAH) and TRPV1 channel inhibitors against PTZ induced seizures in adult Zebrafish: an in-silico and preclinical in-vivo study,” 12<sup>th</sup> May 2022 at AIIMS, Mangalagiri.
16. **Expert Lecture delivered to Industry personnel as Resource Person** on “**Nanoliposomes-Targeted Drug Delivery**” at Hetika Pharmaceuticals as a part of **PROPEL 2022-2023**, Annual Budget Meet held at Manjeera Trinity Corporate, Hyderabad, March 27<sup>th</sup> to 29<sup>th</sup> March 2022.
  17. **Training offered to Industry personnel as Resource Person** on “**Soft Gelatin Technology**” at Hetika Pharmaceuticals as a part of **PROPEL 2022-2023**, Annual Budget Meet held at Manjeera Trinity Corporate, Hyderabad, March 27<sup>th</sup> to 29<sup>th</sup> March 2022.
  18. **Trained 300 students from 25 different pharmacy colleges as Resource Person** of Andhra Pradesh and Telangana on practical preparation of **nanoliposomes** for targeted drug delivery at the National workshop on “**Targeted Drug Delivery: Novel Approaches and Practical Insights**,” organized by KVSRR Siddhartha College of Pharmaceutical Sciences, Department of Pharmaceutics and Biotechnology in association with Siddhartha Pharma Innovation and Incubation Centre, Vijayawada, March 19<sup>th</sup>, 2022.
  19. **As a Co-investigator**, I got a research project titled “ Evaluation of inhibitors of fatty acid amide hydrolase (FAAH) and TRPV1 channel inhibitors against PTZ induced seizures in adult Zebrafish: an in-silico and preclinical in-vivo study,” **funded by All India Institute of Medical Sciences, Mangalagiri** with Dr.Sushil Sharma, HoD, Department of Pharmacology as Primary Investigator, **February 2022**
  20. I got an opportunity to pursue **Research in the International UNICEF extramural project** that availed myself of cutting-edge facilities clinically in a pioneer research environment such as AIIMS, Mangalagiri. I was granted four months extraordinary leave (**September to December 2021**) from KVSRR SCOPS to join the prestigious **UNICEF (UNITED NATIONS INTERNATIONAL CHILDREN'S EMERGENCY FUND)** funded extramural **PARC project** at the pioneer research institute, **All India Institute of Medical Sciences (AIIMS), Mangalagiri**, under the Principal Investigator, Dr.Rakesh Kakkar, Medical Superintendent, HOD, Department of Community And Family Medicine, AIIMS, Mangalagiri.
  21. **I took initiative to process the MoU with AIIMS, Mangalagiri on 12<sup>th</sup> March 2022.**
  22. Successfully participated in Intellectual Property Training Programme as a part of **NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION (NIPAM)**, FEBRUARY 12, 2022 organized by **INTELLECTUAL PROPERTY OFFICE, Ministry of Commerce and Industry, Department for Promotion of Industry and Trade, Office of the Controller General of India, Designs and Trademarks, Government of India**. I learnt patent filing process

23. My research idea in the formulation is **Funded** by Hetika Pharmaceuticals LLP, Hyderabad, for commercialization of a novel dosage form **-Fund received from Industry (outside organization), January 2022**. It will be a great contentment for a researcher like me to **develop an innovator product in Indian scenario which is MAKE IN INDIA innovator product, a service to humanity**
24. The Managing Director of Hetika Pharmaceuticals, Dr.Gautham (being a Doctor himself, passionate to market the dosage forms with good patient compliance and higher Bioavailability) and Chief Operating Officer Mr.Thirumal Rao approached me to collaborate for the development of Soft Gelatin Capsule Technology on which I have been working since 10 years.
25. My services to develop the Soft Gelatin Capsule Technology have been used as **consultancy services** by Hetika Pharmaceuticals from January 2022.
26. Taken initiative in getting MoU with Hetika Pharmaceuticals LLP, Hyderabad
27. Organized **Entrepreneurship Awareness Camp Workshop** funded by **Department of Science And Technology, 2019**.
28. **Organized/chaired and moderated 1 webinar, 2 workshop, 2 seminars/Guest lectures**
- I. Moderated and Co-Chaired National seminar on **“ROLE OF 3D PRINTING IN HEALTH CARE”**, 7<sup>th</sup> February, 2020-NATIONAL SEMINAR
  - II. I have taken initiative to invite Mrs.Tara Kondisetty, **Indian Patent Agent** to deliver a lecture on patent filing process, **“ INTELLECTUAL PROPERTY RIGHTS, AN OVERVIEW”**, August 2020-WEBINAR
  - III. Moderated and Co-Chaired National seminar on **Innovate-O-Thon for Better Future** 21<sup>st</sup> November, 2019-NATIONAL SEMINAR
  - IV. I took active part in initiating **Entrepreneurship Awareness Camp**, March 2019. I took active part in searching resource person who can speak on the government guidelines/schemes/proposals for **MSME (Micro/Small/Medium Enterprises)** industries and invited the guest speaker, Mr.A.Sudhakar, General Manager, **District Industries Centre (DIC)**, Vijayawada, Government of Andhra Pradesh, who gave awareness on various government schemes. I have taken initiative to take advice from **APIIC (Andhra Pradesh Industrial Infrastructure Corporation)** officers for this purpose. Final B.Pharmacy students took help from him to start their **Start-Ups** and few succeeded-WORKSHOP CUM SEMINAR
  - V. I acted as **Co-Chairperson** for the **India-Poland Seminar and Workshop** on **“DRUG DEVELOPMENT AND DELIVERY ASPECTS FOR PEDIATRIC AND GERIATRIC PATIENTS,”** March 2017, sponsored by **Department of Science and Technology,**

**Government of India, jointly organized with Faculty of Pharmacy, Medical University of Gdansk, Poland**

29. I have guided 21 M.Pharmacy and 32 B.Pharmacy research projects. Presented 24 Scientific Oral/Poster presentations in various International seminars/conferences/workshops.
30. **Six M.Pharmacy project students and four B.Pharmacy students under my guidance were awarded best oral and posters in scientific Research (enclosed).** Under my guidance, project students presented 15 scientific papers in national and international scientific seminars and workshops. M.Pharmacy student projects which were presented and awarded under the guidance of Dr.Jyothirmayee
- Novel Nanoliposomal Ivermectin for Lymphatic Filariasis. Sarvani Kopuri, Sai Reshma Emmadisetty, Devineni Jyothirmayee **WON SECOND PRIZE IN POSTER PRESENTATION SESSION** at National Conference on “Current Advances in Pharmaceutical Research and Innovations in Pharmaceutical Industry” with Theme “Exploring the recent trends and advances in the field of Pharma Research and Innovations in Industry,” organized by University College of Pharmaceutical Sciences and Research, Krishna University, Machilipatnam on July 7th and 8th of 2022.
  - Novel Formulations of Carvedilol for Faster Onset of Action. Prasanthi Akumarthi, Jahnvi Sri Mutte, Jyothirmayee Devineni **WON SECOND PRIZE IN POSTER PRESENTATION SESSION** at UGC sponsored National Seminar on “Nanosystems for Targeted Drug Delivery”, organized by University College of Pharmaceutical Sciences, Acharya Nagarjuna University, Guntur, on March 29th, 30th of 2022.
  - Formulation and Characterization of Ambrisentan liposomal liquid fill formulation for soft gelatin capsules. D.K.Priyanka, Devineni Jyothirmayee-**WON SECOND PRIZE IN ORAL PRESENTATION SESSION** at the National Seminar on “prospectives of bioanalytical techniques in drug discovery and development” organized by Department of analysis, at V.V.Institute of pharmaceutical sciences, Gudlavalleru,, Andhra Pradesh on January 8 of 2020.
  - Formulation and Characterization of Ivermectin Liposomal Drug Delivery System for lymphatic filariasis. **D.K.Priyanka, Devineni Jyothirmayee-WON FIRST PRIZE IN ORAL PRESENTATION SESSION** at UGC sponsored national seminar on” Recent trends in nanoscience and nanotechnology-2020, conducted at Department of nanotechnology, University college of pharmaceutical sciences, Acharya Nagarjuna University, Guntur, Andhra Pradesh on January 30 and 31 of 2020.

- Formulation and Characterization of Liposomal Drug Delivery System for Ambrisentan. **D.K.Priyanka, G.Himadayasree, Devineni Jyothirmayee-WON FIRST PRIZE IN POSTER SESSION** at 17<sup>th</sup> Indo-African conference on “Global challenges and innovations in pharmaceutical sciences” conducted at Sri Vasavi Institute of pharmaceutical sciences, Tadepalligudem, Andhra Pradesh on September 7 of 2019.
  - Formulation and Evaluation of liquid fill formulations for SOFT GELATIN CAPSULES OF CARVEDILOL. **G.HimaUdayasree, M.Chandana, DevineniJyothirmayee-WON FIRST PRIZE IN POSTER SESSION** at National Seminar conducted on “Modern technologies in drug design, development, and evaluation-the next era,” at Adithya Pharmacy College, Surampalem, Andhra Pradesh on November 23 and 24, 2018.
  - Development and in-vitro Evaluation of gastroretentive dosage forms of lopinavir through the strategy of mucoadhesion. **M.chandana, Devineni Jyothirmayee-WON FIRST PRIZE IN POSTER SESSION** at National Conference conducted on “New frontiers and conceptual advances in pharmaceutical sciences,” in association with IPA at V.V.Institute of pharmaceutical sciences, Gudlavalleru, Andhra Pradesh on December 28 2018.
31. Published **3 Science Citation Indexed (Web of Science)** research publications and 11 Scopus indexed research publications.
- **Jyothirmayee Devineni**, Ch.Durga Pravallika, B. Sudha Rani. Effective single drug treatment of lymphatic filariasis through enhanced transdermal delivery of ivermectin liposomes using solid and dissolving microneedles. **Indian J Pharm Edu.** 2020; 54(3s):S492-S504.
  - Buchi N. Nalluri, Chandrateja Uppuluri, **Jyothirmayee Devineni**, Atul Nayak, Karthik J. Nair, Benjamin R. Whiteside, Diganta B. Das. Effect of microneedles on transdermal permeation enhancement of amlodipine. **Drug Deliv Transl Res.**2017; 7(3):1-12.
  - Chandra Teja Uppuluri, **Jyothirmayee Devineni**, Tao Han, Atul Nayak, Kartik J. Nair, Benjamin R. Whiteside, Diganta B. Das & Buchi N. Nalluri. Microneedle-assisted transdermal delivery of Zolmitriptan: effect of microneedle geometry, in vitro permeation experiments, scaling analyses and numerical simulations. **Drug Dev Ind Pharm.** 2017; 43:1292-1303.
32. **Reviewer of Web of Science** research publication, **Journal of Pharmaceutical Research International** December 2021(**Web of Science** license was granted till January 2022 for

- the journal**).Serve as peer reviewer for ‘Journal of Advances in Medical and Pharmaceutical Sciences’ journal 2017,2018,2019, 2020.
33. Serve as external examiner for B.Pharmacy and M.Pharmacy conducted by various universities such as
- Acharya Nagarjuna University
  - Vishnu college of Pharmacy, Bhimavaram
  - JNTU, Hyderabad
  - JNTU, Kakinada
34. Paper setter and evaluator for Pharm.D, B.Pharmacy and M.Pharmacy conducted by various universities such as
- Andhra University
  - Acharya Nagarjuna University
  - Sri Padmavathi Mahila University
  - Vishnu college of Pharmacy, Bhimavaram
35. I am invited adjudicator for scientific presentations at various national and international seminars. I am also member in different national professional bodies including
- **APTI (Association of pharmacy teachers of India)**
  - Registered pharmacist (Andhra Pradesh State pharmacy council)
  - American Association of Pharmaceutical Scientists (AAPS)
36. I have been giving **excellent and dedicated performance over the last 15 years**, and I have taught 25 different challenging subjects to B.Pharm, M.Pharm, and Pharm D students with excellent feedback from the students through self-appraisal
37. Actively involved in **NIRF 2018, 2019, 2020** submission committee, I participated in the entire process for the years 2019 and 2020 with dedication and the ranking was consistently in the rank band 76-100.In 2018 I was actively involved with team work and the rank was in the band of 51-75.
38. **DSIR** data submission committee, I participated in the data entry and verification. **SIRO** renewal data entry committee, I participated in the data entry and verification. Time table and academic calendar committee, I participate in the committee for the calculation of workload
39. **Alumni committee**, I participated as committee chairperson from 2017, since then I actively involved in organizing 2 guest lectures and one consultancy workshop in every year for providing awareness on career oppotunities, prepared Byelaws, submitted the process for registration.

40. **Equipment committee**, I was involved in the verification of equipment, their performance and maintenance. **Magazine committee**, I actively participate in making the magazine book. **Library verification committee**, I participated in the verification of books in the library.
41. **NBA Criterion 5**: I compiled and completed the task in time the entire criterion according to the instructions given by the co-ordinators with accuracy
42. I encourage students to actively participate in various service oriented activities to people around us and sent few B.Pharm students to participated in volunteering health activities, various Hackathon Run and rallies.
43. I encourage students to participate in International and National seminars/workshops/scientific meetings. **Six M.Pharmacy students** achieved Awards/prizes/Best papers at National and International seminars/conferences
44. I encourage students to actively take part in spreading awareness in the public about constitutional obligations, to respect and obey laws of the country, protect and preserve cultural heritage, environment. Example Traffic awareness, volunteering on National days in schools/hospitals.

#### **Web of Science/Science Citation Indexed Publications-International Journals**

1. **Jyothirmayee Devineni**, Ch.Durga Pravallika, B. Sudha Rani. Effective single drug treatment of lymphatic filariasis through enhanced transdermal delivery of ivermectin liposomes using solid and dissolving microneedles. **Indian J Pharm Edu.** 2020; 54(3s):S492-S504.
2. Buchi N. Nalluri, Chandrateja Uppuluri, **Jyothirmayee Devineni**, Atul Nayak, Karthik J. Nair, Benjamin R. Whiteside, Diganta B. Das. Effect of microneedles on transdermal permeation enhancement of amlodipine. **Drug Deliv Transl Res.**2017; 7(3):1-12.
3. Chandra Teja Uppuluri, **Jyothirmayee Devineni**, Tao Han, Atul Nayak, Kartik J. Nair, Benjamin R. Whiteside, Diganta B. Das & Buchi N. Nalluri. Microneedle-assisted transdermal delivery of Zolmitriptan: effect of microneedle geometry, in vitro permeation experiments, scaling analyses and numerical simulations. **Drug Dev Ind Pharm.** 2017; 43:1292-1303.

**International Publications (SCOPUS, INDIAN CITATION INDEXED, UGC APPROVED) in year-wise descending order.**

#### **Research Publications of Dr.Jyothirmayee Devineni**

1. Jyothirmayee Devineni, Sai Gautham Naidu, Thirumala Rao Pathini. Preclinical studies to develop a novel soft gelatin capsule for paracetamol with faster onset time of action. **European j biomed pharm sci.** 2022; 9(5): 227-238.
2. **Jyothirmayee Devineni**, Ch.Durga Pravallika, B. Sudha Rani. Effective single drug treatment of lymphatic filariasis through enhanced transdermal delivery of ivermectin liposomes using solid and dissolving microneedles. **Indian J Pharm Edu Res** 2020; 54(3s):S492-S504.
3. **Jyothirmayee Devineni**, Nagamalleswara Rao S, Vijaya Ratna J. Studies on development of gastroretentive dosage forms of nelfinavir mesylate-an antiretroviral drug, through the strategy of mucoadhesion. **European j biomed pharm sci.** 2018; 5(4): 432-439.
4. Buchi N. Nalluri, Chandrateja Uppuluri, **Jyothirmayee Devineni**, Atul Nayak, Karthik J. Nair, Benjamin R. Whiteside, Diganta B. Das. Effect of microneedles on transdermal permeation enhancement of amlodipine. **Drug Deliv Transl Res.**2017; 7(3):1-12.
5. Chandra Teja Uppuluri, **Jyothirmayee Devineni**, Tao Han, Atul Nayak, Kartik J. Nair, Benjamin R. Whiteside, Diganta B. Das & Buchi N. Nalluri. Microneedle-assisted transdermal delivery of Zolmitriptan: effect of microneedle geometry, in vitro permeation experiments, scaling analyses and numerical simulations. **Drug Dev Ind Pharm.** 2017; 43:1292-1303.
6. **Jyothirmayee Devineni**, Vijaya Ratna J. Formulation and evaluation of soft gelatin capsules of nelfinavir mesylate. **European j biomed pharm sci.** 2016; 3(2): 398-407.
7. **Jyothirmayee Devineni**, Vasumathi Rangani, Sravya Nunna. Formulation and Evaluation of liquid fill formulations for soft gels of Lopinavir and Ritonavir. **European j biomed pharm sci.** 2016; 3(12): 488-496.



8. **Jyothirmayee Devineni, Sravya Nunna, Vasumathi Rangani.** Formulation and Evaluation of liquid fill formulations for soft gels of Elvitegravir. **European j biomed pharm sci.** 2016; 3(12): 502-508.
9. **Jyothirmayee Devineni, Vasumathi Rangani, Sravya Nunna.** New sensitive UV Spectrophotometric method for simultaneous estimation of Lopinavir and Ritonavir in fixed dose combination as soft gels. **Int j pharm dev Tech.**2015; 7(1): 25-30.
10. **Jyothirmayee Devineni, Tummala Harika, K.Venkat Vardhan Reddy.** Development of immediate- release liquid fill formulations for soft gels of Paracetamol. **Int j Pharm dev tech.**2015; 5(1): 75-82.
11. **Jyothirmayee Devineni, K.Venkat Vardhan Reddy.** Development of immediate-release liquid fill formulations for soft gels of Sumatryptan succinate. **Int J res pharm sci.**2014; 5(4): 1-8.
12. Ramana G, **Jyothirmayee.D,** Digpati Roy. Formulation and the effect of channeling agents on the release pattern of ambroxol hydrochloride from HPMC K4M. **Asian J Pharm Health Sci.**2012; 2(4): 467-472.
13. Buchi N Nalluri, **D.Jyothirmayi,** D.Anusha, K.M.Maheswari Controlled release tablet formulations of Carvedilol. **J. Chem. Pharm. Res.** 2012; 4(9):4266-4274.
14. Ramana G, **Jyothirmayee.D,** Sri Vaishnavi P. Sustained release of Nifedipine from matrix tablets of its solid dispersions employing superdisintegrants. **Int res j Pharm** 2011; 2(9):166-169.
15. G. Ramana and **D. Jyothirmayee.** Controlled release of Nifedipine from matrix tablets of its solid dispersions in SSG and CCS. **ANU j Pharm Sci Res** 2011, 38-49.
16. G. Ramana and **D. Jyothirmayee.** Sustained release of Nifedipine from matrix tablets of its solid dispersions employing superdisintegrants. **Int Res j Pharm** 2011; 2 (9): 166-169.

17. **D. Jyothirmayee**, G. Sudhakar Sai Babu and G. Devala Rao. Spectrophotometric determination of Gemifloxacin in pharmaceutical formulations. **Asian j. chem.** 2010; 22(2):1634-1636.

### B.PHARMACY PROJECTS GUIDED BY Dr.D.JYOTHIRMAYEE

Thirty two B.Pharmacy final year students were guided for B.PHARMACY PROJECTS.

The details are as follows:

S.No	Name of the Scholar	Research Degree	University	Year	Title of the Research project
1	1. P.Yasaswini 2. G.SriPriyanka 3. K.Asha Jyothi 4. P.N.S.Apurva	B.Pharmacy	Acharya Nagarjuna University	2013	Enhancement of solubility of Nelfinavir Mesylate by using Solid Dispersions and Complexation Techniques
2	1. Appabathula Rajesh 2. Juturu Kartheek 3. Vunnava Neeharika 4. Baki Kavya	B.Pharmacy	Krishna University	2014	Enhancement of solubility of Ritonavir by using Solid Dispersions and Complexation Techniques
3	1. Navya Swathi Motaparathi	B.Pharmacy	Krishna University	2015	Enhancement of solubility of Elvitegravir by using Solid Dispersions and Complexation Techniques
4	1. Navya Reddy Gade 2. Vineetha Marupudi 3. Chavva Girisha	B.Pharmacy	Krishna University	2016	Enhancement of solubility of Zidovudine by using Solid Dispersions and Complexation Techniques
5	1. Vallabhaneni Harshitha	B.Pharmacy	Krishna University	2017	Enhancement of solubility of Carvedilol by using Solid

	<ol style="list-style-type: none"> <li>2. Sembedu Mammutha</li> <li>3. Vattikuti Prathyusha Rama Tulasi</li> </ol>				Dispersions and Complexation Techniques
6	<ol style="list-style-type: none"> <li>1. V.Samanvayee</li> <li>2. K.Ramu</li> </ol>	B.Pharmacy	Krishna University	2018	Development and Evalaution of IVIVC for Lopinavir Mucoadhesive tablets
7	<ol style="list-style-type: none"> <li>1. Nutakki Kavya</li> <li>2. Shaik Saheera Begum</li> </ol>	B.Pharmacy	Krishna University	2019	Enhancement of solubility of Ivermectin by using Solid Dispersions and Complexation Techniques
8	<ol style="list-style-type: none"> <li>1. Boothapati Sudha Rani</li> <li>2. Badiga Venkata Durga SaiPavan</li> <li>3. Chakka Durga Pravallika</li> </ol>	B.Pharmacy	Krishna University	2020	Formulation and Characterization of Liposomal Drug Delivery Systems for Ivermectin
9	<ol style="list-style-type: none"> <li>1. Sanagapalli Neeraja</li> <li>2. Sappa TanyaSri</li> <li>3. Shahanaz Begum</li> <li>4. Shaik Amrin</li> <li>5. Shaik Salma</li> </ol>	B.Pharmacy	Krishna University	2021	Enhancement of solubility of Quercetin by using Solid Dispersions and Complexation Techniques
10	<ol style="list-style-type: none"> <li>1. Mathi Sri Rahul</li> <li>2. Pothuri Aparna</li> <li>3. Anuhya Acchi</li> <li>4. Abhishiktha Tangirala</li> <li>5. Akumarthi Prasanthi</li> </ol>	B.Pharmacy	Krishna University	2022	<i>In-vitro</i> studies for the Development of Nanoliposomal Atorvastatin

## M.PHARMACY PROJECTS GUIDED BY Dr.D.JYOTHIRMAYEE

Nineteen M.Pharmacy second year students were guided for M.PHARMACY PROJECTS.

The details are as follows:

S.No	Name of the Scholar	Research Degree	University	Year	Title of the Research project
1	Anusha Divi	M.Pharmacy	Acharya Nagarjuna University	2011	Controlled release formulations of Carvedilol- Generic Product Development
2	Naga Malleswara Rao	M.pharmacy	Krishna University	2012	Formulation and Evaluation of soft gelatin capsules of Nelfinavir Mesylate
3	Tummala Harika	M.pharmacy	Krishna University	2013	Studies on Development of immediate release soft gelatin liquid fill formulations of paracetamol
4	K.Venkat Vardhan Reddy	M.pharmacy	Krishna University	2014	Development of immediate release liquid fill formulations for Soft Gels of Sumatriptan Succinate
5	Rangani Vasumathi	M.pharmacy	Krishna University	2015	Formulation and evaluation of liquid fill formulations for soft gels of lopinavir and Ritonavir
6	Nunna Sravya	M.pharmacy	Krishna University	2015	Formulation and evaluation of liquid fill formulations for soft gels of Elvitegravir
7	Junjunuri Mary Hyma	M.pharmacy	Krishna University	2016	Formulation and evaluation of liquid fill formulations for soft gels of Lamivudine
8	Burla Harshini	M.pharmacy	Krishna	2016	Formulation and evaluation

			University		of Zidovudine liquid fill formulations for soft gels
9	Tungala Surekha	M.pharmacy	Krishna University	2017	Formulation and evaluation of Carvedilol liquid fill formulations for soft gels
10	Maddukuri Sowmya	M.pharmacy	Krishna University	2017	Formulation and evaluation of Atenolol liquid fill formulations for soft gels
11	Rekapalli Neelima Devi	M.pharmacy	Krishna University	2017	Formulation and <i>in-vitro</i> evaluation of Gastroretentive Oral Controlled release mucoadhesive tablets of Lopinavir
12	Kolluru Padmaja Rani	M.pharmacy	Krishna University	2018	Preparation and Evaluation of Soft Gelatin liquid fill formulations of Lopinavir
13	Komati Raj Kumar	M.pharmacy	Krishna University	2018	Development and Evaluation of Controlled Release Matrix Tablets of Lopinavir
14	Kurra Venkata Siva Naga Sai Sruthi	M.pharmacy	Krishna University	2018	Development and Evaluation of Mucoadhesive Tablets of Lamivudine
15	Aluru Bhavana Chowdary	M.pharmacy	Krishna University	2019	Preparation and Characterization of Liquid Fill Formulations for Soft Gelatin Capsules of Amlodipine Besylate
16	G.HimaUdayaSree	M.pharmacy	Krishna University	2019	Formulation and Characterization of Liposomes for Ambrisentan
17	Mokkapati Chandana	M.pharmacy	Krishna	2019	Preparation and

			University		Characterization of Liquid Fill Formulations for Soft Gelatin Capsules of Atorvastatin
18	D.K.Priyanka	M.pharmacy	Krishna University	2020	Formulation and Characterization of Phytosomal Drug Delivery System for Quercetin
19	S.Sai Ramya	M.pharmacy	Krishna University	2020	Formulation and Evaluation of Liposomal Drug Delivery of Atorvastatin
20	Yaswanth Venigalla	M.pharmacy	Krishna University	2022	IVIVC studies on Atorvastatin liposomes
21	Kiran Kumar Arepalli	M.pharmacy	Krishna University	2022	IVIVC studies on Quercetin Phytosomes

### Expertise

I have hands-on experience with analytical instruments such as High Performance Liquid Chromatography (HPLC), Fourier Transform Infrared Spectroscopy Studies (FT-IR), X-ray Diffraction(X-RD), Differential Scanning Calorimetry(DSC), Scanning Electron Microscopy(SEM), Phase Contrast Microscopy, Digital Holographic Microscope (DHM), Optical Coherence Tomography(OCT) etc. Also able to interpret the spectral data of Ultraviolet-Visible Spectrophotometer, FT-IR, Nuclear-Magnetic Resonance Spectrometer(NMR), DSC, SEM, Phase Contrast Microscopy, DHM, OCT.

I got experience on preparation of liquid fill formulations for soft gelatin capsules in the formulation of suspensions, emulsions, nanoliposomes by two different methods solvent injection method and thin layer film hydration technique. I can prepare lecithin from egg-yolk in house, can handle orbital shaker, sonicator, vortexer, cyclomixer, magnetic stirrer, freeze-dryer, Olympus phase contrast microscope, ultracentrifuge, Olympus vertical scanning laser confocal microscope LEXT OLS 4000, Hitachi TM-3000 table-top scanning Electron Microscope, dissolution apparatus, Double beam UV-VIS spectrophotometer.

### JOB SKILLS:

- **Experience in teaching** the following subjects

Physical Pharmaceutics-I and II, Industrial Pharmacy, Biopharmaceutics and Pharmacokinetics, Drug regulatory affairs, Computer-aided drug development, Novel drug delivery, Advanced Drug Delivery systems- I and II, Pharmacology-I, Biochemistry, Pharmaceutical Analysis-I and II, Preformulation, Advanced Biopharmaceutics, Intellectual property rights for B.Pharmacy, Pharm.D, M.Pharmacy course for 15 years.

- **Twelve years of Research experience** in formulation, characterization of nanoliposomes, soft gelatin capsules, mucoadhesive tablets and detailed knowledge on FDA and ICH guidelines. Also has expertise in the product development process for various novel drug delivery systems.
- **Trained Industry Personnel** on various technologies such as soft gelatin technology, nanoliposomes.
- **Research experience** on medical imaging-Optical coherence tomography, Lymphatic imaging
- Hands-on experience on various preclinical and analytical equipment along with their interpretation
- Pharmaceutical development support for IND and NDA filings
- **Preclinical Evaluation**
- **Good communication skills, strong teamwork skills**
- Computer skills, MS Office, Proficient with Microsoft Word, Excel, Powerpoint, Data analysis
- Computational biostatistics, data management, statistical analysis, and ATLAS.ti software
- Gastroplus PBPK and PBBM modeling and simulation
- Mechanistic simulation models such as ACAT models
- Clinical data collection and management
- Strong mathematical skills, problem-solving, and adaptability
- Experience in distinguishing between population and samples, population parameters, and sample statistics
- computing mean, variance, the standard deviation in population and samples

### **Professional Membership**

1. Life Member: **Association of Pharmacy Teachers of India-APTI**(AP/LM-1130)
2. Pharmacy Council of India (PCI)

3. Registered Pharmacist (Andhra Pradesh State Pharmacy Council of India-A<sub>1</sub> 71077)
4. **American Association of Pharmaceutical Scientists-AAPS** (Member ID-234391, 2014-2019)

### **Interaction with outside world**

#### **Few Selected- Training Programmes/Webinars/Seminars/Workshops/Conferences Attended**

1. Attended **One week Online Training program** on Intellectual Property Rights organized by Rajiv Gandhi National Institute of Intellectual Property Management, **Ministry of Commerce and Industry, Government of India**, from 18<sup>th</sup> to 22<sup>nd</sup> July 2022.
2. Trained the students for the exhibits at **PHARMA AND PLANT EXPO-2022**, held by KVSR Siddhartha College of Pharmaceutical Sciences, Vijayawada, March 29<sup>th</sup>,30<sup>th</sup> 2022.
3. **Expert Lecture delivered to Industry personnel** on “**Nanoliposomes-Targeted Drug Delivery**” at Hetika Pharmaceuticals as a part of **PROPEL 2022-2023**, Annual Budget Meet held at Manjeera Trinity Corporate, Hyderabad, March 27<sup>th</sup> to 29<sup>th</sup> March 2022.
4. **Training offered to Industry personnel** on “**Soft Gelatin Technology**” at Hetika Pharmaceuticals as a part of **PROPEL 2022-2023**, Annual Budget Meet held at Manjeera Trinity Corporate, Hyderabad, March 27<sup>th</sup> to 29<sup>th</sup> March 2022.
5. **Successfully trained 300 students from 25 different pharmacy colleges** from Andhra Pradesh and Telangana on preparing nanoliposomes for targeted drug delivery at the National workshop on Targeted Drug Delivery:Novel Approaches and Practical Insights, organized by KVSR Siddhartha College of Pharmaceutical Sciences, Department of Pharmaceutics and Biotechnology in association with Siddhartha Pharma Innovation and Incubation Centre, Vijayawada, March 19<sup>th</sup>, 2022.
6. Successfully participated in Intellectual Property Training Programme as a part of **National Intellectual Property Awareness Mission (NIPAM)**, Organized by **Intellectual Property Office, Ministry Of Commerce And Industry, Department for Promotion of Industry and Trade, Office of The Controller General of India, Designs and Trademarks, Government of India**, February 12, 2022.
7. Participated in One week Online International Faculty Development Programme, on “**Recent Advances in Science and Technology Innovations,**” Organized by Department of Pharmaceutics, Vishnu Institute of Pharmaceutical Education and Research, in collaboration with ICAR-IARI and IPA Held from 18-01-2022 to 22-01-2022.



8. Coordinated Two day Stakeholder Meeting/Workshop organized by Department of Community and Family Medicine, AIIMS, Mangalagiri funded by UNICEF as a part of PARC project, September 19, 20 of 2021.
9. Participated in Dissemination and Consultation Workshop on “All In Assessment of Adolescent HIV In Andhra Pradesh,” Organized by **Andhra Pradesh State Aids Control Society (APSACS)**, Government of India, in association with Ministry of Health and Family Welfare Vijayawada 29 September 2021.
10. Participated in “The Paramarsh guest lecture” under **UGC-Guest lecture** on Awareness programme for NAAC accreditation process, organized by Prasad V.Potluri Siddhartha institute of technology-June 17 to June 20 of year 2020.
11. Attended “Prajwala- On contemporary issues in pharmaceutical regulatory affairs” organized by Hindu college of pharmacy- June 25 to June 28 of year 2020.
12. Attended webinar on “Recent advances in antiviral drug discovery and development” organized by IQAC cell, KVSR Siddhartha college of pharmaceutical sciences, in association with Antiviral research society on 9/7/2020.
13. Attended SPIIC webinar on “Development and validation of LCMS-MS method for quantification of drugs in mouse brain tissue” organized by KVSR Siddhartha college of pharmaceutical sciences, in association SPIIC on 25/7/2020.
14. Attended one day International webinar on “Advances in translational cancer research and therapeutics” organized by department of biosciences and biotechnology, Krishna University, 25/7/2020.
15. Participated as a Moderator in one week virtual International FDP on “Advances in pharmaceutical sciences: research and practice organized by IQAC cell, KVSR Siddhartha college of pharmaceutical sciences-July 27 to Aug 1 of 2020.
16. Attended one day workshop on “Need and road ahead for institutions” organized by **MHRD’s Innovation cell**, IQAC, Vignan’s Pharmacy college, Vignan’s Lara Engineering college, Vadlamudi, on November 9<sup>th</sup> 2019.
17. Participated in UGC sponsored International Seminar on “Pharmaceutical Nanosystems-Novel Approaches and Applications,” organized by University College of Pharmaceutical Sciences, Acharya Nagarjuna University, March 22<sup>nd</sup> and 23<sup>rd</sup> 2018.
18. Participated in National Seminar on “3D Printing of Pharmaceuticals,” organized by Department of Pharmaceutics, Hindu College of Pharmacy, February 23<sup>rd</sup> 2018.

19. Participated and presented a Scientific Paper at 68<sup>th</sup> **INDIAN PHARMACEUTICAL CONGRESS**, held at Andhra University, Visakhapatnam, with the theme "Quality Pharmaceuticals and Patient Welfare," 16-18 December 2016
20. Participated and presented a Scientific Paper in National Seminar "INNOVATION IN PHARMACY SCIENCES, PRACTICE AND RESEARCH," organized by Indian Pharmaceutical Association, Rajahmundry local branch and IPA, Mumbai, hosted by M.A.M. College of Pharmacy, Narasaraopet, Guntur district on 7<sup>th</sup>, 8<sup>th</sup> November 2015.
21. Attended a training programme "**Product Orientation And Onsite Training Programme**" On **Truven Health Analytics-Micromedex**, Organized by Chebrolu Hanumaiah Institute of Pharmaceutical Sciences in association with IPA Education Division on 10<sup>th</sup> July 2015.
22. Successfully completed a certificate Course in "**Fundamentals, Principle and Applications of HPLC**" Organized by Department of Chemistry, Siddhartha College of Arts and Science from 27-01-2015 to 13-02-2015.
23. Participated and presented a scientific Paper as a Delegate in One day National Conference on **Re-Visioning Pharmacy Education And Research: Contemporary Issues And Future Strategies**," held at Sri Siddhartha Pharmacy College, NUZVID In collaboration with Krishna University, Machilipatnam, Andhra Pradesh, March 16, 2014.
24. Participated in the seminar on the "Role of Chemistry in Drug Discovery," conducted by Royal Society of Chemistry, London-Deccan Section, Hyderabad and Krishna University, Andhra Pradesh, 6<sup>th</sup> July 2013.
25. Participated in APSCHE sponsored National Seminar on "DRUG REGULATORY AFFAIRS AND QUALITY ASSURANCE," organized by Acharya Nagarjuna University, College of Pharmaceutical Sciences, 8<sup>th</sup> February 2013.
26. Participated and presented a scientific Paper as a Delegate in **National Convention on "Vibrant Pharma: Opportunities and Challenges in the New Era,"** Organized at Sri Siddhartha Pharmacy College, NUZVID on March 24, 2012.
27. Successfully participated in the workshop on "**RECENT ANALYTICAL METHODS**" Organized by Department of Chemistry, P.B.Siddhartha College of Arts and Science from 22<sup>nd</sup> and 23<sup>rd</sup> July 2011.

#### **Selected Scopus Indexed-Oral/Poster Presentations presented**

1. **Novel Nanoliposomal Ivermectin for Lymphatic Filariasis.** Sarvani Kopuri, Sai Reshma Emmadisetty, Devineni Jyothirmayee **WON SECOND PRIZE IN POSTER**

**PRESENTATION SESSION** at National Conference on “Current Advances in Pharmaceutical Research and Innovations in Pharmaceutical Industry” with Theme “Exploring the recent trends and advances in the field of Pharma Research and Innovations in Industry,” organized by University College of Pharmaceutical Sciences and Research, Krishna University, Machilipatnam on July 7th and 8th of 2022.

2. **Phytosomes of Quercetin-Formulation and Characterization.** Shaik Almas, Devineni Jyothirmayee at National Conference on “Current Advances in Pharmaceutical Research and Innovations in Pharmaceutical Industry” with Theme “Exploring the recent trends and advances in the field of Pharma Research and Innovations in Industry,” organized by University College of Pharmaceutical Sciences and Research, Krishna University, Machilipatnam on July 7th and 8th of 2022.
3. **Targeted and Novel Niosomal Drug Delivery System for Ambrisentan.** Surra Lahari, Devineni Jyothirmayee at National Conference on “Current Advances in Pharmaceutical Research and Innovations in Pharmaceutical Industry” with Theme “Exploring the recent trends and advances in the field of Pharma Research and Innovations in Industry,” organized by University College of Pharmaceutical Sciences and Research, Krishna University, Machilipatnam on July 7th and 8th of 2022.
4. **Carvedilol Soft Gelatin Capsules for Faster Onset of Action.** Sri Rahul Mathi, Devineni Jyothirmayee at National Conference on “Current Advances in Pharmaceutical Research and Innovations in Pharmaceutical Industry” with Theme “Exploring the recent trends and advances in the field of Pharma Research and Innovations in Industry,” organized by University College of Pharmaceutical Sciences and Research, Krishna University, Machilipatnam on July 7<sup>th</sup> and 8<sup>th</sup> of 2022.
5. **Development and Characterization of Novel Nanoliposomes for Atorvastatin.** Anuhya Acchi, Aparna Pothuri, Devineni Jyothirmayee at National Conference on “Current Advances in Pharmaceutical Research and Innovations in Pharmaceutical Industry” with Theme “Exploring the recent trends and advances in the field of Pharma Research and Innovations in Industry,” organized by University College of Pharmaceutical Sciences and Research, Krishna University, Machilipatnam on July 7<sup>th</sup> and 8<sup>th</sup> of 2022.
6. **Novel Soft Gelatin Capsules of Atorvastatin.** Abhishiktha Tangirala, Devineni Jyothirmayee at National Conference on “Current Advances in Pharmaceutical Research and Innovations in Pharmaceutical Industry” with Theme “Exploring the recent trends and advances in the field of Pharma Research and Innovations in Industry,” organized by

University College of Pharmaceutical Sciences and Research, Krishna University, Machilipatnam on July 7<sup>th</sup> and 8<sup>th</sup> of 2022.

7. **Development of Novel Formulations of Atorvastatin.** Yaswanth Venigalla, Kiran Kumar Arepalli, **Jyothirmayee Devineni** at UGC sponsored National Seminar on “Nanosystems for Targeted Drug Delivery”, organized by University College of Pharmaceutical Sciences, Acharya Nagarjuna University, Guntur, on March 29<sup>th</sup>, 30<sup>th</sup> of 2022.
8. **Novel Formulations of Carvedilol for Faster Onset of Action.** Prasanthi Akumarthi, Jahnvi Sri Mutte, **Jyothirmayee Devineni** **WON SECOND PRIZE IN POSTER PRESENTATION SESSION** at UGC sponsored National Seminar on “Nanosystems for Targeted Drug Delivery”, organized by University College of Pharmaceutical Sciences, Acharya Nagarjuna University, Guntur, on March 29<sup>th</sup>, 30<sup>th</sup> of 2022.
9. **Formulation and Characterization of Ambrisentan liposomal liquid fill formulation for soft gelatin capsules.** D.K.Priyanka, Devineni Jyothirmayee-**WON SECOND PRIZE IN ORAL PRESENTATION SESSION** at the National Seminar on “Prospectives of bioanalytical techniques in drug discovery and development” organized by Department of analysis, at V.V.Institute of pharmaceutical sciences, Gudlavalleru, Andhra Pradesh on January 8 of 2020.
10. **Formulation and Characterization of Ivermectin Liposomal Drug Delivery System for lymphatic filariasis.** D.K.Priyanka, Devineni Jyothirmayee-**WON FIRST PRIZE IN ORAL PRESENTATION SESSION** at UGC sponsored national seminar on “Recent trends in nanoscience and nanotechnology-2020, conducted at Department of nanotechnology, University college of pharmaceutical sciences, Acharya Nagarjuna University, Guntur, Andhra Pradesh on January 30 and 31 of 2020.
11. **Formulation and Characterization of Liposomal Drug Delivery System for Ambrisentan.** D.K.Priyanka, G.Himadayasree, Devineni Jyothirmayee-**WON FIRST PRIZE IN POSTER SESSION** at 17<sup>th</sup> Indo-African conference on “Global challenges and innovations in pharmaceutical sciences” conducted at Sri Vasavi Institute of pharmaceutical sciences, Tadepalligudem, Andhra Pradesh on September 7 of 2019.
12. Attended and presented scientific poster “**Development and in-vitro Evaluation of gastroretentive dosage forms of Lamuvudine,**” at 17<sup>th</sup> Indo-African Conference held at Sri Vasavi institute of Pharmaceutical sciences on 7<sup>th</sup> September 2019.
13. **Preparation and characterization of liquid fill formulations for soft gelatin capsules of atorvastatin.**S.Sai Ramya M.Chandana **Devineni Jyothirmayee.** at 17<sup>th</sup> Indo-African Conference held at Sri Vasavi institute of Pharmaceutical sciences on 7<sup>th</sup> September 2019.

14. Presented a Scientific Paper “**Preparation and characterization of liposomes of nucleic acid constructs for gene therapy.**” Ch.Durga Pravallika B.Sudha Rani **Devineni Jyothirmayee.** at **Innovate-O-Thon-for better future**, held at KVSR Siddhartha college of pharmaceutical sciences, 21/11/2019
15. **Formulation and Characterization of Ambrisentan Liposomal liquid fill formulations for soft gelatin capsule**, D.K.Priyanka, G.Hima Udayasree and D.Jyothirmayee, Indian Pharmaceutical Congress, Chennai presented on December 18<sup>th</sup> and 19<sup>th</sup> of 2019.
16. **Formulation and Evaluation of liquid fill formulations for Soft Gelatin Capsules of Carvedilol.** G.HimaUdayasree, M.Chandana, **DevineniJyothirmayee-WON FIRST PRIZE IN POSTER SESSION** at National Seminar conducted on “Modern technologies in drug design, development, and evaluation-the next era,” at Adithya Pharmacy College, Surampalem, Andhra Pradesh on November 23 and 24, 2018.
17. **Development and *in-vitro* Evaluation of gastroretentive dosage forms of lopinavir through the strategy of mucoadhesion.** M.chandana, **Devineni Jyothirmayee-WON FIRST PRIZE IN POSTER SESSION** at National Conference conducted on “New frontiers and conceptual advances in pharmaceutical sciences,” in association with IPA at V.V.Institute of pharmaceutical sciences, Gudlavalleru, Andhra Pradesh on December 28 2018.
18. **Formulation and evaluation of Elvetegravir liquid fill formulations for soft gels.** Soundarya Puranam, Nunna Sravya, **Devineni Jyothirmayee.** Participated and presented a Scientific Paper at 68<sup>th</sup> **INDIAN PHARMACEUTICAL CONGRESS**, held at Andhra University, Visakhapatnam, with the theme “Quality Pharmaceuticals and Patient Welfare,” 16-18 December 2016.
19. **Formulation and evaluation of lopinavir and Ritonavir liquid fill formulations for soft gels.** Mary Hyma, Vasumathi, **Devineni Jyothirmayee** Participated and presented a Scientific Paper in National Seminar “**INNOVATION IN PHARMACY SCIENCES, PRACTICE AND RESEARCH,**” organized by Indian Pharmaceutical Association, Rajahmundry local branch and IPA, Mumbai, hosted by M.A.M. College of Pharmacy, Narasaraopet, Guntur district on 7<sup>th</sup>, 8<sup>th</sup> November 2015.
20. **“BEST SESSION PAPER AWARD”** for “**Novel dosage forms of nelfinavir mesylate-Soft gelatin capsules**” at International Conference on Bioscience, Biochemistry and Pharmaceutical Sciences held at **Singapore** February 11<sup>th</sup> and 12<sup>th</sup>, 2014.

21. Presented a Scientific Oral Paper Presentation “Mucoadhesive Dosage Forms of Nelfinavir Mesylate,” at International conference on medical, biological, and pharmaceutical Sciences ICMBPS, held at **Abu Dhabi**, March 2014.
22. **BEST POSTER AWARD** for my presentation “Antiretrovirals-novel dosage forms,” at the national level workshop on “Role of intellectual property in Biopharma industries” organized by Vijaya Institute of Pharmaceutical Sciences, Enikepadu, March 1 and 2 of 2013.
23. **BEST ORAL PRESENTATION AWARD** for my other part of Doctoral work “Formulation and Evaluation of Controlled-release formulations (Gastroretentive) of Nelfinavir Mesylate” at the national seminar on “Discovery, Strategies challenges in Pharmaceutical Harmonization,” organized by Vignan Pharmacy College, Guntur, Andhra Pradesh, December 21<sup>st</sup> and 22<sup>nd</sup> of 2012.
24. **SECOND BEST ORAL PRESENTATION AWARD** for the presentation on novel dosage forms of Nelfinavir Mesylate at **UGC** (University Grants Commission, Government of India) sponsored seminar on “Innovative research and Development in pharmaceutical sciences-current scenario and new horizons,” organized by University College of pharmaceutical sciences, Acharya Nagarjuna University, Guntur, Andhra Pradesh, November 9<sup>th</sup> and 10<sup>th</sup> of 2012.

**My key Contributions in the Project “Establishment of Paediatric and Adolescent Resource Center for HIV in Andhra Pradesh,” AIMS Mangalagiri (PARC) with the support of UNICEF**

1. Took major part in the success of **Stakeholders Workshop** conducted in the month of September 2021 with experts and program persons to understand the need for the new initiative, and inputs and learnings were taken to plan for a robust PARC.
2. Coordinated with **NTR University of Health Sciences, Andhra Pradesh State Aids Control Society (APSACS), National Aids Control Organization, Ministry of Health and Family Welfare, Integrated Child Development Services (ICDS), Integrated Counselling and Testing Centres (ICTC), Antiretroviral Therapy Centres (ART), RKSK- Rashtriya Kishor Swasthya Karyakram, Govt of India** for the success of the project.
3. Sample Data collection through structured and semi-structured interviews were monitored in six districts- Visakhapatnam, Vizianagaram, Kadapa and Kurnool; and two districts with high HIV prevalence, Guntur and Krishna with the help of Health system following **APSACS** guidelines and protocols on confidentiality & rules and regulations of **UNICEF** and **AIMS Mangalagiri**.
4. The challenges of the existing programmes such as side effects of ART at the field level were carefully incorporated into the project

5. **The clinical data and other Opportunistic infections data of ALHIVs** (Adolescent living with HIV) were carefully studied for productive PARC outcome
6. Discussions were conducted with stakeholders such as ART centers, ICTCs, PLHIV Network members, NGOs operating in the field in the areas of outreach, testing, and treatment support, to understand and assess the need for adolescent services in HIV Program.
7. **Key contribution is Quantitative and Qualitative analysis on entire PARC Project. The Excel sheet graphs were plotted. Different softwares such as ATLAS Ti were executed for the analysis.**
8. Based on the quantitative and qualitative analyses, a draft report is being collated. The establishment of Adolescent Resource Center at AIIMS Mangalagiri is initiated which is very useful and effective for reaching out to Adolescent HIV patients (ALHIVs) in Andhra Pradesh.

## **SOCIAL SERVICE**

1. Actively coordinated with few NGOs (Non-Government Organization) such as **SAATHI, POSITIVE NETWORK, VAASAVYA MAHILA MANDALI**, for the improvement of existing Adolescent HIV programmes.
2. Actively contributed in bringing free counselling services on AIDS at AIIMS, Mangalagiri for Adolescents.
3. Donated blood several times to the needy.
4. Participated in National programmes, Hackathons, Awareness camps.
5. Volunteered several awareness camps for counselling Adolescents on anaemia, AIDS.
6. Collected food for the needy during COVID pandemic.
7. Actively involved in charitable events to provide food for migrant workers.
8. Actively involved in providing medicines during COVID pandemic at AIIMS, Mangalagiri.

## **REFERENCES**

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I hereby declare that the above information is true to the best of my knowledge and belief.

Date : 14-07-2022

Station : Vijayawada

Signature

(Dr.D.Jyothirmayee)