

FACULTY DETAILS

- I. **Name:** Dr. Sobitha Rani. Pedireddi
- II. **Designation:** Associate Professor
- III. **Date of Joining:** 03/08/2021
- IV. **Date of Birth:** 10/05/1984
- V. **Email Id:** sobhitarani@gmail.com
- VI. **Educational Qualification:**



1. **B. Pharm:** (68%) JUNE 2007 from Andhra University, Visakhapatnam, Andhra Pradesh, India.
2. **M. Pharm:** (73%) APRIL 2009 from Acharya Nagarjuna University (Hindu College of Pharmacy), Guntur, Andhra Pradesh, India.

Specialization: Pharmaceutics.

3. **Ph.D.:** January 2021 from Andhra University, Visakhapatnam, Andhra Pradesh, India.

Title of Ph.D. thesis: Studies on Formulation & Evaluation of Quercetin & Voriconazole Cyclodextrin Nanosponge Gels for Topical Delivery.

VII. International Publications:

1. Published an article entitled “Floating Drug Delivery Systems: A Review” in **Research and Reviews in Biosciences**, June 2009, Vol 3, Issue 2. (ISSN: 0974-7532, Impact factor: 1.44)
2. Published an article entitled “Basics and Potential Applications of Surfactants: A Review” in **International Journal of Pharma Tech Research**, Vol.1, No.4, pp 1354-1365, Oct-Dec 2009. (ISSN: 0974-4304)
3. Published an article entitled “Formulation and Evaluation of Immediate Release Tablets of Atazanavir” in **International Journal of Pharmaceutical Sciences Review & Research**. 24(2), Jan – Feb 2014; 119-123. (eISSN: 0976-044x, Impact factor: 0.65)
4. Published an article entitled “Formulation and Evaluation of HPMC and Psyllium Husk based floating tablets of Curcumin for Ulcer” in **Journal of Advanced Pharmacy Education and Research**, Jan-Mar 2014, Vol 4, Issue 1. (ISSN-2249-3379, Impact factor: 0.35)
5. Published an article entitled “Development and In-Vitro Drug Release Studies of Satranidazole Capsules for Colon Specific Drug Delivery” in **Asian Journal of Pharmaceutical and Clinical Research**. Vol 7, Issue3, 2014. (Print ISSN- 0974-2441, Online ISSN- 2455-3891, Impact factor: 0.40)
6. Published an article entitled “Formulation and Evaluation of Metronidazole Enteric Coated Tablets for Colon Targeting” **International journal of pharmacy and pharmaceutical research**. 2015; Vol. 3 (2): 78-92. (ISSN: 2379-7203, Impact factor: 5.016)
7. Published an article entitled “Formulation development and Evaluation of Press Coated tablets of Montelukast Sodium” **An International Journal of Advances in Pharmaceutical Sciences**, 2015; Vol 6(4); 2920-2923. (eISSN: 2231-0541)

8. Published an article entitled "Formulation and Evaluation of Buccal Tablets of Propranolol for Immediate release" **World journal of pharmacy and pharmaceutical sciences**, 2016; Vol. 5(4): 1211-1222. (ISSN: 2278-4357, Impact factor: 7.632)
9. Published an article entitled "Formulation and Evaluation of Fast Dissolving Tablets of Perindopril using natural and synthetic Super disintegrants" **International journal of pharmacy and pharmaceutical sciences**, 2016; Vol 3(3): 14-18. (ISSN: 0975 - 1491, Impact factor: 0.51)
10. Published an article entitled "Design and Characterization of Floating Microspheres of Famotidine" **Indo-American journal of pharmaceutical sciences**, 2016; Vol 3(3); 209-218. (ISSN: 2349-7750, Impact factor: 0.437)
11. Published an article entitled "Solubility enhancement of poorly soluble drug Simvastatin by Solid Dispersion Technique" **International Journal for Research in Biology & Pharmacy Research**, 2016, Vol 2(1); 44-50. (Impact factor: 1.34)
12. Published an article entitled "Formulation and Evaluation of Sustained Release Matrix Tablets of Glipizide" **International journal of pharmacy and pharmaceutical sciences**, 2016; Vol 3(2): 1-4. (ISSN: 0975 - 1491, Impact factor: 0.51)
13. Published an article entitled "Beneficial effects of microwave assisted heating versus conventional heating in synthesis of cyclodextrin based nanosponges" **Materials Today: Proceedings** 3 (2016) 3951-3959. (ISSN: 2214-7853, Impact factor: 1.24)
14. Published an article entitled "Differential Properties of Nanoporous Nanosponges Prepared from α -Cyclodextrin and 2-Hydroxypropyl β -Cyclodextrin" **Advance Science Engineering and medicine**, Vol. 11, 1–12, 2019. (ISSN: 2164-6627 (print); EISSN: 2164-6635 (online))
15. Published an article entitled "Investigation on dissolution pattern and mathematical modelling of drug release of quercetin by complexation with cyclodextrin nanosponges" **Asian journal of pharmaceutical and clinical research**, 2019, 12(5): 260-64. (Print ISSN- 0974-2441, Online ISSN- 2455-3891, Impact factor: 0.40)
16. Published an article entitled "Preparation, physical characterization, and pharmacokinetic study of docetaxel nanocrystals" **AJPCR**, 2019, 12(6): 1-7. (Print ISSN- 0974-2441, Online ISSN- 2455-3891, Impact factor: 0.40)
17. Published an article entitled "Optimization of reaction parameters for synthesis of Cyclodextrin nanosponges in controlled nanoscopic size dimensions" **Journal of Polymer Research**, <https://doi.org/10.1007/s10965-019-1754-0>. (ISSN: 1022-9760, Impact factor: 3.097)

VIII. National Publications:

1. Published an article entitled "Formulation & Release Characteristics of HPMC Matrix Tablets of Metoprolol Succinate" in **International Journal of Pharmaceutical Sciences and Research**, 2012, Vol 3, Issue 4. (ISSN (Online): 0975-8232, ISSN (Print): 2320-5148, Impact factor: 0.533)
2. Published an article entitled "Enhancement of bioavailability of atorvastatin and fenofibrate Combination using solid dispersion technique" in **International Journal of Pharmaceutical Sciences and Research**, 2014; Vol. 5(9): 3713-3725. (ISSN (Online): 0975-8232, ISSN (Print): 2320-5148, Impact factor: 0.533)

3. Published an article entitled “Compatibility studies between paclitaxel and excipients in the preformulation phase of nanocrystal formulation” **International Journal of Pharmaceutical Sciences and Research**, 2019, 10(8): 1000-08. (ISSN (Online): **0975-8232**, ISSN (Print): **2320-5148**, Impact factor: **0.533**)
4. Published an article entitled “Solubility Enhancement of poorly soluble drug Ezetimibe by Solid Dispersion Technique” in **Journal of Pharmaceutical Education and Research**, Vol 4, No 2, Jul-Dec 2013.

IX. National Conferences:

1. Presented a poster on “**ENZYME IMMOBILIZATION**” & “**VALIDATION OF UV-WAVELENGTH SCALE OF SPECTROPHOTOMETER**” in “First Annual Convention of Association of Biotechnology and Pharmacy” And “National Seminar on Pharmacy and Biotechnology – Prospects and Perspectives” Held at **Chebrolu Hanumaiah Institute of Pharmaceutical Sciences**, Guntur, and Andhra Pradesh.
2. Presented a poster on “**RESEALED ERYTHROCYTES**” & “**MICRO-ENCAPSULATION TECHNIQUES**” in “National seminar on Role of Pharmacy Education in Scientific, Regulatory and Social Frontiers” Held at **Hindu College of Pharmacy**, Guntur, and Andhra Pradesh.
3. Presented an oral presentation on “**A NOVEL APPROACH TO TARGET CANCER BY BIO-BARCODED GOLD NANOPARTICLES**” in “National seminar on Role of Pharmacy Education in Scientific, Regulatory and Social Frontiers” Held at **Hindu College of Pharmacy**, Guntur, and Andhra Pradesh.
4. Presented a paper in 15th Annual national convention of **APTI-2010** during 2nd – 3rd November 2010 held at Shilpakala vedika, Hyderabad.
5. Presented a poster on Innovations in Pharmaceutical Research held at **G. Pulla Reddy Pharmacy College** from 23rd Aug 2014.
6. Presented a poster on Global carrier opportunities for Pharmacist-Need for skill upgradation held at **Malla Reddy Institute of Pharmaceutical Sciences**, Hyderabad, 7th -8th Nov 2014.
7. Presented a poster entitled “**Solid Lipid Nanoparticles: A Review**” at a National conference in “**RIPE 2015**” organised in association with APTI held at Institute of Pharmaceutical Sciences, JNTUH, Hyderabad from 13th – 14th March 2015.
8. Presented a poster on Need for Paradigm Shift in pharmaceutical care and role of clinical Pharmacist in Indian hospitals held at **Malla reddy Group of Institutions**, Hyd, 1st Aug 2015.
9. Presented a poster on “**Cyclodextrin-Based Nanosponges of Quercetin: Physicochemical Characterization, Photostability and Antioxidant Effects**” at a National conference in “**CORE 2016**”, JNTUH, Hyderabad from 11th – 12th March 2016.
10. Presented a poster on “**Development and Characterization of Gefitinib Loaded B - Cyclodextrin Nanosponges**” at a National conference in “**TIPS 2016**”, JNTUH, Hyderabad from 18th – 19th July 2016.
11. Presented an e-poster on “**Influence of degree of crystallinity of CDNS on drug loading & release characteristics**” held at **Shri Vishnu College of Pharmacy**, Bhimavaram from 22nd -23rd July 2016.

12. Presented an e-poster on **“Quercetin CDNS gel for topical delivery”** held at **Malla Reddy group of Institutions**, Hyd, 6th-7th Jan 2017.
13. Presented a poster on **“Parabolic response surface platform- a data analysis method to identify the drug combinations work synergistically for Tuberculosis therapy”** held at **Shri Venkateswara College of Pharmacy** from 23rd-24th March 2017.
14. Presented an oral on **“Risk management applications in pharmaceutical and biopharmaceutical manufacturing”** held at **Vijaya College of Pharmacy** on 16th March 2018.
15. Presented a poster entitled **“Preparation and characterization of novel Nanoporous materials for enhanced solubility of a model drug”** held at **Andhra University, Visakhapatnam** held on 14th July 2018.
16. Presented an oral on **“Regulations of Clinical trials in India”** held at **Vijaya College of Pharmacy** from 3rd – 5th January 2019.
17. Presented a poster on **“Enhancement of dissolution profile of quercetin using CDNS by inclusion complex formation”** held at **Sultan Ul Uloom College of Pharmacy** during 1st and 2nd February 2019.
18. Presented a poster entitled **“Optimization of reaction parameters for synthesis of Cyclodextrin nanosponges in controlled nanoscopic size dimensions”** held at **Prime College of Pharmacy, Kerala** on 23rd February 2019.

X. International Conferences:

1. Presented a paper in the **“Disaster management infrastructure and control systems”** conducted on 10th – 12th November 2003, Hyderabad.
2. Presented a poster on **“Synthesis of anti-inflammatory, anti-oxidant and anti-bacterial activity of 1-methoxy benzofuran pyrazoline derivatives”** in **Indian pharmacy graduates association, 23rd annual conference** held at Chennai from 4th – 5th November 2006.
3. Presented a poster in **63rd Indian Pharmaceutical Congress** held at Bangalore from 16th -19th December 2011 on **“Formulation and Release Characteristics of Matrix Tablets of Metoprolol Succinate”**.
4. Presented a poster on **“Regulatory Affairs”** at *Indo-American symposium on regulatory affairs* from 18th -20th October 2012 at Jawaharlal Nehru Technological University, Hyderabad.
5. Presented a poster entitled **“Nanosponges in the delivery of Vaccines”** at **OMICS INTERNATIONAL Conference** held on Nov 2nd -4th, 2015 in Hyderabad.
6. Presented a poster on **“Enhancement of dissolution profile of quercetin using cyclodextrin nanosponges by inclusion complex formation”** at **NANO-15** held at **K.S Rangaswamy College of Technology, Thirichengode, India** during 7th -10th Dec 2015.
7. Presented a poster on **“Modern trends in Pharmacy practice”** held at **Malla reddy Group of Institutions, Hyd** 27th Jan 2016.
8. Presented a poster on **“Nanotechnology applied for treatment of cancer”** Cancer in **HPCC** held at Hyderabad 29th Feb 2016.

9. Presented a paper entitled “**Beneficial effects of Microwave assisted heating versus Conventional heating in synthesis of cyclodextrin based Nanosponges**” at ICMRA, CMR technical campus, Hyd from 11th -13th, March 2016.
10. Presented an oral on “**Differential Properties of Nanoporous Nanosponges Prepared from β -Cyclodextrin and 2-Hydroxypropyl β -Cyclodextrin**” held at **Scient Institute of Pharmacy** on 16th March 2019.

XI. Chairperson/Judges/Organizing committee (If any):

1. Worked as Organizing member in “National seminar on Role of Pharmacy Education in Scientific, Regulatory and Social Frontiers” Held at **Hindu College of Pharmacy**, Guntur, and Andhra Pradesh.
2. Worked as organizing member in Need for Paradigm Shift in pharmaceutical care and role of clinical Pharmacist in Indian hospitals held at **Malla reddy Group of Institutions**, Hyd, 1st Aug 2015.
3. Worked as organizing member in “**Emerging trends in Pharmacy practice**” held at **Malla reddy Group of Institutions**, Hyd 27th Jan 2016.
4. Worked as Organizing member in a **two-day national symposium on Ethical and scientific conflicts in animal testing and research – A plausible way out**, held on Hyd, 6th-7th Jan 2017 at Malla Reddy Group of Institutions.
5. Worked as organizing member in the “**National seminar on Impact of biopharmaceutical engineering aspects and its application on human health**” held at **Vijaya College of Pharmacy** on 16th March 2018.
6. Worked as Organizing member in the National seminar on “**Core principles of ICH-GCP guidelines: Program to assure patient safety during clinical trials**” held at **Vijaya College of Pharmacy** from 3rd – 5th January 2019.
7. Participated as a judge in **Dravyaka 2018** held at **Geethanjali College of Pharmacy** during 2nd and 3rd November 2018.
8. Participated as a judge in the National seminar on “**Core principles of ICH-GCP guidelines: Program to assure patient safety during clinical trials**” held at **Vijaya College of Pharmacy** from 3rd – 5th January 2019.

XII. Workshops/FDP (Total number attended & List): 11

1. Participated a national level work shop on “**Advance bio-informatics, drug discovery and clinical research**” during 25th – 26th September 2010, Hyderabad.
2. Participated in the National Level Workshop on “**Hands on Training on Optimization Techniques in Pharmaceutical Formulations**” during 24th-26th February 2011 held at **Gokaraju Rangaraju College of Pharmacy**, Hyderabad.
3. Participated in the **Two Days National Workshop on Advanced Experimental Models in Pharmacological Research Techniques** held at **Scient Institute of Pharmacy**, Hyderabad during 8th & 9th November 2019.
4. Participated in **Two Day Workshop on Women Occupational Health & Safety**, organized by **JNTUH** held during 22nd & 23rd November 2019.

5. Participated and presented a paper in the **Three Day Workshop on Women Empowerment Entrepreneurship: Challenges & Opportunities in Science and Technology**, organized by JNTUH held during 5th – 7th March 2020.
6. Participated as a delegate in **Industry Oriented Faculty Development Programme** organized by **Clinisol Research Pvt. Ltd** during 6th to 8th December 2019.
7. Participated in the **staff development program** in “**Advances in medicinal chemistry**”, **Kakatiya University**, Warangal from 16-04-2010 to 27-04-2010
8. Participated in **UGC sponsored refresher course** on “**Acquiring and improving skills of drug designing to achieve the goals of pharmaceutical research**”, JNTUH, Hyderabad from 22-6-2015 to 11-7-2015.
9. Participated in **UGC sponsored short term course** on “**formulation development of nanoparticles application to Pharma industry**”, JNTUH, Hyderabad from 17th -22nd Aug 2015.
10. Participated **DBT sponsored short term training course** on “**Innovative concepts and new dimensions in pharmaceutical sciences**” during 21st November – 3rd December 2016 conducted by Malla Reddy College of Pharmacy, Hyderabad.
11. Participated in **UGC sponsored short term course** on “**Academia- Industry Collaboration Development for Pharmaceutical Research**”, JNTUH, Hyderabad from 16-9-2019 to 21-9-2019.

XIII. M. Pharm Projects (Total no. of projects): 19

XV. Awards:

1. Qualified for GATE 2007.
2. Qualified in FET 2010.

XVI. Memberships:

1. Registered Pharmacist from Andhra Pradesh State Pharmacy Council with Reg No: **053279/A1**.
2. Life member in Association of Pharmaceutical Teachers of India (APTI) with Membership No: **AP/LM-851**.