

FACULTY DATABASE

Name: Dr. X. FATIMA GRACE

Designation: Professor

Mail Id: fatima.pharm@drmgrdu.ac.in

Area: Pharmaceutics

Affiliation: Faculty of Pharmacy, Dr.M.G.R. Educational and Research Institute, Velappanchavadi, Chennai - 600077



EDUCATION

Sl.No.	Course	Department	Affiliation
1	Ph.D.	Pharmacy	Sri Ramachandra University, Chennai, November 2015
2	PG Diploma	Intellectual Property Rights	Anna University, Coimbatore, August 2008
3	M.Pharmacy	Pharmaceutics	Faculty of Pharmacy, Sri Ramachandra University, June 2007
4.	B.Pharmacy	-	Sri Ramachandra College of Pharmacy, SRMC & RI (DU), April 2005

OTHER DETAILS

- ❖ **Honorary Doctorate in Academic Administration** from St. Andrews Theological University International, UK, February 2020.

COURSES:

ONLINE COURSES

1. Completed a certificate course on **Introduction to patent law- Perspectives on Drug Products and delivery Technologies** from St John Fischer College, Newyork in association with WCEA on 21.02.2018
2. Completed an online certificate course on **Current regulatory requirements for conducting clinical trials in India** from NPTEL, IITM during March 2019
3. Completed an online certificate course on **Basic Life Support** from National Health CareProvider Solutions, Las Vegas, on June 24, 2019

4. Completed an e learning course on **Introduction to Clinical Research from Global Health Network** on June 25, 2019
5. Completed an e learning course on **Ethics and Best Practices in sharing Individual-level research data** from Global Health Network on June 25, 2019
6. Completed an e learning course on **Introduction to Good Clinical Laboratory Practice** from Global Health Network on June 25, 2019
7. Completed an online certificate course on **Stress Management** from NPTEL, IIT Kharagpur during September 2019
8. Completed an online certificate course on **Career edge knockdown the lockdown** offered by TCSiON during May 2020
9. Completed an online certificate course on **Nanorobotics Conducted by School of Life Sciences**, B.S. Abdur Rahman Crescent Institute of Science and Technology, Vandalur, Chennai, India during April 2020
10. Completed WHO elearning course on **Vaccine safety Basics** during April 2020
11. Completed an online certificate course on **Basics of clinical research: clinical operations, data management and medical writing** conducted by QREC Clinical research institute, India on 03.05.2020
12. Completed an online certificate course on **AI for Everyone** offered through Coursera by Stanford University on 06.05.2020
13. Completed online certificate course on **Defeat Covid 19 Be a Champion** offered by GulfMedical University on 09.05.2020
14. Completed online certificate course on **Drug development** offered through Coursera by University of California, San Diego during June 2020
15. Completed online certificate course on **Pharmaceutical and Medical Device Innovations** offered through Coursera by University of Minnesota during July 2020
16. Attended and successfully completed the course on **A practical guide to QbD practical development** offered by APTI during May 2020
17. Attended and successfully completed the course on **Writing Successful Research Grants** offered by APTI during May 2020
18. Completed online certificate course on **Introduction to Data Management** offered by Global Health Network on July 2021.
19. Completed online certificate course on **Logical Reasoning** offered by Great Learning Academy on July 2021

20. Completed online certificate course on **Competency – Based Learning: Introduction** offered by WHO on August 18,2021
21. Completed online certificate course on **Writing Grant proposals** offered by Saylor Academy on October 11, 2021.

Research Interest:

- Design, development and evaluation of natural Bioenhancers
- Development of Novel drug delivery systems
- Development and screening of Herbal drug formulations
- Development and evaluation of Cosmetics

Publications

Published Papers

1. Sujatha K, Chitra K, **Fatima Grace X**, Swapna R, Vasantha J. Colorimetric determination of fluoxetine hydrochloride from its pharmaceutical preparation. The Indian Pharmacist. 2004; 3(27):62-3.
2. Mangathayaru K, Lakshmikant J, Sundar NS, Swapna RG, **Fatima Grace X**, Vasantha J. Antimicrobial activity of *Leucas aspera* flowers. Fitoterapia. 2005; 1; 76(7-8):752-4.
3. Mangathayaru K, **Fatima Grace X**, Bhavani M, Meignanam E, Karna SR, Kumar DP. Effect of *Leucas aspera* on hepatotoxicity in rats. Indian Journal of Pharmacology. 2005; 1; 37(5):329.
4. **Fatima Grace X**, Latha S, Shanthi S, Seethalakshmi S, Chamundeeswari D, Manna PK. Isolation and characterisation of *Cardiospermum halicacabum* mucilage. International Journal of Green Pharmacy. 2011;5(4).
5. Latha S, **Fatima Grace X**, Shanthi S, Chamundeeswari D, Seethalakshmi S, Reddy CU. In vitro antioxidant and anti-inflammatory activity of methanol extract of *Stereospermum colais* (Buch.-ham. ex. dillw). Sri Ramachandra Journal of Medicine. 2011; 4(1):11-4.
6. **Fatima Grace X**, Latha S, Shanthi S, Lakshmi N, Chamundeeswari D. Isolation and preliminary evaluation of *Portulaca quadrifida* mucilage. Journal of Pharmacy Research. 2012; 5(1):505-7.
7. **Fatima Grace X**, Latha S, Shanthi S, Reddy CU. Comparative study of different surfactants for solubility enhancement of two class II drugs for type II diabetes mellitus. International Journal of Pharmacy and Pharmaceutical Sciences. 2012; 4(2):377-9.
8. **Fatima Grace X**, Seenivasan P, Narasimha Rao, Subbarayan H, Umamaheswara Reddy C. Formulation, Development and Evaluation of Pioglitazone Hydrochloride and Glimepiride tablets. Journal of Pharmacy Research. 2012; 5(6), 3008-10.

9. **Fatima Grace X**, Seethalakshmi S, Chamundeeshwari D, Manna PK, Shanthi S, Latha S. Bioenhancer a new approach in modern medicine. Indo American Journal of Pharmaceutical Research. 2013; 3(12):1576-80.
10. Joan Vijetha R, **Fatima Grace X**, Shanmuganathan S, Chamundeeshwari D. Preparation and Evaluation of Polyherbal Shampoo Powder. International Journal of Research in Pharmacy and Science. 2013; 3(3) 60-6.
11. **Fatima Grace X**, Joan Vijetha R, Shanmuganathan S, Shanthi S, Latha S, Role of Herbs in Treatment of Rheumatoid Arthritis. American Journal of Pharm Tech Research. 2014; 4(1), 224-35.
12. Shanthi S, Seethalakshmi S, Chamundeeshwari D, Manna PK, **Fatima Grace X**, Latha S, Estimation of Flavonoids in *Dodonaea viscosa* (Linn) JACQ. by HPLC analysis. Journal of Pharmacy Research. 2014; 8(4), 486-488.
13. Latha S, Seethalakshmi S, Chamundeeshwari D, Senthamarai R, Shanthi S, **Fatima Grace X**. Comparative phytochemical and antioxidant studies on roots of *Stereospermum colais* & *Stereospermum suaveolens*. International Journal of Phytopharmacology. 2014; 5(4):301-5.
14. Latha S, Shanthi S, **Fatima Grace X**, Chamundeeshwari D. Pharmacognostical and Phytochemical Studies on Leaves of *Stereospermum Colais* (Buch.- Ham. Ex.Dillw). Mabberley. International Journal of Phytotherapy. 2014; 4(3):115-9.
15. **Fatima Grace X**, Joan Vijetha R, Rahul Raj S, Shanmuganathan S, Chamundeeshwari D. Formulation, *In vitro* Evaluation and UV Protective Study of Polyherbal Sunscreen Gel. World Journal of Pharmaceutical Research. 2014; 3(4), 2196-2203.
16. **Fatima Grace X**, Rahul Raj S, Reshma I, Sandeep T, Shanmuganathan S, Chamundeeshwari D. Herbal ethosomes-A novel approach in herbal drug technology. American Journal of Ethnomedicine. 2014; 1(4):226-30.
17. **Fatima Grace X**, Rahul Raj S, Shanmuganathan S, Chamundeeshwari D. Transferosomes- A Novel carrier in Transdermal Drug Delivery Technology. Indo American Journal of Pharmaceutical Research. 2014; 4(8), 3477-81.
18. **Fatima Grace X**, Vijetha RJ, Shanmuganathan S, Chamundeeshwari D. Formulation and evaluation of polyherbal cosmetic cream. Adv J Pharm Life sci Res.2014; 2(3):14-7
19. **Fatima Grace X**, Vijetha RJ, Shanmuganathan S, Chamundeeshwari D. Preparation and evaluation of herbal face pack. Adv J Pharm Life Sci Res. 2014; 2(3):1-6.
20. Surisetty RR, **Fatima Grace X**, Seetharaman S, Duraipandian C. Standardization of marketed churna - an ayurvedic polyherbal formulation. International Journal of

Pharmaceutical Sciences Review and Research. 2014; 28(2):108-10.

21. **Fatima Grace X**, Sowmya K V, Rahul Raj S, Shanmuganathan S, Chamundeeswari D. Preliminary phytochemical screening and Heavy metal Analysis by Atomic Absorption Spectroscopy of a marketed polyherbal Churna. American Journal of Drug delivery and Therapeutics. 2014; 1(2), 77-81.
22. **Fatima Grace X**, Rahul Raj S, Shanmuganathan S, Chamundeeswari D. Preparation and Evaluation of Polyherbal Hair Oil. International Journal of Pharmaceutical Chemistry and Analysis. 2014; 1(1), 1-5.
23. Shanthi S, Ramya Maddali, **Fatima Grace X**, Tejaswi Alekya P, Latha S, Chamundeeswari D. Pharmacognostical and Preliminary Phytochemical Studies on stem bark of *Eugenia jambolana*. International Journal of Pharmaceutical Sciences Review and Research. 2014; 29(1), 74-76.
24. Snehal Singh, Manish Devgan, Ankamma Chowdary, Biresh Kumar Sarkar, Haque SMA, **Fatima Grace X**. Formulation and Evaluation of Herbal Cream containing extract of *Amaranthus tricolor* Linn. **Journal of Applied Science and Research**. 2015; 3(1), 27-30.
25. Snehal Singh, Biresh Kumar Sarkar, Manish Devgan, **Fatima Grace X**. Formulation and evaluation of *in-vitro* antioxidant activity of emulsion of *Punica granatum* L. International Journal of Drug Formulation and Research. 2015; 6(2), 99-104.
26. **Fatima Grace X**, Rahul Raj S, Sowmya K V, Reshma I, Shanmuganathan S. Development and Evaluation of polyherbal Shampoo. Advanced Journal of Pharmacie and Life Science Research. 2015; 3(1), 13-16.
27. **Fatima Grace X**, Rahul Raj S, Joan Vijetha R, Shanmuganathan S. Formulation and Evaluation of Sustained Release Tablet Using A Natural Polymer. Advanced Journal of Pharmacie and Life Science Research. 2015; 3(1), 9-12.
28. **Fatima Grace X**, Joan VR, Rahul RS, Shanthi S, Latha S, Shanmuganathan S. Formulation and evaluation of polyherbal anti-acne Gel. Advanced Journal of Pharmacie and Life Science Research. 2015;1:5-8.
29. Snehal Singh, Biresh Kumar Sarkar, **Fatima Grace X**, Manish Devgan. Anti-microbial evaluation of herbal formulation of *Equisetum arvense*. European Journal of Biomedical and Pharmaceutical Sciences. 2015; 2(3), 908-912.
30. Sowmya K V, Darsika C, **Fatima Grace X**, Shanmuganathan S. Formulation and evaluation of polyherbal face wash. World Journal of Pharmacy and Pharmaceutical Sciences. 2015; 4(6), 585-588.

31. **Fatima Grace X**, Sowmya K V, Rahul Raj S, Shanmuganathan S. Bilosomes – An innovative trend in lipid based drug delivery. *Journal of Pharmaceutical and Medicinal Chemistry*. 2015; 1(1), 71-73.
32. Biresh Kumar Sarkar, Manish Devgan, **Fatima Grace X**. Comparative study of effect of different polymer combination of antimicrobial activity of herbal gel of *Syzygium cumini*. *International Journal of Drug, Formulation and Research*. 2015; 6(3), 42-47.
33. **Fatima Grace X**, Darsika C, Sowmya KV, Afker A, Shanmuganathan S. Preparation and evaluation of herbal dentifrice. *International Research Journal of Pharmacy*. 2015; 6(8):509.
34. Darsika C, Sowmya KV, Suganya K, **Fatima Grace X**, Shanmuganathan S. Preparation and evaluation of Herbal peel off face mask. *American Journal of PharmTech Research*. 2015; 5(4), 332-336.
35. Anbarasan B, **Fatima Grace X**, Shanmuganathan S. An overview of cubosomes - smart drug delivery system. *Sri Ramachandra Journal of Medicine*. 2015; 8(1), 1-4.
36. **Fatima Grace X**, Sowmya KV, Darsika C, Jothy A, Shanmuganathan S. Polyherbal hand sanitizer-formulation and evaluation. *Indian Journal of Pharmacy and Pharmacology*. 2015; 2(2), 143-144.
37. Darsika C, **Fatima Grace X**, Shanmuganathan S. Self Micro Emulsifying Drug Delivery System-A Capsulization. *Journal of Pharmaceutical Sciences and Research*. 2016; 1; 8(2):121.
38. Suganya K, Maheswari Y, **Fatima Grace X**, Shanmuganathan S. Preparation and Evaluation of Polyherbal Facial Scrub. *Indo American Journal of Pharmaceutical Research*. 2016; 6(11), 6974-78.
39. Suganya K, **Fatima Grace X**, Shanmuganathan S. Formulation and Evaluation of Herbal Emulgel using *Cardiospermum halicacabum* leaf extract for anti arthritic activity. *International Journal of Pharmacy and Technology*. 2017; 9(2), 29648-54.
40. **Fatima Grace X**, Krishnaraj K, Darsika C, Pushpalatha HB, Chaudhari PS. A novel approach for topical gel containing SMEDDS loaded with Herbal drug. *International Journal of Pharmaceutical Sciences and Research*. 2018; 9(3): 1129-40.
41. **Fatima Grace X**, Anbarasan B, Kanimozhi T, Shanmuganathan S. Preparation and Evaluation of Deep Cleansing Exfoliator. *Asian Journal of Pharmaceutical and Clinical Research*. 2018; 11(7), 356 -359.
42. **Fatima Grace X**, Suganya K, Shanmuganathan S. Development of *Terminalia chebula* loaded ethosomal gel for transdermal drug delivery. *Asian Journal of Pharmaceutical*

and Clinical Research. 2018; 11(12), 380 -383.

43. Kavya S, Harish R, Manoranjith M, Shanmuganathan S, **Fatima Grace X**. Brahma Kamal – A Specific Exploration. International Journal of Pharmaceutical Sciences Review and Research. 2019; 54(2), 77-78.
44. **Fatima Grace X**, Manoranjith M, Harish R, Kavya S, Shanmuganathan S. Treatment for Psoriasis – A herbal approach. International Journal of Pharmaceutical Sciences Review and Research. 2019; 55(1), 58 - 60.
45. Merlin Roshma Sherin, Mohammed Irshad, Naga Gouri, **Fatima Grace X**, Shanmuganathan S. Nanoemmigel – An Apercu. International Journal of Pharmaceutical Sciences Review and Research. 2019; 55(1), 61 - 64.
46. **Fatima Grace X**, Balu A, Seetharaman S, Lakshmikandhan A, Lawrence AA. Alternatives to In vivo Experiments–A Pandect. Research Journal of Pharmacy and Technology. 2019; 12(9):4575-7.
47. A. Rajesh Pawan, **Fatima Grace X**, S.R. Ramakrishnan, Floating Microspheres: A Novel Emerging Trend In Gastro Retentive Drug Delivery. International Journal of Pharmaceutical Sciences and Research, 2021; 12(6): 3019-3033.
48. **Fatima Grace X**, Fabrication and Characterization of *Pongamia pinnata* Leaf and Bark Extracts Loaded Nanoemmigel. Journal of Pharmaceutical Sciences and Research. 2021; 13(7), 369-373.
49. Reka S, **Fatima Grace X**, Role of Artificial Intelligence in Combating the Pandemic Covid 19 – A Perlustration. Journal of Pharmaceutical Sciences and Research.2021; 13(10), 604-607.
50. Fatima Grace X, K Priya Chitra, Kokilavani S, Gowri C, Gomathy S, Dhanapal V, Liposomes in Cosmetics A Recapitulation. International Journal of Research and Analytical Reviews. 2022; 9(4), 340-343.
51. Fatima Grace X, K Priya Chitra, Akshaya S, Santhiya Priya, Sivaranjani, Dhanapal V, Cubosomes in drug Therapy – A Review. International Journal of Research Trends and Innovation. 2022; 7(10), 1-3.
52. Weslie Raj, Riyaz Khan, Akash K, K Priya Chitra, Fatima Grace X, Dhanapal V, Monkey Pox – A Rehash. International Journal of Scientific Development and Research. 2022; 7(10), 39-42.
53. Karuna Priyachitra, X. Fatima Grace, M. Poornima , Evaluation of preliminary trial batches of formulations containing oral hypoglycemic drugs metformin hydrochloride and canagliflozin, International Journal of Pharmaceutical Sciences and Research, 2023;

14(5): 2434-2441

54. Saranya Balasubramaniam, Karuna Priyachitra, X. Fatima Grace, S. Rameswari, Advancement, exploration and outlook of the burgeoned COVID 19 vaccine – an overarching recapitulation, International Journal of Pharmaceutical Sciences and Research, 2023; 14(6): 2766-2772.
55. Mohammed Fayaz S, Saravanan S, Sangavi G, Fatima Grace X, A sylloge on herbal solid lipid nanoparticles, Journal of Pharmaceutical Sciences and Research. 15(4), 2023, 1063-1069.

CONFERENCE PROCEEDINGS: 01

- ❖ **X. Fatima Grace.** Scientific validation of Bioenhancing property of a natural mucilage incorporated with a DMARD. Journal of Pharmaceutical care and Health Systems. 2016; 3(2), 32.

BOOKS: 03

- ❖ Authored a book entitled “Comparative study of Surfactants for solubility enhancement” with ISBN number: 9783659230301, published by LAMBERT ACADEMIC PUBLISHING Company, 2012.
- ❖ Authored a book entitled “A new tablet excipient from a natural source” with ISBN number: 9783659383922, published by LAMBERT ACADEMIC PUBLISHING Company, 2013.
- ❖ Authored a book entitled “Practical Manual for Physical Pharmaceutics – A Laboratory Enchiridion” with ISBN number: 9786200787149, published by LAMBERT ACADEMIC PUBLISHING Company, 2020.

CHAPTER AUTHORED: 04

- ❖ **Fatima Grace X, Shanthi S, Latha S, Chamundeeswari D.** Cytotoxic activity of stem bark of *Ficus racemosa* against non small cell lung carcinoma A549 cells. Medicinal Plants: Phytochemistry, Pharmacology and Therapeutics. Daya Publishing House, Astral International Pvt. Ltd., New Delhi.2016; 4, 519-26.
- ❖ Saranya Balasubramaniam, **Fatima Grace X.** Nanocomposites – A Promising Tool in Safe and Effective Drug Delivery. Trends in Pharmaceutical Research and Development. Book Publisher International, West Bengal. 2020; 3; 53-58.
- ❖ **Fatima Grace X.** A perlustration on Artificial Intelligence in Combating COVID 19 – The pandemic. Impavt of COVID 19 Pandemic on Economic and mental Health. Krishna Publication House, Gujarat.2022;1;1-11.

- ❖ X. Fatima Grace, Karuna Priyachitra, Rameswari S, Epitomized Retrospect on the Advancement, Explore and Outlook of the Covid 19 Vaccine, Weser Books, 2023, 63-78.

PATENTS - 02

- ❖ Granted with a patent titled “**Use of natural bioenhancer to improve safety and efficacy of conventional anti-arthritic drug**” with patent application number: 1547/CHE/2013 dated 05.04.2013. Patent Publication date: 25.04.2014, Patent no: 369421, Date of Patent 05/04/2013, Date of Grant 16/06/2021.
- ❖ Filed a patent titled “**Novel synergistic polyherbal cleansing composition and products thereof**” with patent application number: 5954/CHE/2015 dated 04.11.2015.

FUNDED PROJECT:

Intramural

As PI:

- ❖ **GATE – Young Faculty Research Grant** “Scientific Validation of Bioenhancing property of a natural mucilage incorporated with a DMARD” for Rs. 90,000/- for 1 year (2014-2015).
- ❖ **GATE – Young Faculty Research Grant** “Design, fabrication and optimization of Tofacitnib loaded cubosomal transdermal drug delivery system using DoE software and its characterization studies for the effective treatment of Arthritis” for Rs. 80,000/- for 1 year (2018-2019).

As Co-PI:

- ❖ **GATE – Young Faculty Research Grant** “Development and Characterisation of Phytosome from *Ixora coccinea* Linn for the treatment of Skin Cancer” for Rs. 90,000/- for 1 Year (2019-2020).

INVITED SPEAKER: 02

- ❖ Invited as a guest speaker to present a research topic entitled “Scientific validation of Bioenhancing property of a natural mucilage incorporated with a DMARD” in “6th Asia-Pacific Pharma Congress” July 11-13, 2016 at **Kuala Lumpur, Malaysia**.
- ❖ Invited as a guest speaker to deliver a lecture on the topic entitled “Natural Bioenhancers – A boon to drug delivery” in the DHR – ICMR sponsored three day workshop on recent innovations in Controlled and Targeted Drug delivery systems held at **GKM college of Engineering and Technology**, Perungalathur, during 8-10 January 2020.

ACADEMIC EXPERIENCE

S.No.	Name of the Institution/Industry	From	To	Years of Experience
1.	Faculty of Pharmacy, Dr. M.G.R. Educational and Research Institute	23.01.2023	Till date	10 Months
2.	Sree Sastha Pharmacy College, Sree Sastha Group of Institutions	08.03.2021	21.01.2023	1 year and 10 months
3.	Sri Ramachandra Faculty of Pharmacy, Sri Ramachandra Institute of Higher Education and Research (DU)	14.11.2007	12.11.2020	13 years

OTHER PROFESSIONAL EXPERIENCES - NA

PROFESSIONAL MEMBERSHIP

- ❖ Life time member in Association of Pharmaceutical Teachers of India.
- ❖ Annual Member in Society for Ethnopharmacology.
- ❖ Life time member in Pharmacy Council of India
- ❖ Registered Pharmacist under the Tamil Nadu Pharmacy Council

ACHIEVEMENTS AND AWARDS

1. The article entitled "Formulation and Evaluation of Polyherbal Cosmetic cream was awarded with **III prize** in the Best Manuscript Award contest conducted by Advanced Journal of Pharmacie and Life Science Research in the year 2014.
2. The article entitled "Formulation and Evaluation of polyherbal Anti acne gel" was awarded with **III prize** in the Best Manuscript Award contest conducted by Advanced Journal of Pharmacie and Life Science Research in the year 2015.
3. **Awarded** with a certificate and gold coin for continuous service of ten years in SRMC & RI on 16.12.2017
4. Awarded with **First prize** for the oral presentation of the paper entitled "In vivo anti-arthritic activity of oral formulation with enhanced bioavailability using a natural mucilage" in the 7th National Conference on Recent Trends in Industrial Pharmacognosy- RTIP-2018 organized by Department of Pharmacognosy, College of

Pharmacy, Mother Theresa Post Graduate and Research Institute of Health Sciences, Pondicherry on 16th March 2018.

5. Awarded with **Second prize** for the poster presentation of the paper entitled “Bioavailability assessment of a solid oral formulation by in-vitro everted intestinal sac model” in the APP 7th ANNUAL CONVENTION& INDO – US CONFERENCE organized by School of Pharmaceutical Sciences, VISTAS on 27th July 2018.
6. Won **Second prize** for the paper Guided entitled “Cubosomes – A novel drug delivery system” in the APP 7th ANNUAL CONVENTION & INDO – US CONFERENCE organized by School of Pharmaceutical Sciences, VISTAS on 27th July 2018.
7. Won **Best presentation award** for the research paper entitled “Formulation and evaluation of leflunomide capsules using a natural bioenhancer and its comparative study” in the National Conference on Biochemistry and Therapeutics of Diabetes and Cancer treatment and Challenges held on 28th February and March 1st 2019 organized by Department of Plant Biology and Biotechnology, Loyola College, Chennai.
8. Won **First prize** in the poster competition for the research paper entitled “Bioavailability enhancement of leflunomide a DMARD using a natural mucilage – a histopathological approach” during the APP 1st INDO – JORDAN CONFERENCE at School of Pharmaceutical Sciences, VISTAS organized by APP Brazillian International branch and Tamilnadu State Branch in collaboration with APP drug design Medchem division on 23rd July 2019.
9. Won **Third prize** for the paper Guided entitled “A herbal nanoemmmigel approach for the treatment of Psoriasis” in the two days Continuing Education Programme on Novel Technologies in Drug discovery and Development: Deliberation and Prospectives cosponsored by The Tamil Nadu Dr. MGR Medical University on 22.11.2019 and 23.11.2019 organized by Sengundhar College of Pharmacy, Thiruchengode, Tamil Nadu
10. Received **Women Researcher Award** in the 4th International Scientist Awards on Engineering, Science and Medicine, held on 15 & 16-Feb-2020, Chennai, India, organized by VDGGOOD Professional Association.
11. Awarded with **Consolation prize** for the E-poster presentation entitled “Formulation of a Polyherbal shake – An Exotic fat Burner” in the AICTE sponsored 10th National Conference on Recent Trends in Industrial Pharmacognosy – RTIP-2021 organized by Department of Pharmacognosy, College of Pharmacy, Mother Theresa Post Graduate and Research Institute of Health Sciences, Pondicherry on 3rd September 2021.