

FACULTY DATABASE

Name: Dr. C. N. Hemalatha

Designation: Assistant Professor

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Area: Pharmacy

Affiliation: Dr.M.G.R. Educational and Research Institute, Deemed to be University, Maduravoyal, Chennai – 600095, Tamil Nadu



EDUCATION

Sl.No.	Course	Department	Affiliation
1	Ph.D	Pharmaceutical Sciences	Vels Institute of Science, Technology and Advanced Studies, Pallavaram, Chennai (Deemed University)
2	M.Pharm	Pharmaceutical Chemistry	Vels Institute of Science, Technology and Advanced Studies, Pallavaram, Chennai (Deemed University)
3	B.Pharm	-	Affiliated to The Tamilnadu Dr.M.G.R.Medical University, Chennai

OTHER DETAILS

- Courses: Attended “Summer School in Molecular Simulation & Structure Based Drug Design (**MSSBDD - 2016**)”- B.S Abdur Rahman University, Vandaloor from 18th July 2016 to 29th July 2016. (Registration reference : **MSSBDD /SLS/2016/07**)
- Successfully completed and secured **74.33%** in **Industry Program in Pharma Quality Assurance and Quality Control – Autumn** conducted by **Bioinformatics Institute Of India - Noida** on Jan 2010.
- Attended the certificate programme in **Drug Discovery & Development through Bioinformatics** conducted during 9th – 13th Oct 2007 at **AU-KBC Research Centre, Chennai**.
- Attended Faculty Development Programme on **CREATIVE PEDAGOGY** Organized by Internal Quality Assurance Cell (IQAC) , VISTAS, Pallavaram, Chennai -600 117 on 29th & 30th, June 2018.

Research Interest: Computational and Structural Activity relationship (SAR) studies on intercalating agents. Other areas of research are target based drug delivery system and Nano formulations.

Publications

Published= 23

2018

01. **CN Hemalatha**, M.Vijey Aanandhi. Computational Study of Butyl and Naphthyl amine derivatives of Perylene di imides targeting telomerase enzyme for Anti Cancer Activity. **Asian Journal of Pharmaceutical Education and Research. Volume 11; Issue 4: 73-77,2018.(Scopus)**
02. **CN Hemalatha**, M.Vijey Aanandhi. Application of insilico studies targeting telomeric G Quadruplex by perylene di imides for Anti Cancer therapy. **Asian Journal of Pharmaceutical Education and Research, Volume 11; Issue 4: 78-80,2018.(Scopus)**
03. Sarmila.A, Swetha.S, Meera.V, **C N Hemalatha**, M. Sekar Babu, M. Vijey Aanandhi. Docking Study Targeting 3cyy Protein Using Alzheimer Drugs. **Drug Invention Today, Volume 10, Issue 7, 1281-84. 2018 (Scopus)**
04. M. Vijey Aanandhi, Joyita Krishnamurthi,S. Lakshmi Kanthamma, **CN Hemalatha**, Virtual Screening Technique to identify Embelin as Potent Inhibitor of Mortalin-P53 Tumour Suppressor Protein. **Drug Invention Today. Volume 10; Issue 10: 1992-5,2018.(Scopus)**
05. **C N Hemalatha**, M Vijey Aanandhi. Application of 3D QSAR and Docking Studies in optimization of Perylene di imides as Anti Cancer agent. **Indian Journal of Pharmaceutical and Education Research**, 2018, Volume 52, Issue 4, 46-53.**SCOPUS, SCI Indexed.**
06. **C.N. Hemalatha**, K. Elanchezhiyan, D.Pavithra, M. Vijey Aanandhi. Insilico Approach Of Compounds In Cissus Quadrangularis Targeting Multi- Proteins As Anti-Cancer Agents. **Drug Invention Today**. Vol 10, Issue 5, 2018. Pg No: 764-768 **SCOPUS Indexed.**
07. **C.N. Hemalatha**, D. Pavithra, S. Mahalakshmi, D. Karthikeyan, M. Sekar Babu,M. Vijey Aanandhi. Docking Studies For Anticancer Activity Using Anthraquinone Derivatives. **Drug Invention Today. SCOPUS Indexed. Volume 10, Special Issue 2, 2902-08, 2018.**
08. **C N Hemalatha**, M Vijey Aanandhi. Synthesis Of Some Novel Perylene Di Imides And Evaluation Of Their Anti Cancer Activity. **Asian Journal Of Pharmaceutical**

And Clinical Research, Volume 11, Issue 8, August 2018. Pg No. 425-433 Scopus Indexed. Impact Factor: 0.48.

09. M.Vijey Aanandhi, Niventhi. A, Rujaswini. T, **Hemalatha C.N**, Praveen. D. A Comprehensive Review on Role of Tau Proteins in Alzheimer's Pathology. **Research Journal of Pharmacy and Technology**, Volume 11, Issue 2, 688-790, 2018. **SCOPUS Indexed**.
10. S Rashmi, S. Nivethitha, **C N Hemalatha**, M. Vijey Aanandhi. Virtual Screening Studies of three closely related Withanolides to control cell proliferation and induction of cell Senescence. **Rasayan Journal of Chemistry**. Vol 11, Issue 1, 339-344, 2018. **SCOPUS Indexed**.
11. Nivethitha.S, Rashmi.S, **C N Hemalatha**, M. Vijey Aanandhi. Insilico Studies Of Thymoquinone In Nigella Sativa As Potential Anti Tumor Agent. Biomedicine. Volume 38, Issue 1, 081-084, 2018. (Scopus)
12. S. Lakshmi kanthamma, Joyita Krishnamurthi, **C. N. Hemalatha**, M. Vijey Aanandhi. Insilico approach of interaction studies in Bacopa monnieri compounds targeting multi-proteins for Alzheimer's Disease. Research J. Pharm. and Tech 2018; 11(4): 1522-1526.

2017

13. **C N Hemalatha**, M Vijey Aanandhi. 3D QSAR and Docking study of Perylene-di imides analogues as potent apoptosis inducer and efficacious anticancer agent. **Indian Drugs**. Volume no 54, Issue No 12, Pg No: 15-27, 2017. Impact Factor: 0.14, **SCOPUS Indexed**.
14. Marina Juliet, **C N Hemalatha**, M. Vijey Aanandhi. Computational Studies Of Purine Derivative Using Multiforms Of Human Polypeptides 1 As Target Enzyme For Anticancer Agents. **Asian J Pharm Clin Res**, Vol 10, Issue 9, 2017, 292-296 (**SCOPUS**)
15. **C N Hemalatha**, M Vijey Aanandhi. "G-Quadruplex Ligands as Stabilizer targeting Telomerase as Anti-Cancer Agents" **Asian Journal of Pharmaceutical and Clinical Research**, Vol 10, Issue 8, 2017, 50-53. **SCOPUS Indexed**. Impact Factor: 0.48.
16. M.Vijey Aanandhi, Debojit Bhattacharjee, **C N Hemalatha**. Design, Synthesis, Docking study of novel Perylene- di imides, endowed potent cell cytotoxicity towards HeLa: "A Future G-Quadruplex stabilizer", **Biomedicine**, **SCOPUS Indexed**, **Impact Factor-0.36** SJR- 0.1, cites per doc-0.01, Volume 32 (2), 2017, pg No 209-213.
17. **Hemalatha C N**, Anbarasu K, Vijeyaanandhi Muthukumar. Evaluation Of Anti-Cancer And Anti-Oxidant Activity Of *Cissus Quandrangularis* Extracts In DMBA Induced Mammary Carcinomas. **Research Journal of Pharmacy and Technology**. Volume 10, Issue 1, 2017. **SCOPUS**, Impact Factor 0.14

18. **Hemalatha C N**, YeswanthPrasannaKumar, Vijeyaanandhi Muthukumar. Formulation & Characterization of Nanoparticles Loaded Cefadroxil. **Research Journal of Pharmacy and Technology**. Volume 10, Issue 1, **2017**. **SCOPUS** , Impact Factor- 0.14

19. A. Marina Juliet, **C N Hemalatha**, M. Vijey Aanandhi. Systematic Review of General Cancer Cell Survival Using Target Enzyme MTH1 and its Activity. **International Journal of Pharmaceutical Sciences Review and Research.**, 42(1), January - February 2017; Article No. 39, Pages: 230-234 **Impact Factor (0.65) UGC Approved.**

2016

20. K.Rajamathi, M.Kalidasan, **C. N. Hemalatha** and M.Vijey Aanandhi. 2D And 3D QSAR Using Manual Method Of 6-Benzimidazole Derivatives, Zinc Metallopeptidase As Ace Inhibitor As Anti-Hypertensive Agents. **International Journal of Pharma and Bio Sciences**, 2016 July; 7(3): (P) 208 – 225. **UGC Approved.**

2013

21. Vijey Aanandhi Muthukumar, **Hemalatha Catna Nagaraj**, Debojit Bhattacharjee, Samuel George. Virtual screening studies to design dual inhibitors of integrase and caspase; QSAR, Pharmacophore modeling, and docking studies. **International Journal of Pharmacy and Pharmaceutical Sciences.**, vol 5, suppl 3,2013 95-102. **Impact (Cites per doc) - 0.91 (SCImago, SJR 2013) SCOPUS indexed**

2012

22. M.Vijey Aanandhi, R.Kamalraj, **CN Hemalatha**, Harendra Kumar Srivastava, R.Sujatha. Synthesis of 8-hydroxy-n-n-dimethyl-2-p-tolyl h-imidazo[1,2-a]pyridine-3-carboxide and evaluation of its hypnotic and sedative effect. **Journal of Pharmacy Research**, Volume 5, No 5, 2012 (**UGC- Approved**).

2011

23. Vijey Aanandhi Muthukumar, Sujatha Ramasamy, Sharmila Alladi, **Hemalatha Catna Nagaraj**, Shanmugasundaram Palani. Synthesis characterization and biological evaluation of Isoxazole and pyrazole derivatives from β - di ketones. **Journal of Pharmacy Research**, November 12, 2011, Volume 4. (**UGC-Approved**).

Working Papers=02

1. C.N.Hemalatha. A Review of Histone Deacetylase (HDAC) Inhibitors for the Treatment of Cutaneous T-Cell Lymphoma(CTCL).
2. C.N. Hemalatha. A Review on Regrafenib as Multikinase Inhibitor.

ACADEMIC EXPERIENCE

S.No.	Name of the Institution	From	To	Years of Experience
1.	Assistant Professor in Vels Institute of Science, Technology and Advanced Studies, Pallavaram	2 nd July 2018	24 th May 2019	11 Months
2.	JRF (Junior Research Fellow) in Vels Institute of Science, Technology and Advanced Studies in Department of Pharmaceutical Chemistry, School of Pharmaceutical Sciences, VISTAS, Pallavaram.	06 th August 2015	16 th March 2018.	
3.	Assistant Professor in Jaya College of Paramedical Sciences, Thiruninravur	13 th October 2014	3 rd August 2015.	

OTHER PROFESSIONAL EXPERIENCES

1. **Executive-Trainee** (Training & Development) in **Apollo Enterprises Pvt Ltd** July 2014 to September 2014.
2. **Pharmacist** in **Apollo Hospital Private limited** Chennai, India from June 2008 to May 2009.

ACHIVEMENTS AND AWARDS

1. AWARDED BEST RESEARCH SCHOLAR AWARD

Received **APP BEST RESEARCH SCHOLAR AWARD 2018** for outstanding research performance during APP 7th Annual Convention & 2nd Indo-US Conference held at School of Pharmaceutical Sciences, Vels Institute of Science, Technology and Advanced Studies, VISTAS, Chennai on 27th July 2018

2. AWARDED BEST E-POSTER PRESENTATION

Application of 3D QSAR and Docking studies in Optimization of Perylene di imides as Anti-Cancer agents. Presented an e-poster in Two Days National Symposium on “Exploring the Advances and Challenges in Green and Protein Chemistry: Industry and Academia Perspectives” ,SERB-DST, New Delhi and JSS Academy of Higher Education & Research, Mysuru (co-sponsored) organized by the Department of Pharmaceutical Chemistry, JSS College of Pharmacy, Udhagamandalam, Tamilnadu, on 9th and 10th March, 2018.

3. WON THE PGIBMS AWARD FOR THE YEAR 2017

Presented an Oral entitled “**Strategic Approach to target telomeric G-Quadruplex complex by perylene-di-imides for efficient Anti Cancer therapy.**” in the 38th Annual Conference of Indian Association of Biomedical Scientists (IABMS) Conference on “An insight into biomedical research for human health” held at Saveetha Medical College & Hospital, Thandalam, Chennai- 600 116 from 23rd to 26th November 2017.

4. AWARDED FIRST WITH A MOMENTO AND CASH PRIZE

Presented an e-Poster titled” **G-Quadruplex ligands as Stabilizer targeting Telomerase enzyme as Anti Cancer Agents**” at Mother Theresa Post Graduate and Research Institute of Health Sciences, Puducherry-held from 21st to 22nd October 2016, 4th National Conference on Pharma Sciences, Texo Pharma Virtus’16, **Theme: “Discovering Discoveries of Apothecarists”** Sponsored by Indian Pharmacy Graduates Association an Accredited by the Taminadu Dr. M.G.R. Medical University, Chennai with 20Credit Points.

- **Abstract published** in the International Journal of Pharmacy and Therapeutics under the publisher Pharma Intelligence - Volume 7 (Issue 5- Supplementary-1) 2016, Pg No 138.