

## Curriculum Vitae



DR. NAGAMANI J E

Ph.D, PGDND, KSET

<b>Contact Details</b>	<p>DR. Nagamani J E, Flat MA 1803, Park west apartment, Binnypet, Bangalore – 560 023</p> <p>Phone : +91 – 9945994058</p> <p><i>E-mail</i> : jenagamani@gmail.com nagamanije2019@gmail.com</p>
<b>Summary</b>	
<ul style="list-style-type: none"><li>• Dedicated and true professional person with 18 years of teaching and research experience at PG as well as at UG level with clear and concise presenting skills in both verbal and written form.</li><li>• Versatile biochemist and biotechnologists with extensive experience in protein research. Special expertise in Enzyme purification and characterization from plants and animal systems.</li><li>• Skilled background in Protein chemistry, peptide synthesis, Phytochemistry, antiangiogenesis, anti- Inflammatory studies, small molecules and molecular docking studies.</li><li>• Knowledge of bioinformatics and drug designing tools.</li><li>• <b>Key skills include:</b> Working on own initiative and quickly adapting to new projects and Effectively collaborating in a diverse team environment</li><li>• <b>Key Strengths: Integrity, Determination &amp; Perseverance</b></li></ul>	

## Objective

- Teaching skills for the progress of an organization.
- To become a successful professional in the field of Education, work in an innovative and competitive world.
- Believe in continuous progress and growth

## Educational Qualification

Name of the Course	Name of the Board / University	Month & Year passed	% of Marks
B.Sc	Kuvempu University	1997	74%
M.Sc	Kuvempu University	1999	69%
Ph.D	Kuvempu University	2007	Awarded
PGDND (Dietetics & Nutrition)	Karnataka State University	2013	74%
KSET	University of Mysore	2021	62%
Certificate programme in Bioinformatics	NPTEL IITM	2023	75%

<b>Professional Experience</b>				
<b>Position Held</b>	<b>Name of Organization</b>	<b>Period of Experience</b>		<b>Nature of Work</b>
		<b>From</b>	<b>To</b>	
Guest Lecturer	Kuvempu University, Shimoga	2000	2001	Teaching
SRF	Indian Institute of Horticultural Research, Bangalore	2001	2006	Research
Lecturer	Goutham Educational Society, Bangalore	2006	2007	Teaching
Assistant Professor	JSS College, Mysore	2008	2013	Teaching & Research
Associate Professor	Garden City University, Bangalore	2013	2022	Teaching & Research
Adjunct Professor	Padmashree Institute of Sciences	2022	Till Date	Teaching & Research

**Research Project awarded**

- Senior Research Fellow at IIHR, Bangalore, 2001.
- UGC funded MRP entitled '**Isolation of active principle for inhibition of Angiogenesis and PLA2 from Bombax ceiba pentandra**', MRP(S)-1130/11-12/KAMY013/UGC-SWRO, 2012
- GCU funded research project on "**Hypoacidic activity of the herbal extract; A study on the inhibition of parietal cell K<sup>+</sup>/H<sup>+</sup> ATPase pump**" 2018.
- Best project of the year award for the project entitled „**Bioethanol production from green coconut shell**“ funded by Karnataka state council for Science and Technology(KSCST) 2019.
- Research fellowship at **Indian Institute of Science(IISC)** funded by Indian academy of sciences 2019.
- KSCST funded project entitled "A study on the production and efficacy of Selenium - Lutein nanoconjugate for inhibiting fungal skin infections" 2020.
- KSCST funded project entitled "Synthesis of Biodegradable Empty Drug Capsule Shells From Fruit Waste" 2022
- KSCST funded project entitled "Extraction of EPUFA from desilked silkworm pupae waste for cosmetic emulsions" 2023

#### **Patent Filed**

**COMPOSITIONS OF MATTER AND METHODS FOR MANAGING SKIN DISEASES USING THE COMPOSITIONS OF MATTER VIA DEPLOYMENT OF NANOROBOTS .**

Attorney Docket No.: GCU-0015-PIN Confidential and Attorney-Client Privileged Communication

#### **Book Chapter Authored**

- **Research Innovations In Life Science**", Chapter – **Inflammation, Inflammatory mediators and Inhibitors**, Publisher: Astral International (P) Ltd. New Delhi
- **In Vitro Study On Protease And Thrombolytic Activity Of Aqueous Extract From Leucas Aspera (L.) Leaves: Recent Advances in Pharmaceutical Sciences, 2021**
- **Handbook of Food and nutrition (Under preparation)**

#### **Research Projects Guided**

- Isolation and characterization of Lunasin, a novel peptide for anti-cancerous properties from dietary cereals in 2008
- Purification of trypsin from snake venom (*naja naja*) in 2008
- Study of antimicrobial properties of *Garcinia indica* in 2009
- Antioxidant and antihemolytic activities of *Bombax ceiba pentandra* spike and fruit Extractsin 2010.
- Cytoprotective and antimicrobial activities of stem extract of *Caesalpinia mimosoides* in 2010
- A study on antioxidant and antimicrobial properties of *Bombax ceiba pentandra* seed extract in 2010
- A Study on Angiosuppressive activities of *Bombax ceiba pentandra* fruit extract in 2011
- A study on the inhibition of H<sup>+</sup>/ATPase from *Bombax ceiba pentandra* fruit extract in 2013
- A study on proximate analysis and antimicrobial properties of *Bombax ceiba pentandra* fruit and spike extracts in 2010.
- Production and partial purification of L- Glutaminase Enzyme from *Aspergillus* species by solid state Fermentation in 2014
- A study on the inhibition of pancreatic lipase by plant Saponins in 2015
- A study on antioxidant and cytoprotective properties of *Mangifera indica* flower extract in 2014
- In-vitro antioxidant study of *Mangifera indica* and *Cocos nucifera* flower extract in 2015
- An in-vitro study on thrombolytic activity of *Leucas aspera* leaves extract in 2013
- Production and characterization of Collagenase from *Trichoderma harzianum*, antioxidant property of protein digests.
- Analysis of Photodynamic Antimicrobial and Antioxidant activity of Eggshell Pigments
- Hypoacidic activity of the herbal extract.

Publications						
Sl. No.	Author(s)	Year & Month of Publication	Title of Paper	Name of the Journal, volume/ page numbers,	Name of the Publisher	Impact Factor
1	Nagamani JE Shivashankara K. S, Roy T..	April - 2010	Ethylene biosynthetic enzymes on the formation of spongy tissue in Alphonso mango	J Food Sci Technol, 47(2), 37- 42,	Springer	2.203
2	Basavaraja Nagamani JE Vijaya kumar, Basavaraj P	June - 2010	Antimicrobial evaluation of novel substituted Pyrimidino Pyrazoles and pyrimidinotriazoles.	J Adv Pharm Tech Res, 1(2), 236-244	Society of Pharmaceutical Education & Research	1.093
3	Syeda Hajira Nagamani JE	Feb - 2012	Antimicrobial and antioxidant activities of <i>Mangifera indica</i> (wild) leaves extract.	JSSCM Journal(1)33-38	JSS	0.32
4	Nagamani JE Divya, Sumaprabhu,	Sep - 2012	Antioxidant and antihemolytic activities of <i>Bombax pentandra</i> spike and fruit Extracts	Int J pharmacy and Pharma Sciences, 4(5), 311-315	Academic Sciences	0.55
5	Nagamani JE SupriyaMS, Komal K	Feb - 2013	Cytoprotective and antimicrobial activities of stem extract of <i>Caesalpinia mimosoides</i> .	Int J Pharmacy and Biological science, 4(1), 18 - 25	IJPBS	0.88
6	Nagamani JE Vidya sri	Nov - 2014	A study on antioxidant and antimicrobial properties of <i>Bombax ceiba pentandra</i> seed extract.	World J Pharmacy and Pharmaceutical Sciences, 3(12), 692-706	WJPPS	0.786
7	Nagamani JE Shreedevi,	Jan - 2015	A Study on the inhibition of sPLA <sub>2</sub> and Angiosuppressive activities of <i>Bombax ceiba pentandra</i> fruit extract.	European Journal of Biomedical and Pharm sciences, 2(1), 298-307	EJPBS	0.062
8	Nagamani JE Avinash MR	July - 2015	A study on proximate analysis and	World J Pharmaceutical	Atom and Cell	0.819

			antimicrobial properties of <i>Bombax ceiba pentandra</i> fruit and spike extracts.	sciences, 3(8): 1637 - 1643	Publishers	
9	Nagamani JE Sukanya sen, Shamim ansari	Feb - 2016	Cytoprotective properties of <i>Mangifera indica</i> flower extract	International J Pharmaceutics and Drug Analysis, 4, (2), 2016; 79 – 84	IJPDA	0.79
10	Nagamani JE Vidya Basak	Dec - 2017	Screening and identification of microorganisms for enhanced bioethanol production from pond Reeds	International Journal of Current Microbiology and Applied Sciences, (2017) 6(7): 4412-4422	Excellent publishers	0.78
11	Nagamani JE	August -2018	Production, Partial Purification and Assay of L- Glutaminase Enzyme from <i>Aspergillus Niger</i> by Solid State Fermentation	International Journal of Research and Review, 2018 Vol.5; Issue: 8; 177 - 181	IJRR	0.3
12	Nagamani JE Supriya Bandekar	Feb - 2020	Hypoacidic activity of the herbal extract; A study on the inhibition of parietal cell K <sup>+</sup> /H <sup>+</sup> ATPase pump	International Journal of Pharmaceutical Sciences and Research, 2021; 12(2): 1173-1176.	Thomson reuters	0.82
13	Nagamani JE	Jan - 2021	Photodynamic activity of eggshell pigments for antimicrobial studies	World Journal of Pharmacy and Pharmaceutical Sciences, 2021, 10(1), 1160-1168	WJPPS	0.12
14	Nagamani JE, Usha saha	May – 2021	In vitro study on protease and thrombolytic activity of aqueous extract from <i>Leucas aspera</i> (l.) leaves	International Journal of Pharmacy and Pharmaceutical Sciences, 2021, 13(7), 73-76	Elsevier product	0.16
15	Nagamani JE	Manuscript	A study on the	International	Cross	1.668

		commnicated - 2023	inhibition of pancreatic lipase by plant saponins	Journal of Pharmaceutical and clinical research	reference	
<b>Paper presentation at National and International Conferences</b>						
Sl.No	Author(s)	Date Attended	Title of Paper	Name and Place of Conference		
1.	Nagamani JE	Oct - 2019	Photodynamic activity of egg shell pigments for antimicrobial activity	KSTA funded International conf of Life, chemical and health sciences, RCASC, Bangalore		
2.	Nagamani JE	Jan - 2018	A Study on the Inhibition Of SPLA <sub>2</sub> And Angiosuppressive Activities Of <i>Bombax Ceiba Pentandra</i> Fruit Extract.	ICMR funded Nationalconference on“Emerging trends and new challenges in biotechnology- Advances in biomaterials and applications, MGR college, Hosur		
3.	Nagamani JE, Natya sarathi	Feb 2016	Gastroprotective activity by theinhibition of parietal cell K <sup>+</sup> /H <sup>+</sup> ATPase from <i>Bombax ceiba pentandra</i> fruit extract	International conference on Biodievrstiy and Biotechnology, Bharathidasan University, Tamil Nadu		
4.	Nagamani JE	Sep 2015	Pancreatic PLA <sub>2</sub> inhibitory activity of Allium cepa and Moringaoleiferaextract for antiobesity study	Garden city college of science and Management studies, Bangalore		
5.	Nagamani JE Shreyasi sen, Payoli, Suchismita	March 2015	Production and partial purification of L- Glutaminase enzyme from Aspergillus species by solid state fermentation	National symposium on ‘Microbes and human welfare’ JSS College, Mysore		
6.	Nagamani JE	August 2014	Purification and Characterization	Conclave at Polyclone		



			of Ethylene biosynthetic enzymes on the formation of spongy tissue in Alphonso mango'	Bioservices, Bangalore
7.	Nagamani JE Divya N	April 2012	Antioxidant and PLA2 inhibition studies from Bombax ceiba pentandra extract	National Conference on 'Biotechnology and Society', Kuvempu University, Shimoga
8.	Nagamani JE Basavaraj P	March, 2011	Antimicrobial evaluation of novel substituted Pyrimidino pyrazoles and Pyrimidino triazoles'	National Seminar on 'Relevance of Chemistry in chemical biology', St.Philomena's college, Mysore

### Professional Qualification (Trainings, Courses, workshops etc.)

S. No	Training/ Workshop attended	Date of Attended	University/ Institution	Subject(s)
1	GCLP Training	Nov 2021	DBT - BIRAC	Good clinical laboratory Practices
2	Refresher's course	16 <sup>th</sup> – 29 <sup>th</sup> Jan 2017	Indian Institute of Sciences, Bangalore	Genetics & Molecular Biology
3	workshop	8 <sup>th</sup> – 11 <sup>th</sup> February 2013,	Oxford college of Science, Bangalore, sponsored by Vision group of science and technology, Govt. of Karnataka	Recent Advances in Immuno Molecular Diagnostics
4	Resource Person	10 – 13 <sup>th</sup> December 2012	Postgraduate department of Biochemistry, JSSCACS, Mysore, sponsored by UGC	Basic techniques in isolation, Purification and Characterization of Protein
5	Workshop	19 <sup>th</sup> -20 <sup>th</sup> Jan 2012	St. Joseph's college, Bangalore, sponsored by UGC	Bioinformatics techniques In Drug designing
6	Resource Person	3 <sup>rd</sup> -7 <sup>th</sup> March 2009	JSSCACS, Mysore, sponsored by UGC	Techniques in biotechnology'
7	Training	Feb 2007 – Sep 2007	Indgen Life Technologies	Drug Design & Drug Discovery
8	Hands on Training	Dec 2007	Sri Raghavendra Biotechnologies Ltd	UCB Stem cell isolation and culturing

### Membership of Professional Bodies/Organizations

Sl. No	Name Of The Professional Body	Membership Status
1	Society of Biological Chemists, India	Annual
2	Association of Microbiologists of India	Annual
<b>Honors and Achievements</b>		
1	Member of BOE in Department of Biochemistry, Indian Academy of sciences, Bangalore	
2	Member of BOS and BOE in PG Biochemistry and PG Biotechnology, JSS College, Mysore	
3	Member of BOE in PG Biotechnology, Bangalore University	
4	Served as Coordinator for NET/SLET coaching Sponsored by UGC at JSS College, Mysore	
5	Editorial Member in <b>World J Pharmaceutical sciences</b>	
6	Editorial Member in Life Science Edge	
7	<b>Placement Coordinator</b> for the department of Lifesciences, Garden City University	
8	As <b>Coordinator</b> Successfully organized <b>conferences, Lecture workshop and popular lectures</b> sponsored by <b>UGC, Science Academy and DBT</b>	
<b>Names and complete postal addresses of 3 referees</b>		
1	2	3
Dr. k. S Shivashankar	Dr. Satish Kumar B Y	Dr. E N Prabhakaran
Principal Scientist,	Prof & Chairman	Associate Professor
Division of Fruit Biochemistry,	DOS in Biotechnology	Department of Organic Chemistry
Indian Institute of Horticultural Research,	JSS college	IISC
Hessaraghatta, Bangalore - 89	Mysore - 570004	Bangalore - 560012
<b>DECLARATION</b>		
I here by declare that the above endowed informations are factual to best of my Knowledge		
Date: 04/27/2023		
Place: Bangalore		Dr. Nagamani J E