

FACULTY PROFILE

Name : **Dr. K.J.UMADEVI**
Qualification : M.Sc., M.Phil., Ph.D.
Designation : Assistant Professor
PG & Research Dept. of Biochemistry
Years of Experience : **UG** : 10 **PG** : 10
Email Id :
Areas of Specialization : Phytochemistry, Oncology

Publications

1. Subbukutti Veerabahu, Sailatha Ethirajulu, Gunasekaran Sethu, **Uma Devi Kumba Janarthanan**, Ganesan Singaravelu. Synthesis and Characterization of Wound Dressing Material from Bio-Wastes Impregnated with the Spider Web and the Ethanolic Leaves Extract of *Mangifera indica* (L.), Biointerface Research in Applied Chemistry, ISSN:2069-5837, 12,(2), 1998 – 2012. Published online on 10.06.2021.<https://doi.org/10.33263/BRIAC122.19982012> , 2021.
2. Subbukutti Veerabahu, Sailatha Ethirajulu, Gunasekaran Sethu, **UmaDevi Kumba Janarthanan**, Kavvipriya Selvaraj. Computer-aided Identification of Synergetic Wound Healing Mechanisms Exhibited by Compounds in the Bio Synthesized Wound Dressing Material, Letters in Applied NanoBioScience, ISSN: 2284-6808, 10, Issue 4, 2831 – 2842.Published online on 09.05.2021 <https://doi.org/10.33263/LIANBS104.28312842>. 2021.
3. **K.J.Uma devi** and V.Vanitha. Cytotoxic effect of *Aegle marmelos* (L.) leaves in HEP G2 cell lines – An *invitro* study. International Journal of Pharma and Biosciences Oct; 7 (4) : (B) 224 – 235. (ISSN 0975 – 6299) 2016.
4. V.Vanitha, **K.J Uma devi** and K,Viayalakshmi. Invitro Anti-proliferative effect of *Annona squamosa* (L.) leaf in the regulation of apoptotic genes in HEPG2 cell line. International Journal of Pharma and Biosciences. Jan ; 7(1): (B) 534 – 545. (ISSN 0975 – 6299) 2016.
5. Vanitha Varadharaj, **Uma Devi Kumba Janarthanan** and Vijayalakshmi Krishnamurthy. Protective role of Ethanolic Leaf Extract of Anonna Squamosa (L.) on Experimentally Induced Hepatocellular

Carcinoma. International Journal of ChemTech Research. Vol.8, No.1,pp 282 – 292. (ISSN – 0974 – 4290) 2015.

6. **Umadevi Kumba Janarthanan**, Vanitha Varadharajan, Vijayalakshmi Krishnamurthy. Physicochemical evaluation, phytochemical screening and chromatographic fingerprint profile of *Aegle marmelos* (L.) Leaf extracts. World Journal of Pharmaceutical research : Volume 1, Issue 3, 813-837. **(Best Research Article Award)** ISSN (2277 – 4357) 2012.
7. Vanitha Varadharajan*, **Umadevi Kumba Janarthanan**, Vijayalakshmi Krishnamurthy. Physicochemical, phytochemical screening and Profiling of secondary metabolites of *Annona Squamosa* leaf extract. World Journal of Pharmaceutical research: Volume 1, Issue 4, 1-22. ISSN (2277 – 7105) 2012.
8. **Umadevi Kumba Janarthanan** , Vanitha Varadharajan, Vijayalakshmi Krishnamurthy. Phytonutrients in *Aegle marmelos* (L.)Leaves. World Journal Of Pharmacy And Pharmaceutical Sciences ; Volume 1, Issue 2, 799-809. ISSN (2278 -4357) 2012.
9. **K.J.Uma devi**, V.Vanitha and K.Vijayalakshmi. Antimicrobial activity of three Indian medicinal plants – An *Invitro* study. The Bioscan , Vol -6 (1), 25 – 28. ISSN (0973 – 7049) 2011.
10. T. Vanitha, **K. J. Umadevi** and K. Vijayalakshmi. Free Radical Scavenging Activity of *Allium Ascalonicum*. The Bioscan, 6(2) : 215-218. ISSN (0973 – 7049) 2011.
11. **K.J.Uma devi**, V.Vanitha, K.J.Vijalakshmi and Florida Tilton. Determination of Bioactive components of *Aegle marmelos* L. leaves by GC MS analysis. Indian streams research journal, Vol 1, (11), pp 1 – 4. ISSN (2230 – 7850) 2011.
12. K.Vijayalakshmi, V.Vanitha, R.Sumija, P.Ramya and **K.J.Umadevi**. A comparative study of phytochemicals, antioxidant potential and free radical scavenging activity of *Psidium guajava* and *Malus domestica* – An *in vitro* study. International journal of pharmaceutical research and development, Vol (3): pp 38 – 46. ISSN (0974 – 9446)2011.
13. V.Vanitha, **K.J.Umadevi** and K.Vijayalakshmi. Determination of Bioactive Components of *Annona squamosa* L Leaf by GC- MS Analysis. International Journal of Pharmaceutical Sciences and Drug Research 3(4): 309-312. ISSN (0975 – 248X) 2011.
14. V.Vanitha, **K.J.Uma devi** and K.Vijayalakshmi. *Invitro* assessment of alcoholic leaf extract of *Annona squamosa* and *Aegle marmelos*. The Bioscan. Vol -5(2), 225- 229. ISSN (0973 – 7049) 2010.

Presentations

1. Presented a Paper in the “International Conference on Nutraceuticals – Concepts & Applications in Diseases (ICNCAD – 2018), Department of Medical Biochemistry , held on February 16th &17th 2018.

2. Presented a Paper in the “National Conference on Recent Trends & Developments in Health and Chemical Sciences”, on 30th & 31st January 2018, organized by Bhaktavatsalam Memorial College for women, Chennai
3. Presented a paper entitled “Modern Diagnostic Tools in Health Sciences”, in the International conference on on 22nd & 23rd August 2016, organized by the Department of Microbiology, Biochemistry, Bioinformatics and Clinical Trial Management, Dr.M.G.R. Janaki College of Arts and Science for women, Chennai.
4. Presented Paper in the National Workshop on “Food as Medicine”, on 4th Mar 2016, organized by Department of Lifesciences, Vels University, Pallavaram, Chennai
5. Presented Paper entitled “ *In vivo* assessment of anticancer efficacy of the *Aegle marmelos* (L.) leaves in DEN induced cancer model” in the State Level Seminar on “Trends in Biochemistry- Past, Present & Future; Veni Vidi Vici 2014 on 8 th Jan 2014, organized by Department of Biochemistry, Justice Basheer Ahmed College for Women, Chennai .
6. Presented Paper in the International conference on medicinal plants and herbal drugs, Department of Botony, Pachaiyappa’s college, Chennai. 4th to 6th Mar 2010. “Pharmacognostic and Phytochemical evaluation of *Aegle marmelos* leaves”.
7. Presented a Paper entitled “Antimicrobial activity of *Aegle marmelos* – An *in vitro* study” in the Seminar on Recent trends in Biological research on 1st Feb 2010, organized by Department of Biochemistry, Bharathi women’s college, Chennai.
8. Presented a paper entitled “ Antimicrobial activity of three Indian medicinal plants – An invitro study” in National seminar on recent trends in Biochemistry on 13th Oct 2009 organized by Department of Biochemistry, Auxilium college, Vellore.

Conferences/Workshops/Seminar/Webinars Participated

1. Participated in the Three days International Online Workshop on Academic Writing: Ethical Issues on 7th to 9th Jan 2022, organized by University of Madras, Chennai
2. Participated in the Webinar on "Link Between Gene And Disease" on 5th Jan 2022" organised by PG & Research Department of Biochemistry, Bhaktavatsalam Memorial College for Women, Chennai
3. Participated in the National Level Online Workshop on “Primer Designing ” on 12th July 2021 organised by Department of Biochemistry, Annai Velankanni college for women, Chennai
4. Participated in the webinar on “Career Opportunities in Life Sciences” on 7th July 2021organised by Department of Biochemistry, Annai Velankanni college for women, Chennai

5. Participated in the National webinar on “Intellectual Property Rights- An overview” on 26th June 2021, organised by PG & Research Department of Biochemistry, Bharathi women's college, Chennai
6. Participated in National Webinar on “Empowering Women through Entrepreneurship” on 15th June 2021 organized by Guru Nanak Centre for Research in association with The Organization for Industrial, Spiritual and Cultural Advancement (OISCA) International- Guru Nanak College Chapter, Chennai
7. Participated in National Webinar on “Space Technology Applications – Reaching The Unreached”, on 15th May 2021, organized by the ISAS Tamilnadu Chapter & ISAS: Headquarters in association with Department of Chemistry, Bhaktavatsalam Memorial College for Women, Chennai
8. Participated in the International Webinar on “Microbial Ecology of The Human Skin From Immunity to Infection”, on 3rd August 2020 , organised by PG And Research Department of Zoology Chikkaiah Naicker College, Erode
9. Participated in the International webinar on “Publication of plants based inorganic nanoparticles current status and future perspectives” on 29th July 2020, organised by PG and Research Department of Zoology, Chikkaiah Naicker college, Erode
10. Participated in the IQAC initiated UGC-STRIDE sponsored 3 days national level online faculty development programme on “Research methodology and use of software tools” on 21, 22 & 23 July 2020, organised by KLE society's Nijalingappa college, Bengaluru
11. Participated in the National webinar on “Potential avenues of Research in Siddha system of medicine for life sciences & scholars” on 22nd July 2020, organised by Guru Nanak college, Chennai
12. Participated in the International webinar on “High Resolution Microscopy - As a tool to new discoveries in science” on 16th July 2020, organised by Department of Biotechnology, Indian Academy Degree college, Bangalore
13. Participated in the International Virtual Conference on “Innovative Strategies in Chemical Science and Technologies” on 27th and 28th June 2020, organised by Department of Chemistry, Bhaktavatsalam memorial college for women, Chennai
14. Participated in the International webinar on “Digital transformation across the Pharma value chain- focus on R&D and manufacturing labs” on 19th June 2020, organised by Bharathi women's college, Chennai
15. Participated in the webinar on “Living with covid-19 keeping a healthy mind and body during the pandemic” on 18th June 2020, organised by Department of Biochemistry, Annai Velankanni college for women, Chennai

16. Participated in the Webinar on “Tools for designing e-content” on 17th June 2020, organised by IQAC, Quaid-e-millath Government college for women, Chennai
17. Participated in the Webinar on “Mental wellness career growth”, on 17th June 2020, organised by Annai Velankanni college of women & Nursing and Pharmacy college, Chennai
18. Participated in the International webinar on “Nutrition Vs Immunity - The need of the hour” on 16th June 2020, organised by Department of Biochemistry, SRM arts and science college, Kattankulathur, Chengalpattu district
19. Participated in the International web conference on “Emergence of Alternative therapeutics to contagious diseases” on 11th and 12th June 2020, organised by PG and Research Department of Zoology, Sri vasavi college, Erode
20. Participated in the national Webinar on “Traditional Medicine - A Boon for healthy living” on 12th June 2020, organised by department of Biochemistry Bharathi women's college, Chennai
21. Participated in the International faculty development webinar on “Adapting to the Covid Era” on 12th June 2020, organised by Department of Biochemistry, Ethiraj college for women, Chennai
22. Participated in the Webinar on “In silico drug Discovery” on 12th June 2020, organised by Department of Biochemistry, Annai Velankanni college for women, Chennai on 11th June 2020
23. Participated in the International webinar series on “The trinity of covid-19- Immunity Implications and Interventions” on 4th ,5th , 6th June 2020, conducted by Department of Microbiology, Biochemistry, PG department of Applied Microbiology & Bioinformatics and clinical trial management, Dr. MGR Janaki college of arts and science, Chennai
24. Participated in the International webinar on “Impact of Diet in the Cancer Insights on Evolving concepts” on 5th June 2020, organised by Department of Biochemistry, Bhaktavatsalam memorial college for women, Chennai
25. Participated in the Online Faculty Development Program on “Recent trends in Molecular Biotechnology” on 3rd and 4th June 2020, organised by Department of Biochemistry, Ethiraj college for women, Chennai
26. Participated in the National webinar on “Empathy and Resilience in the wake of coronavirus pandemic” on 1st June 2020, organised by Department of Biochemistry, Soka ikeda college of arts and science for women, Chennai
27. Participated in the International webinar on “Cyclic and Linear Sweeping Voltammetry - Fundamentals and Applications” on 31st May 2020, conducted by Department of Chemistry, Bhakthavatsalam memorial college for women, Chennai
28. Participated in the webinar on “A Stroll through the Mystical Quantum Mechanics” 29th May 2020, organised by Department of PG physics, Bhakthavatsalam memorial college for women, Chennai

29. Participated in the National webinar on “Relationship enhancement” on 27th May 2020, by PSY HUB. brain and behaviour clinic, Chennai
30. Participated in national webinar entitled “Host-pathogen interactions concepts of virulence and prevention strategies” on 20 & 21 May 2020, organised by Department of Biochemistry, Mahalakshmi women’s college of arts and science ,Chennai
31. Participated in “Patenting inventions in India” on 16th May 2020, organised by Department of Biochemistry, Ethiraj college for women, Chennai
32. Participated in the National Seminar on “Health 2020 – An Alternative Perspective” – on 7th Jan 2020, organized by the Ethiraj College for women, Chennai
33. Participated in the State Level Seminar on “Optimal use of Research indicators, Tools & Techniques, Research Intelligence and Scholarly Communication”(OURITRISC -2019) – on 19th October 2019, organized by the Madras Library Association and Bharathi women’s college, Chennai
34. Participated in the Two days National Seminar on “Recent Trends in Life Sciences” – on 4th and 5th October 2019, organized by the PG & Research Department of Biochemistry and Microbiology, Bhaktavatsalam Memorial College for women, Chennai
35. Participated in a Symposium on “Molecular Pathology of Neuronal and Glial Cell diseases and combating strategies” – on 20th and 21st August 2019, Organised by the Department of Biochemistry, University of Madras and Society for Neurochemistry, India (SNCI), Chennai
36. Participated in the “Symposium on Chemistry – Biology Interface” on August 11, 2018, held by Entamology Research Institute, Loyola College, Chennai
37. Participated in the Workshop on Research Methodology conducted by Centre for Medical genetics on Aug 5th 2017, organized by Department of Biotechnology in Kumari Meena Muthiah college
38. Participated in the State Level Workshop on “Nanotechnology – Innovative Applications of Metal Nanoparticles”, 7th Oct 2016, organized by PG Department of Biotechnology, Kumari Meena Muthiah College of Arts and Science
39. Participated in the National Workshop on “Mitigating the menace of adulteration – Latest trends in Detection” on Aug 20th 2014., organized by Department of Chemistry, Anna adarsh college for women,
40. Participated in the International conference on natural products and Biomedical technology on 10th to 12th Jan 2011, organized by Department of Biochemistry and Biotechnology, Annamalai University, Chidambaram.
41. Participated in the Workshop on “Animal cell culturing techniques” on 29th to 31st Jul 2010, organized by Meenakshi ammal dental college, Maduravoyal, Chennai.

42. Participated in the National seminar on Panoramas in Bionanotechnology, on 26th Feb 2010, BRULAC, Saveetha University, Chennai.
43. Participated in the International conference on cancer biology, Cancer con 2010 on 18th to 20th Feb 2010, organized by IIT Madras, Chennai.
44. Participated in the National workshop on recent trends in Biomedical technology on 12th and 13th Dec 2009, organized by Department of Biochemistry and Biotechnology, Annamalai University, Chidambaram.
45. Participated in the Interaction programme for Ph.D. scholars on 17th and 18th Oct 2009, Pondicherry University, Pondicherry.
46. Participated in the Two days workshop on Lab animal care and research on 2nd and 3rd Jul 2009, BRULAC, Saveetha university, Chennai.
47. Participated in the Summer training in Animal Biotechnology on 25th May to 23rd Jun 2009, Madras Veterinary college, Chennai.
48. Participated in the National seminar on “The role of antioxidants in the treatment of diseases”. on 7th Mar 2009, organized by University of Madras, Tharamani campus, Chennai.
49. Participated in the National seminar on Bioscience – New vistas – 2008 on 8th Oct to 10th Oct 2008, organized by Dr.M.G.R. Janaki college of arts and science for women, Chennai.
50. Participated in the Biomerge '08. National symposium on recent trends in Biosciences on 3rd Mar 2008 organized by Elite Bioscience foundation, Chennai.

Manuscript Reviewer

1. International Knowledge Press - Plant cell Biotechnology & Molecular Biology
2. International Journal of Pathogen Research
3. International Journal of Biology, Pharmacy and Allied Sciences (IJBPAS)
4. International Journal of Pharmacy and Pharmaceutical Research
5. European Journal of Biomedical and Pharmaceutical Sciences
6. ANV Publications