Dr. K. Pandima Devi
Associate Professor

Contact

Address : Department of Biotechnology
Alagappa University
Karaikudi – 630 003
Tamil Nadu, INDIA
Employee Number : 54403
Date of Birth : 11-04-1973
Contact Phone (Office) : +91 4565 223325
Contact Phone (Mobile) : +91 9790358700
Contact e-mail(s) : devikasi@yahoo.com
Skype id : deviarun2

Academic Qualifications: M.A./M.Sc./M.Phil./Ph.D./

Degree	University	Year	Subjects	Percentage
B.Sc	Avinashilingam Deemed University	1993	Biochemistry	80
M.Sc	Avinashilingam Deemed University	1995	Biochemistry	'O' Grade
PhD	University of Madras	2001	Biochemistry	

Teaching Experience: 16 Years

Research Experience: 17 Years

Additional Responsibilities

1. Warden, Science Block Women's Hostel, Alagappa University (From 20.2.2014 to 30.4.2016)

Areas of Research

Pharmacology of Natural Products (Exploration of drugs from natural sources for treatment of Alzheimer's disease and Cancer)

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	Ph.D.	6	6
	M.Phil.	4	Nil
Project	PG	30	Nil
	UG / Others (ADMD)	8	Nil

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
89	34	-	47	14

Cumulative Impact Factor (as per JCR) : 245.094
H-index : 22
i10 index : 51
Total Citations : 1841

Funded Research Projects

Completed Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	SERC Fast Track Proposals for Young Scientist scheme	01.12.2004	30.11.2007	Antioxidant properties of Olive oil: Possible role in preventing environmental immunotoxicity and associated oxidative stress	10.02

	sponsored by DST, India				
2	UGC, India	01.05.2009	30.04.2012	Seaweeds inhabiting South Indian coastal area: Possible drugs for the treatment of neurodegenerative disorders	11.02
3	ICMR, India	01.06.2010	31.05.2013	Gelidiella acerosa: Seaweed inhabiting gulf of mannar: Assessment of the possible suppression of dioxin mediated Immunotoxicity	15.24
4	DST, India	21.12.2012	20.12.2015	Evaluation of the effect of Padina gymnospora against β-amyloid peptide (25-35) induced neurotoxicity: An in-vitro study	27.23

Ongoing Projects

	Agency	Period		Project Title	Budget (Rs. in lakhs)
		From	To		
1	DBT, India	29.7.2015	28.7.2018	Drug discovery from medicinal plants: Anti-cancer effect of *Grewia tiliaefolia* Vahl (Tiliaceae) leaf extracts	24.925

Distinctive Achievements / Awards

1. Women Scientist Award, 2014 by Biotech Research Society of India (BRSI)
2. Tamil Nadu Young Women Scientist Award, 2010 by Science City, Department of Higher Education, Government of Tamil Nadu
3. DST-SERC Young Scientist Award, 2004
4. State Level Educational Testing (SLET) for Lectureship conducted by Government of Tamil Nadu, India [Reg No: 1020276, March 1997]
5. National Eligibility Test (NET) for Professor/Assistant Professor conducted by Agricultural Scientist Recruitment Board (ASRB), New Delhi, India [Roll No 2277; Dec 1998]

Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized: **4**

1. Organizing Committee Member for the **International Conference on Recent Trends in Biosciences-2016 (ICRTB-2016)**, Alagappa University, Karaikudi April 07-09, 2016
2. Participated in "**National Workshop** on Bioinformatics", March 10-12, 2010, organized by the Bioinformatics Infrastrucure Facility, Alagappa University, Karaikudi
3. Executive Member, Organizing Secretary for the **International Workshop cum Seminar** on "Advances in Modern Biotechnology & Molecular Techniques in Veterinary

parasitology: Diagnosis, Chemotherapy and Control", March 17- 21, 2008 organized by School of Biotechnology, Alagappa University, Karaikudi

4. Organizing Committee Member for the **National Seminar** on Biotechnology of Transgenesis: Scientific Progress and Social Issues, Alagappa University, Karaikudi July 28 and 29, 2003.

Events Participated (optional)

Other Training Programs

1. **April 2002- March 2003**
   CID-CSIC, Barcelona, SPAIN.
   Synthesis of citrulinated peptides by F-moc chemistry and diagnosing arthritis by ELISA

2. **March 2000- April 2000**
   Defense Institute of Physiology and Allied Sciences, New Delhi
   Evaluation of the herbal drugs *P.tomentosa* to antioxidant and immunomodulation properties, studies on apoptosis and DNA fragmentation in splenocytes and macrophages

3. **Feb 2000**
   Department of Anatomy (Electron Microscopy Facility), All India Institute of Medical Sciences (AIIMS), New Delhi
   Training course in Electron Microscopy

4. **Aug 1994 to Sep 1994**

   Pasteur Institute of India, Coonoor
   Training course in observing the various procedures of production and quality control of Rabies vaccine and DTP group of vaccines

Overseas Exposure / Visits

1. Department of Peptide Chemistry, CSIC, Barcelona, Spain

Membership in

Professional Bodies

1. Life Member of The Indian Science Congress Association, Kolkatta
2. Life Member of Society of Biological Chemists, Bangalore
3. Life Member of Proteomics Society, India

4. Life Member of BRSI, India

Editorial Board

1. Editorial Board Member for African Journal of Food Science, published by Academic Press, Nairobi.

Academic Bodies (such as Board of Studies etc.,)

i. Member of Board of studies in M. Sc., Biotechnology, Alagappa University since 2003- till date
ii. Member of Board of Studies in B. Sc., Biochemistry from 22.4.2014 to 22.4.2017
iii. Member of Board of Studies in M. Sc., Biochemistry from 22.4.2014 to 22.4.2017
iv. Member of Board of Studies in M. Sc., Biotechnology (Broad Based Board of Studies) from 3.4.2013 to 3.4.2014
v. Member of Board of Studies in M. Sc., and M. Phil., Zoology from 9.10.2013 to 9.10.2014
vi. Member of Board of Studies in M. Phil., Biotechnology from 26.7.2013 to 26.7.2014
vii. Member of Board of Studies in M. Sc., Biochemistry from 25.5.2011 to 25.5.2014
viii. Member of Board of Studies in B. Sc., Biotechnology from 20.11.2008 to 20.11.2012

Others

Reviewer for many Journals like Current Topics in Medicinal Chemistry (Bentham Publishers), Biological Trace Element Research (Elsevier), Fitoterapia (Elsevier), Biological Trace Element Research (Springer), Pharmacology Biochemistry and Behaviour (Elsevier), Food and Chemical Toxicology (Elsevier), International Journal of Food Science and Technology (Wiley-Blackwell), BMC Complementary and Alternative Medicine (Biomed Central, UK), Basic and Clinical Pharmacology and Toxicology (Blackwell Publishing), Evidence Based Complementary and Alternative Medicine (Hindwai), Phytotherapy Research (Elsevier publishers)

Resource persons in various capacities

Number of Invited / Special Lectures delivered: **8**

Others

1. No. of PhD Thesis evaluated : 5

2. No. of PhD Public Viva Voce Examination conducted : 3

Recent Publications

BOOKS EDITED

1. **Devi KP** (2018). ***Recent advances in the molecular mechanism of flavonoids***. Studium press.

Guest Editor – Special Issue

1. Guest Editors: Rosanna Filosa (Second University of Naples, Italy), **Pandima Devi Kasi (Alagappa University, India)** and Seyed Mohammad Nabavi (Baqiyatallah University of Medical Sciences, Iran). Call for Papers for Special Issue: "New trends in anti-inflammatory drugs". ***European Journal of Medicinal Chemistry*** [Elsevier], 2017. [**IF- 4.519]**

Research & Review Articles

1. Sathya, S., Shanmuganathan, B., Manirathinam G., Ruckmani, K., & Devi KP **(2018)**.α-Bisabolol loaded solid lipid nanoparticles attenuates Aβ aggregation and protects Neuro-2a cells from Aβ induced neurotoxicity. ***Journal of Molecular Liquids.*** 264, 431-441 [Elsevier] (**IF- 3.648**)
2. Nisha SA, Devi KP **(2018)**. *Gelidiella acerosa* exhibits neuroprotective effect against amyloid beta 25-35 peptide induced toxicity in PC12 cells. ***Journal of Dietary Supplements.*** Accepted [Taylor and Francis]
3. Malar DS, Prasanth MI, Shafreen RB, Balamurugan K, **Devi KP (2018)**. *Grewia tiliaefolia* and its active compound vitexin regulate the expression of glutamate transporters and protect Neuro2a cells from glutamate toxicity. ***Life Science.*** Accepted [Elsevier] (**IF- 2.936**)
4. Malar DS, Suryanarayanan V, Prasanth MI, Singh SK, Balamurugan K, **Devi KP (2018)**. Vitexin inhibits Aβ25-35 induced toxicity in Neuro-2a cells by augmenting Nrf-2/HO-1 dependent antioxidant pathway and regulating lipid homeostasis by the activation of LXR-α. ***Toxicology in Vitro.*** 50, 160-171 [Elsevier] (**IF- 2.903**)
5. Pugazhendhi A, Shafreen RB, **Devi KP**, Suganthy N **(2018)**. Assessment of antioxidant, anticholinesterase and antiamyloidogenic effect of *Terminalia chebula*, *Terminalia arjuna* and its bioactive constituent 7-Methyl gallic acid – An *in vitro* and in silico studies. ***Journal of Molecular Liquids.*** 257 (1 May), 69-81[Elsevier] (**IF- 3.648**)
6. Rajavel T, Packiyaraj P, Suryanarayanan V, Singh SK, Ruckmani K, **Devi KP (2018)**. β-Sitosterol targets Trx/Trx1 reductase to induce apoptosis in A549 cells via ROS mediated mitochondrial dysregulation and p53 activation. ***Scientific Reports***, Jan 8(1), 2071 [Nature Publishing Group] (**IF- 4.259**)
7. Srinivasan R, Vigneshwari L, Rajavel T, Durgadevi R, Kannappan A, Balamurugan K, Devi KP, Veera Ravi A **(2018)**. Biogenic synthesis of silver nanoparticles using Piper betle aqueous extract and evaluation of its anti-quorum sensing and antibiofilm potential against uropathogens with cytotoxic effects: an *in vitro* and *in vivo* approach. ***Environmental Science and Pollution Research.*** 25(11), 10538-10554 **(IF- 2.741)**.

8. Shanmuganathan B, Suryanarayanan V, Sathya S, Narenkumar M, Singh SK, Ruckmani K, Devi KP. Anti-amyloidogenic and anti-apoptotic effect of α-bisabolol against Aβ induced neurotoxicity in PC12 cells. ***European Journal of Medicinal Chemistry*** [Elsevier] [Accepted]. (**IF- 4.519**).
9. Sathya, S., Shanmuganathan, B., Saranya, S., Vaidevi, S., Ruckmani, K., & Devi KP (2017). Phytol-loaded PLGA nanoparticle as a modulator of Alzheimer's toxic Aβ peptide aggregation and fibrillation associated with impaired neuronal cell function. ***Artificial Cells, Nanomedicine, and Biotechnology***, 1-12. **(IF- 5.605)**
10. Nabavi SF, Sureda A, Dehpour AR, Shirooie S, Silva AS, Devi KP, Ahmed T, Ishaq N, Hashim R, Sobarzo-Sánchez E, Daglia M, Braidy N, Volpicella M, Vacca RA, Nabavi SM. Regulation of autophagy by polyphenols: paving the road for treatment of neurodegeneration. ***Biotechnology Advances*** [Elsevier] (Accepted) (**IF-10.597**)
11. Budzynska B, Faggio C, Kruk-Slomka M, Samec D, Nabavi SF, Sureda A, Devi KP, Nabavi SM. Rutin as neuroprotective agent: from bench to bedside. ***Current Medicinal Chemistry*** [Bentham Science] (Accepted) (**IF-3.249**)
12. Amani H, Pazoki-Toroudi H, Ajami M, Daglia M, Meneghini S, Di Lorenzo A, Nabavi SF, **Devi KP**, Nabavi SM. Targeting signal transducers and activators of transcription 3 (STAT 3) in human cancer by dietary polyphenolc antioxidants. ***Biochemie*** [Elsevier] (Accepted) (**IF-3.112**)
13. Rajavel T, Mohankumar R, Archunan G, Ruckmani K, **Devi KP (2017)**. Beta sitosterol and Daucosterol (phytosterols identified in Grewia tiliaefolia) perturbs cell cycle and induces apoptotic cell death in A549 cells. ***Scientific Reports***. 2017 Jun 13;7(1):3418. (**IF-4.259**)
14. Devi KP, Rajavel T, Maria D; Seyed FN, Anupam B, Seyed MN. 2017. Targeting miRNAs by polyphenols: Novel therapeutic strategy for cancer. ***Seminars in Cancer Biology*** [Elsevier] (Accepted) (**IF- 9.141**)
15. Nisha AS, **Devi KP (2017).** *Gelidiella acerosa* protects against Aβ 25-35 induced toxicity and memory impairment in Swiss Albino mice: An *in vivo* report. ***Pharmaceutical Biology***. Dec;55(1):1423-1435. [Taylor and Francis] **(IF- 1.916)**
16. Malar DS, Shafreen RMB, Pandian SK, **Devi KP (2017)**. Cholinesterase inhibitory, anti-amyloidogenic and neuroprotective effect of the medicinal plant *Grewia tiliaefolia* – an *in vitro* and *in silico* study. ***Pharmaceutical Biology*** 2017, 55(1):381-393. [Taylor and Francis] **(IF-1.546)**
17. Devi KP, Malar DS, Braidy N, Nabavi SM and Nabavi SF. A mini review on the chemistry and neuroprotective effects of silymarin. ***Current Drug Targets*** 2017, 18 [Bentham Science] (Accepted) (**IF-3.236**)
18. Devi KP, Shanmuganathan B, Manayi A, Nabavi SF, Nabavi SM. Molecular and Therapeutic Targets of Genistein in Alzheimer's disease. ***Molecular Neurobiology*** [Springer] (Accepted) (**IF- 6.19**)
19. Suganthy N, **Devi KP**, Nabavi SF, Braidy N and Nabavi SM (2016). Bioactive effects of quercetin in the central nervous system: Focusing on the mechanisms of actions. ***Biomedicine and Pharmacotherapy*** 2016, Dec, 84, 892–908 [Elsevier] (**IF- 2.759**)

20. **Devi KP**, Rajavel T, Skalicka-Wozniak K, Nabavi SF, Daglia M, Bishayee A, Pazoki-toroudi H, Nabavi SM (2016). Molecular targets of curcumin for cancer therapy: an updated review. ***Tumour Biology*** Oct;37(10):13017-13028. [Springer] (**IF: 3.65**)
21. Pazoki-Toroudi H, Amani H, Ajami M, Nabavi SF, Braidy N, **Devi KP**, Nabavi SM. (2016). Targeting mTOR signaling by polyphenols: A new therapeutic target for ageing. ***Ageing Research Reviews*** Nov;31:55-66 [Elsevier] (**IF: 7.452**)
22. Russo M, Russo GL, Daglia M, **Devi KP**, Sakthivel R, Nabavi SF, Nabavi SM (2016). Understanding genistein in cancer: The "good" and the "bad" effects: A review. ***Food Chemistry***, **April 196, 589–600 (IF-4.529)**
23. Suganthy N, Malar DS, **Devi K*P*** (2016). *In vitro* antiaggregation and deaggregation potential of *Rhizophora mucronata* and its bioactive compound (+) - Catechin against Alzheimer's beta amyloid peptide (25-35). ***Neurological Research*****, 21 (Oct), 1-11** [Taylor and Francis] **(IF- 1.376)**
24. Shanmuganathan B, **Devi KP**. Evaluation of the nutritional profile and anti-oxidant and anti-cholinesterase activities of *Padina gymnospora* (Phaeophyceae). ***European Journal of Phycology*****, 2016,** Sep **51(4), 482-490** [Taylor and Francis] (**IF-2.412**)
25. Suganthy N, Malar DS, **Devi K*P*** (2016). *Rhizophora mucronata* attenuates Beta-amyloid induced cognitive dysfunction, oxidative stress and cholinergic deficit in Alzheimer's disease animal model. ***Metabolic Brain Disease***, **31(4) (Aug), 937-949 (IF-2.297**)
26. Suganthy N, **Devi KP (2016)**. Protective effect of catechin rich extract of *Rhizophora mucronata* against β- amyloid -Induced toxicity in PC12 Cells. ***Journal of Applied Biomedicine*****, 14 (2) (Aug), 137-146.** [Elsevier] (**IF-1.433**)
27. Sethupathy S, Shanmuganathan B, **Devi KP**, Pandian SK (2016). Alpha-bisabolol from brown macroalga *Padina gymnospora* mitigates biofilm formation and quorum sensing controlled virulence factor production in *Serratia marcescens.* ***Journal of Applied Phycology*****,** **June 28 (3), 1987-1996** [Springer] (**IF-2.616**)
28. Suganthy N, **Devi KP** (2016). Nutritional evaluation of asiatic mangrove *Rhizophora mucronata* - its proximate composition, amino acid profiles and physico-chemical properties. ***International Journal of Pharmaceutical Sciences and Research*****, 7 (June) 6 , 2537-2545**.
29. Ilavarasi K, Archunan G, Muniasamy S, Malar DS, **Devi KP (2016)**. Olive oil and its phenolic compounds (hydroxytyrosol and tyrosol) ameliorated TCDD induced heptotoxicity in rats via inhibition of oxidative stress and apoptosis. ***Pharmaceutical Biology*****, May 54(2), 338-46** [Informa Healthcare], **[IF-1.916]**
30. Nisha AS, Shafreen BR, Pandian SK, **Devi KP (2016)**. Neuroprotective effect of the marine macroalga *Gelidiella acerosa*: Identification of active compounds through bioactive guided fractionation. ***Pharmaceutical Biology*****, March 2, 1-9** [Informa Healthcare], DOI:10.3109/13880209.2016.1145700 **[IF-1.916]**
31. Ilavarasi K, Muthumanikandan S, **Devi KP (2016)**. 2,3,7,8-TCDD mediated toxicity in Peripheral Blood Mononuclear Cells is alleviated by the antioxidants present in *Gelidiella acerosa*: An *in vitro* study. ***Environmental Science and Pollution Research*****, March 23(6), 5111-21** (Springer Publishers) **[IF- 2.741]**

32. Sakthivel R, Muniasamy M, Archunan G, **Devi KP (2016).** *Gracilaria edulis* exhibit antiproliferative activity against human lung adenocarcinoma cell line A549 without causing adverse toxic effect *in vitro* and *in vivo*. ***Food and Function*****, 7(2) (Feb):1155-65**. DOI: 10.1039/c5fo01094b. [RSC Publishers] **(IF- 3.427)**
33. Suganthy N, **Devi KP (2016)**. *In vitro* antioxidant and anti-cholinesterase activity of *Rhizophora mucronata*. ***Pharmaceutical Biology*****, 54(1), 118-29.** (doi:10.3109/13880209.2015.1017886) [Informa Healthcare], **[IF-1.916]**
34. **Devi KP**, Rajavel T, Russo GL, Daglia M, Nabavi SF, Nabavi SM (2015). Molecular targets of omega-3 fatty acids for cancer therapy. ***Anti-Cancer Agents in Medicinal Chemistry***, 15(10), 1-9. Bentham Science Publishers **(IF-2.598)**
35. **Devi KP**, Malar DS, Nabavi SF, Sureda A, Xiao J, Nabavi SM, Daglia M (2015). Kaempferol and inflammation: from chemistry to medicine. ***Pharmacological Research*****, 99, 1-10.** Elsevier **(IF-4.48)**
36. Nabavi SF, **Devi KP**, Malar DS, Sureda A, Daglia M, Nabavi SM (2015). Ferulic Acid and Alzheimer's Disease: Promises and Pitfalls. ***Mini-Reviews in Medicinal Chemistry*****,** 15(9):776-88 Bentham Science Publishers **(IF-2.661)**
37. Spagnuolo C, Russo GL, Orhan IE, Habtemariam S, Daglia M, Sureda A, Nabavi SF, **Devi KP**, Loizzo MR, Tundis R, Nabavi SM (2015). Genistein and Cancer: Current Status, Challenges, and Future Direction. ***Advances in Nutrition*****,** Jul 15;6(4):408-19 [American Society for Nutrition] **(IF-5.233)**.
38. **Devi KP**, Rajavel T, Nabavi SF, Setzer WN, Ahmadid AH, Mansourie K, Nabavi SM. (2015). Hesperidin: A promising anticancer agent from nature. ***Industrial Crops and Products*****.** 76:582–589 (**IF-3.181**)
39. Nabavi SF, Bilotto S, Russo GL, Orhan IE, Habtemariam S, Daglia M, **Devi KP**, Loizzo MR, Tundis R, Nabavi SM. (2015). Omega-3 polyunsaturated fatty acids and cancer: lessons learned from clinical trials. ***Cancer Metastasis Rev***. 34 (3), 359-380 (**IF- 4.697**)
40. Devi KP, Rajavel T, Habtemariam S, Nabavi SF, Nabavi SM (2015). Molecular mechanisms underlying anticancer effects of myricetin. 1. Life Sciences, 1;142:19-25. doi: 10.1016/j.lfs.2015.10.004. [IF-2.936]
41. Shanmuganathan B, Malar DS, Sathya S, **Devi KP (2015)**. Antiaggregation Potential of *Padina gymnospora* against the Toxic Alzheimer's Beta-Amyloid Peptide $_{25–35}$ and Cholinesterase Inhibitory Property of Its Bioactive Compounds. ***PLOS ONE***. **Nov, 10(11):** e0141708. doi:10.1371/journal.pone.0141708 (**IF-2.806**)
42. Ilavarasi K, Dicson SM and **Devi KP (2015)**. Olive oil and its phenolic constituent tyrosol attenuates dioxin-induced toxicity in peripheral blood mononuclear cells via an antioxidant-dependent mechanism. ***Natural Product Research***, **Nov, 29 (22), 2129–2132** (**IF- 1.828**)
43. Malar DS, Muniasamy S, Archunan G, **Devi KP (2015)**. Evaluation of *in vitro* and *in vivo* safety profile of the Indian traditional medicinal plant *Grewia tiliaefolia*. ***Regulatory Toxicology and Pharmacology*****, Oct 73 (1). 241-7** [Elsevier] [**IF-2.221**]

44. Sakthivel R, **Devi KP (2015)**. Evaluation of Physiochemical properties, Proximate and Nutritional Composition of *Gracilaria edulis* Collected from Palk Bay. ***Food Chemistry*****, May 174, 68-74 [IF-4.529]**
45. Ilavarasi K, Chermakani P, Nisha SA, Malar DS, **Devi KP (2015)**. Antioxidant compounds in the seaweed *Gelidiella acerosa* protects human Peripheral Blood Mononuclear Cells against TCDD induced toxicity. ***Drug and Chemical Toxicology***, **April 38 (2), 133** [Informa Science Journal] **[IF-1.732]**
46. Nisha SA and **Devi KP (2015).** Assessment of anti-amyloidogenic activity of marine red alga *G. acerosa* against Alzheimer's beta-amyloid peptide 25–35. ***Neurological Research*****, Jan 37 (1), 14-22** [**IF-1.376**]
47. Syad SN, **Devi KP** (2014). Botanics: a potential source of new therapies for Alzheimer's disease. ***Botanics: Targets and Therapy***, 2014, 14, 11-26 (Dove Press)
48. Malar DS, **Devi KP** (2014). Dietary Polyphenols for Treatment of Alzheimer's Disease–Future Research and Development. ***Current Pharmaceutical Biotechnology***, 2014, 15, 330-342 (Bentham Press) **(IF-2.459)**
49. Nisha SA and **Devi KP.** Assessment of mutagenic effect of *G. acerosa* and *S. wightii* in *S. typhimurium* (TA 98, TA 100, TA 1538 strains) and evaluation of their cytotoxic and genotoxic effect in human mononuclear cells – A non-clinical study. ***Biomedical Research International***, **2014, 2014:1-8.** [Hindawi Publishing Corporation] [**IF-2.476**]
50. N Suganthy, K Karthikeyan, G Archunan, Pandian SK, Devi KP. Safety and toxicological evaluation of Rhizopora mucronata (a mangrove from Vellar estuary, India): assessment of mutagenicity, genotoxicity and in vivo acute toxicity. Molecular Biology Reports, 2014, 41(3):1355-71. [Springer] (IF 1.828).
51. Kiruthiga PV, Karthikeyan K, Archunan G, Pandian SK, **Devi KP**. Silymarin prevents benzo(a)pyrene-induced toxicity in Wistar rats by modulating xenobiotic-metabolizing enzymes. ***Toxicology and Industrial Health***. 2014. 31 (6), 523 [Sage Journals] **[IF-1.378]**
52. Kiruthiga PV, Pandian SK, **Devi KP.** Silymarin prevents the toxicity induced by Benzo(a)pyrene in human erythrocytes by preserving its membrane integrity: An *in vitro* study. ***Environmental Toxicology*****,** 2014, 29(2):165-75 [John Wiley and Sons] **[IF-2.937]**
53. Suganthy N, Nisha SA, Pandian SK, **Devi KP.** Evaluation of *Gelidiella acerosa*, the red algae inhabiting South Indian coastal area for antioxidant and metal chelating potential. ***Biomedicine & Preventive Nutrition*****,** 2013, 3(4):399-406**.** [Elsevier]
54. Nisha SA, Pandian SK, **Devi KP.** Antioxidant and anti-cholinesterase activity of *Sargassum wightii*. ***Pharmaceutical Biology***, 2013, 51(11):1401-10. [Informa Heathcare] **[IF-1.916]**
55. **Devi KP**, Sakthivel R, Nisha SA, Suganthy N, Pandian SK. Eugenol alters the integrity of cell membrane and acts against the nosocomial pathogen *Proteus mirabilis*. ***Archieves of Pharmacal Research***, 2013, 36(3):282-292 [Springer] **[IF-2.324]**
56. Nisha SA, Pandian SK, **Devi KP**. Seaweeds as nutritional supplements: Analysis of nutritional profile, physicochemical properties and proximate composition of *G. acerosa* and *S. wightii*. ***Biomedicine & Preventive Nutrition***, 2013; 3(2):139–144 [Elsevier].

57. Suganthy N, Pandian SK and **Devi KP** (2013) Plants traditionally used in age related brain disorders (Dementia) - An ethanopharmacological survey. ***Pharmaceutical Biology***, Apr 51 (4): 492-523 **(IF-1.916)**
58. Nisha SA, Pandian SK, and **Devi KP (2012)**. Assessment of Anticholinesterase Activity of *Gelidiella acerosa* : Implications for Its Therapeutic Potential against Alzheimer's Disease. ***Evidence Based Complementary and Alternative Medicine*****,** , 2012:1-8. [Hindawi Publishing Corporation] **[IF-1.74]**
59. Kiruthiga PV, Shanmuganathan M, Manickavalli S, Pandian SK**, Devi KP.** Silymarin attenuates Benzo(a)pyrene induced toxicity by mitigating ROS production, DNA damage and calcium mediated apoptosis in Peripheral Blood Mononuclear Cells (PBMC). ***Ecotoxicology and Environmental Safety*****,** 2012, 86:79-85 [Elsevier] **[IF- 3.743]**
60. Kiruthiga PV, Mohanasundari V, Pravina M, Pandian SK, **Devi KP**. Study of *p53* exon 4 (codon 72) polymorphism and mutational analysis of exon 7 (codon 249) in breast cancer patients in southern region (Madurai) of Tamil Nadu. ***Asian Pacific Journal of Cancer Prevention*****,** 2012, 13(2):511-6 **[IF-2.514]**
62. Kiruthiga PV, Kannan MR, Saraswathi C, Pandian SK, **Devi KP**. CYP1A1 Gene Polymorphisms: Lack of Associations with Breast Cancer Susceptibility in the Southern Region (Madurai) of India. ***Asian Pacific Journal of Cancer Prevention*****,** 2011;12(8):2133-8 [Asian Pacific Organization for Cancer Prevention] **[IF-2.514]**
63. Ilavarasi K, Kirthiga PV, Pandian SK, **Devi KP.** Hydroxytyrosol, the phenolic compound of olive oil protects human PBMC against oxidative stress and DNA damage mediated by 2,3,7,8- TCDD. ***Chemosphere*** 84(7):888-893 [Elsevier] [**IF - 4.208**]
64. Varatharajan S, Kumar KS, Berchmans S, Amutha R, Kiruthiga PV, Devi KP. Synergistic effect of hydroxy propyl-β-Cyclodextrin encapsulated soluble ferrocene and the gold nanocomposite modified glassy carbon electrode for the estimation of NO in biological systems. Analyst Sep 2010, 135(9):2348-54. [RSC Publishing] [IF-3.791]
65. Kiruthiga PV, Pandian SK, **Devi KP**. Silymarin protects PBMC against B(a)P induced toxicity by replenishing redox status and modulating glutathione metabolizing enzymes - an *in vitro* study. ***Toxicology and Applied Pharmacology*****,** 2010, 247(2):116-28. [Elsevier Publishers] **[IF-3.791]**
66. **Devi KP**, Nisha SA, Sakthivel R, Pandian SK. Eugenol (an essential oil of clove) acts as an antibacterial agent against *Salmonella typhi* by disrupting the cellular membrane**.** ***Journal of Ethnopharmacology*****,** 2010**,** 130(1):107-115. [Elsevier Publishers] **[IF-2.981]**
67. **Devi KP**, Sivamaruthi B, Kiruthiga PV, Pandian SK. Study of p53 codon 72 polymorphism and codon 249 mutations in Southern India in relation to age, alcohol drinking and smoking habits. ***Human and Experimental Toxicology***, 2010, 29(6):451-8. [SAGE Publications] [IF- 1.802]
68. Suganthy N, Pandian SK, **Devi KP (2010)**. Neuroprotective effect of Seaweeds inhabiting South Indian coastal area (Hare Island, Gulf of Mannar Marine Biosphere Reserve): Cholinesterase Inhibitory effect of *Hypnea valentine* and *Ulva reticulate*. ***Neuroscience Letters***, 468(3):216–219 [Elsevier] **[IF-2.18]**
69. Suganthy N, Kesika P, Pandian SK, **Devi KP**. Mangrove Plants Extract: Radical Scavenging Activities and Its Battle against Food Borne Pathogens. ***FORSCH***

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