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**Total Teaching Experience: 14 Years**

**Total Research Experience (exclusive of Ph.D. study): 16 Years**

**Research Area / Specialization(s): Pharmacology of Natural Products**

(Expolaration of drugs from natural sources for the treatment of Alzheimer's disease and Cancer)

#### Guidance / Supervision

Program of Study		Completed	Ongoing
<b>Research</b>	Ph.D.	7	5
	M.Phil.	4	NIL
<b>Project</b>	PG	24	-
	UG / Others	8	-

#### Research Papers

Published in International Journals	Published in National Journals	Presented in International Conferences	Presented in National Conferences
94	-	44	46

#### Funded Research Projects (Completed)

	Agency	Period		Project Title	Budget (Rs. in lakhs)
		From	To		
1	SERC Fast Track Proposals for Young Scientist	01.12.2004	30.11.2007	Antioxidant properties of Olive oil: Possible role in preventing environmental immunotoxicity and associated oxidative stress	10.02

	scheme 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	11.34
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	15.357
4	DST, India	01.12.2012	30.11.2015	Evaluation of the effect of Padina gymnospora against -amyloid peptide (25-35) induced neurotoxicity: An in-vitro study	28.64

### Funded Research Projects (Ongoing)

	Agency	Period		Project Title	Budget (Rs. in lakhs)
		From	To		
1	DBT, India	29.7.2015	28.5.2019	Drug discovery from medicinal plants: Anti-cancer effect of <i>Grewia tiliaefolia</i> Vahl (Tiliaceae) leaf extracts	24.925

**Number of Seminars / Conferences / Workshops / Events attended : 59**

**Number of Seminars / Conferences / Workshops / Events organized : 3**

**Number of Invited / Special Lectures delivered : 11**

**Number of Books / Chapters / Monographs / Manuals written : 19**

### Achievements / Awards / Honours

- Appreciation Award, 2018 by Alagappa University, Karaikudi
- Women Scientist Award, 2014 by Biotech Research Society of India (BRSI)
- Tamil Nadu Young Women Scientist Award, 2010 by Science City, Department of Higher Education, Government of Tamil Nadu
- DST-SERC Young Scientist Award, 2004
- State Level Educational Testing (SLET) for Lectureship conducted by Government of Tamil Nadu, India.
- National Eligibility Test (NET) for Professor/Assistant Professor conducted by Agricultural Scientist Recruitment Board (ASRB), New Delhi, India

## Membership in Professional / National / International Bodies

- Life Member of The Indian Science Congress Association, Kolkatta
- Life Member of Society of Biological Chemists, Bangalore
- Life Member of Proteomics Society, India
- Life Member of BRSI, India

## Additional Responsibilities

- Member of Standing Committee on Academic Affairs of Alagappa Univeristy, Karaikudi
- Warden, Science Block Womens Hostel, Alagappa University (Feb 2014 to May 2016)

## Countries Visited

- Department of Peptide Chemistry, CSIC, Barcelona, Spain

## List of Publication

### 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], June 2018, 153, Page 1-140. [IF- 4.816]

### PUBLICATIONS IN JOURNALS

1. Sakthivel R, Malar DS, Archunan G, **Devi KP**. Phytol ameliorated Benzo(a)pyrene induced lung carcinogenesis in Swiss albino mice via inhibition of oxidative stress and apoptosis *Environmental Toxicology* Accepted [John Wiley & Sons] (IF- 2.491)
2. Nisha SA, Devi KP. *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. Suryanarayanan V, Rajavel T, **Devi KP**, Singh SK. Structure based identification and biological evaluation of novel and potent inhibitors of PCAF catalytic domain. *International Journal of Biological Macromolecules* 120 (Part A), December 2018, 823-834 [Elsevier] (IF- 3.909)
4. Das M, Prakash S, Nayak C, Thangavel N, Singh SK, Manisankar P, **Devi KP (2018)**. Dihydroactinidiolide, a natural product against A $\beta$ 25-35 induced toxicity in Neuro2A cells: Synthesis, *in silico* and *in vitro* studies. *Bioorganic Chemistry*, 81, Sep, 340–349 [Elsevier] (IF- 3.929)
5. Sakthivel R, Malar DS, **Devi KP (2018)**. Phytol shows anti-angiogenic activity and induces apoptosis in A549 cells by depolarizing the mitochondrial membrane potential. *Biomedicine & Pharmacotherapy*. Sep 105, 742-752 [Elsevier] (IF- 3.457)
6. Sathya, S., Shanmuganathan, B., Manirathinam G., Ruckmani, K., & **Devi KP (2018)**.  $\alpha$ -Bisabolol loaded solid lipid nanoparticles attenuates A $\beta$  aggregation and protects Neuro-2a

- cells from A $\beta$  induced neurotoxicity. *Journal of Molecular Liquids*. 264, 431-441 [Elsevier] (IF- 4.513)
7. Malar DS, Prasanth MI, Shafreen RB, Balamurugan K, **Devi KP**. *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- 3.234)
  8. Malar DS, Suryanarayanan V, Prasanth MI, Singh SK, Balamurugan K, **Devi KP** (2018). Vitexin inhibits A $\beta$ <sub>25-35</sub> induced toxicity in Neuro-2a cells by augmenting Nrf-2/HO-1 dependent antioxidant pathway and regulating lipid homeostasis by the activation of LXR- $\alpha$ . *Toxicology in Vitro*. 50, 160-171 [Elsevier] (IF- 3.105)
  9. Pugazhendhi A, Shafreen RB, **Devi KP**, Suganthy N. (2018). Assessment of antioxidant, anticholinesterase and anti-amyloidogenic 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- 4.513)
  10. Rajavel T, Packiyaraj P, Suryanarayanan V, Singh SK, Ruckmani K, **Devi KP**. (2018).  $\beta$ -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- 4.122)
  11. Shanmuganathan B, Suryanarayanan V, Sathya S, Narenkumar M, Singh SK, Ruckmani K, **Devi KP**. (2018). Anti-amyloidogenic and anti-apoptotic effect of  $\alpha$ -bisabolol against A $\beta$  induced neurotoxicity in PC12 cells. *European Journal of Medicinal Chemistry*, Jan 144(1), 1196-1207 [Elsevier] (IF- 4.816)
  12. Nabavi SM, Ahmed T, Nawaz M, **Devi KP**, Balan DJ et al., Targeting STATs in neuroinflammation: the Road Less Traveled!. *Pharmacological Research* [Elsevier] (Accepted). (IF-4.897)
  13. Srinivasan R, Vigneshwari L, Rajavel T, Durgadevi R, Kannappan A, Balamurugan K, Devi KP, Veera Ravi A. 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. *Environ Sci Pollut Res Int*. 2017 Dec 29. doi: 10.1007/s11356-017-1049-0. [Epub ahead of print] (IF- 2.8)
  14. Sathya, S., Shanmuganathan, B., Saranya, S., Vaidevi, S., Ruckmani, K., & Devi KP (2017). Phytol-loaded PLGA nanoparticle as a modulator of Alzheimer's toxic A $\beta$  peptide aggregation and fibrillation associated with impaired neuronal cell function. *Artificial Cells, Nanomedicine, and Biotechnology*, Oct, 1-12. (IF- 3.026)
  15. 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*. Jun 13;7(1):3418. (IF- 4.122)
  16. Nisha AS, **Devi KP** (2017). *Gelidiella acerosa* protects against A $\beta$ <sub>25-35</sub> induced toxicity and memory impairment in Swiss Albino mice: An *in vivo* report. *Pharmaceutical Biology*. Dec;55(1):1423-1435. [Taylor and Francis] (IF-1.546)
  17. 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* Dec, 55(1):381-393. [Taylor and Francis] (IF-1.546)
  18. 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] 2017 Dec 6. pii: S0734-9750(17)30153-2. (IF- 11.452)

19. 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] 2017 Oct 3. doi: 10.2174/0929867324666171003114154 (IF- 3.469)
20. 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 polyphenolic antioxidants. *Biochemie* [Elsevier] 2017 Nov;142:63-79. (IF- 3.188)
21. **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] Oct;46:146-157. (IF- 10.198)
22. **Devi KP**, Shanmuganathan B, Manayi A, Nabavi SF, Nabavi SM (2017). Molecular and Therapeutic Targets of Genistein in Alzheimer's disease. *Molecular Neurobiology* [Springer] 2017 Nov, 54:7028–7041 (IF- 5.076)
23. **Devi KP**, Malar DS, Braidy N, Nabavi SM and Nabavi SF (2017). A mini review on the chemistry and neuroprotective effects of silymarin. *Current Drug Targets* 2017;18(13):1529-1536 18 [Bentham Science] (IF- 3.112)
24. Suganthy N, Malar DS, **Devi KP** (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- 1.449)
25. 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- 2.481)
26. Suganthy N, Malar DS, **Devi KP** (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 [Springer Science] (IF- 2.441)
27. Suganthy N, **Devi KP** (2016). Protective effect of catechin rich extract of *Rhizophora mucronata* against  $\beta$ - amyloid -Induced toxicity in PC12 Cells. *Journal of Applied Biomedicine*, 14 (2) (Aug), 137-146. [Elsevier] (IF- 1.783)
28. 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- 2.401)
29. 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.
30. Ilavarasi K, Archunan G, Muniasamy S, Malar DS, **Devi KP** (2016). Olive oil and its phenolic compounds (hydroxytyrosol and tyrosol) ameliorated TCDD induced hepatotoxicity in rats via inhibition of oxidative stress and apoptosis. *Pharmaceutical Biology*, May 54(2), 338-46 [Informa Healthcare], [IF- 1.918]
31. 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- 1.918]
32. 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- 2.8]
33. 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- 3.289)
34. 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-1.918]
35. 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* Dec, 84, 892–908 [Elsevier] (IF- 3.457)
36. 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)
37. 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: 8.973)
38. 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- 4.946)
39. Shanmuganathan B, Malar DS, Sathya S, Devi KP (2015). Antiaggregation Potential of *Padina gymnospora* against the Toxic Alzheimer’s Beta-Amyloid Peptide<sub>25–35</sub> and Cholinesterase Inhibitory Property of Its Bioactive Compounds. *PLOS ONE*. Nov, 10(11): e0141708. doi:10.1371/journal.pone.0141708 (IF- 2.766)
40. 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- 1.928)
41. 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- 2.815]
42. 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- 4.946]
43. 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- 1.531]
44. 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- 1.449]
45. 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- 2.556)

46. **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- 4.897)
47. 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- 2.645)
48. 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- 6.853).
49. **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- 3.849)
50. 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- 6.081)
51. **Devi KP**, Rajavel T, Habtemariam S, Nabavi SF, Nabavi SM (2015). Molecular mechanisms underlying anticancer effects of myricetin. *Life Sciences*, 1;142:19-25. doi: 10.1016/j.lfs.2015.10.004. [IF- 3.234]
52. 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- 2.583]
53. 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- 1.889).
54. 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- 1.255]
55. 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- 2.491]
56. Syad SN, **Devi KP** (2014). Botanic: a potential source of new therapies for Alzheimer's disease. *Botanics: Targets and Therapy*, 2014, 14, 11-26 (Dove Press)
57. 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- 1.819)
58. 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]
59. Nisha SA, Pandian SK, **Devi KP**. Antioxidant and anti-cholinesterase activity of *Sargassum wightii*. *Pharmaceutical Biology*, 2013, 51(11):1401-10. [Informa Healthcare] [IF- 1.918]
60. **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*. *Archives of Pharmacol Research*, 2013, 36(3):282-292 [Springer] [IF- 2.33]

61. 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].
62. Suganthy N, Pandian SK and **Devi KP** (2013) Plants traditionally used in age related brain disorders (Dementia) - An ethnopharmacological survey. *Pharmaceutical Biology*, Apr 51 (4): 492-523 **[IF-1.918]**
63. 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- 2.064]**
64. 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- 3.974]**
65. 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]**
67. 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]**
68. Ilavarasi K, Kiruthiga 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 - 4.427]**
69. 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-3.864]**
70. 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- 3.616]**
71. **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- 3.115]**
72. **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- 1.84]**
73. 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 reticulata*. *Neuroscience Letters*, 468(3):216–219 [Elsevier] **[IF- 2.159]**
74. Suganthy N, Kesika P, Pandian SK, **Devi KP**. Mangrove Plants Extract: Radical Scavenging Activities and Its Battle against Food Borne Pathogens. *FORSCH*



- KOMPLEMENTMED/Research in Complementary Medicine*, 2009, 16(1):41-48 [Karger Press][**IF-1.059**]
75. Suganthy N, Pandian SK, **Devi KP** (2009). Cholinesterase inhibitors from *Sargassum* and *Gracilaria gracilis*: Seaweeds inhabiting South Indian coastal area (Hare Island, Gulf of Mannar). *Natural Product Research*, 23(4):355-369. [Taylor and Francis, UK] [**IF- 1.928**]
76. Suganthy N, Pandian SK, **Devi KP** (2009). Cholinesterase inhibitory effects of *Rhizophora lamarckii*, *Avicennia officinalis*, *Sesuvium portulacastrum* and *Suevada monica*: Mangroves inhabiting Indian coastal area (Vellar Estuary). *Journal of Enzyme Inhibition and Medicinal Chemistry*, 24(3):702-707 [Taylor and Francis] [**IF- 3.638**]
77. **Devi KP**, Kiruthiga PV, Pandian SK (2009). Emerging Role of Flavonoids in Inhibition of NF-kB-Mediated Signaling Pathway: A Mini Review. In: Chattopadhyay D (Ed) Ethnomedicinal Phytophores in Disease Management. *International Journal of Biomedical and Pharmaceutical Sciences* 3 (Special Issue 1), 31-45
78. Suganthy N, Pandian SK and **Devi KP** (2009). Cholinesterase inhibitors from plants: Possible treatment strategy for neurological disorders- A Mini Review. In: Chattopadhyay D (Ed) Ethnomedicinal Phytophores in Disease Management. *International Journal of Biomedical and Pharmaceutical Sciences* 3 (Special Issue 1), 87-103
79. **Devi KP**, Suganthy N, Kesika P, Pandian SK. Bioprotective properties of seaweeds: *In vitro* evaluation of antioxidant activity and antimicrobial activity against food borne bacteria in relation to polyphenolic content. *BMC Complementary and Alternative Medicine*, 2008, 8:38 [Biomed Central Ltd, UK] [**IF- 2.109**]
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