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Associate Professor

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Academic Qualifications: M.Sc., Ph.D., D.Sc.,

Teaching and Research Experience: 19 years +

Areas of Research

- Exploring multi target anticancer and anti-Alzheimer's natural product leads through *in silico*, *in vitro* and *in vivo* approaches
- Elucidation of molecular mechanism underlying the anticancer and neuroprotective effect
- Enhancing the bioavailability and drug delivery of natural leads by nano encapsulation.

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	Post Doc	-	1
	Ph.D.	09	05
	M.Phil.	4	NIL
Project	PG	24	3

	UG /Others	08	-
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Publications

International		National		Others
Journals (SCI)	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
105	56	--	47	22

Cumulative Impact Factor (as per JCR) : 322.86

h-index : 30

i10 index : 73

Total Citations : 3300

<https://scholar.google.com/citations?user=Q3R1A9IAAAAJ&hl=en&oi=sra>

Research Projects

Sl. No.	Funding Agency	Title of the Project	Duration	Amount in lakh Rs.
1.	ICMR, India (GIA/2019/000 069/PRCGIA)	Evaluating the neuro protective effect of Hesperidin Methyl Chalcone against Alzheimer's disease through in silico, in vitro and in vivo approach	Sanctioned in March 2020	15.87
2.	DBT, India (6242-P21/RGCB/PMD /DBT/PMDK/20 15)	Drug discovery from medicinal plants: Anti-cancer effect of <i>Grewia tiliifolia</i> Vahl (Tiliaceae) leaf extracts	29.7.2015-28.5.2019	24.925
3.	DST, India (SB/SO/AS-22/2012)	Evaluation of the effect of <i>Padina gymnospora</i> against Beta-amyloid peptide (25-35) induced neurotoxicity: An <i>in-vitro</i> study	21.12.201-21.12.2015	27.23
4.	ICMR, India (D.O.No.59/12/2007/BMS/TRM)	<i>Gelidiella acerosa</i> : Seaweed inhabiting gulf of mannar: Assessment of the possible suppression of dioxin mediated Immunotoxicity	26.7.2010-25.7.2013	15.24

5.	UGC, India (F. No. 36-6/2008 (SR))	Seaweeds inhabiting South Indian coastal area: Possible drugs for the treatment of neurodegenerative disorders	01.05.2009 30.04.2012	12.71
6.	SERC Fast Track Proposals for Young Scientist scheme sponsored by DST, India (Award no. SR/FT/L-32/2004)	Antioxidant properties of Olive oil: Possible role in preventing environmental immunotoxicity and associated oxidative stress	21.12.2004 - 20.12.2007	10.02
7.	TNSCT, Tamil Nadu	99“Testing synthesized dihydroactinidiolide for its efficacy against Alzheimer’s Disease in Neuroblastoma cells ” (Feb 2019 – April 2019)	01.02.2019 - 31.04.2019	0.1
8.	TNSCT, Tamil Nadu	“Scavenging capacities of mangrove plants/seaweed extracts against free radicals- In vitro evaluation”	01.12.2019 - 31.04.2019	0.1

Employment (Past & Present)

1. May 2003- Till date
Faculty in Department of Biotechnology, Alagappa University, Karaikudi, Tamil Nadu
2. March 2002- March 2003
Postdoctoral trainee, Department of Peptide Chemistry, CSIC, Barcelona, Spain
3. Feb 2001- Sep 2001
Project associate in National Institute of Immunology, New Delhi, India in the project “Isolation and characterization of genes encoding sperm surface antigens by screening human testis expression cDNA Lib: Identification of a candidate molecule(s) for development of contraceptive vaccine”
4. Sep 1995 to April 1996
Lecturer in Department of Biochemistry, S.Chattanatha Karayalar College of Arts and Sciences, Tenkasi, INDIA

Distinctive Achievements / Awards

- 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

Fellowships Received

1. Junior Research Fellowship by Tamil Nadu Government (TN-JRF)
2. Junior Research Fellowship by Rameshwardasji Birla Smarak Kosh, Mumbai, India.
3. Senior Research Fellowship by Council of Scientific and Industrial Research. (CSIR), 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)

Events organized

Number of Seminars / Conferences / Workshops / Events organized: **04**

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. **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

2. Feb 2000

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

3. 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

Department of Peptide Chemistry, CSIC, Barcelona, Spain

Editorial Board

1. Editorial Board Member of the Journal Current Biotechnology, Bentham Science Publishers, The Netherlands
2. Editorial Advisory Board Member of the Journal Mini-Reviews in Medicinal Chemistry (Impact Factor- 2.645), Bentham Science Publishers, The Netherlands
3. Editorial Board Member for the Journal Pharmacognosy Magazine, Publication from Phcog.Net, Bangalore, INDIA and published by Wolters Kluwer - Medknow Publications and Media Pvt. Ltd, Mumbai, INDIA (Impact Factor- 1.525)
4. Editorial Board Member for the Journal of Nutrition, Food and Lipid Science. Ocimum Scientific Publishers, Australia
5. Editorial Board Member for the journal 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

Special & Invited Lectures Delivered

1. **International Conference on Biotechnological Research and Innovation for Sustainable Development (BioSD-2018) and the XV Convention of the Biotech Research Society, India.** 22-25 November 2018, organized by CSIR-Indian Institute of Chemical Technology, Hyderabad, India. Title: Bioactive compounds from Indian medicinal plant *Grewia tiliaefolia* induces apoptosis by inhibition of Trx/Trxr1 pathway and p53 activation in non-small cell lung cancer cells
2. **Science Academies Lecture Workshop on “Innovations and Challenges in Biosciences”,** 19th Sep 2018, organized by J.J. College of Arts and Sciences, Pudukkottai
3. **DBT Popular Lectures on Biotechnology,** 18 July, 2018, organized by Rajah Serfoji Government College (Autonomous), Thanjavur. Title: Tumor Immunobiology
4. **International Conference on current trends in Biotechnology (ICCB-2016),** 8-10 December 2016, organized by Biotech Research Society of India (BRSI) in VIT, Vellore. Title: Multi-targeted neurotherapeutics against Alzheimer's disease: Evaluating the role of *Grewia tiliaefolia* and its active constituent in preventing A β induced proteotoxicity
5. **National Conference on New Frontiers and Innovative Trends in Biosciences,** 02.09.2016 organized by J.J. College of Arts and Science, Pudukkottai. Title: “Nutraceuticals as potential therapeutic agents for treatment of Alzheimer's disease”
6. **National Seminar on “Recent Advances in Microbiology”,** 29.2.2016 organized by Dr.Umayal Ramanathan College for Women, Karaikudi. Title: Natural products: New leads in antimicrobial drug discovery
7. **“Bioperk” Department Special Lecture on “Significance and applications of cell lines in Drug discovery”** in JJ College of Arts and Sciences, Pudukkottai, 8th Jan, 2016.
8. **ICMR sponsored National Seminar on “Malnutrition and its Impacts among women- Effective Remedy through herbals for sustainable Health care”,** 25.01.2014. Organized by Periyar Maniammai University, Thanjavur. Title: Role of nutraceuticals in disease prevention
9. **National Seminar on “Recent Technologies and best practices in Herbal drug Industry (RTBPHDR-2012),** November 9 & 10, 2012, organized by Periyar Maniammai University, Thanjavur. Title: Role of traditional drugs in mitigating Amyloid- β peptide induced toxicity in Alzheimer's disease
10. **National Symposium on Emerging Trends in Life Sciences”,** March 17-19, 2010, organized by Rajah Serfoji Govt College (Autonomous), Thanjavore. Title: Environmental pollution: Sources, toxic health effects and its prevention by natural products
11. **International Conference on Climate Change and Bioresource (ICCCB-2010),** 9 to 12th February 2010 at Bharathidasan University, Tiruchirappalli. Title: “Disruption of *Proteus mirabilis* cellular membrane by eugenol, a natural therapeutic agent”

Others

1. No. of PhD Thesis evaluated : 10
2. No. of PhD Public Viva Voce Examination conducted : 10

BOOKS EDITED

1. ***Food Additives and Human Health*** Editor(s): Nabavi SM, Loizzo MR, Tundis R, Nabavi SF, Devi KP and Silva AS. (2019). Bentham Science Publishers

2. *Recent advances in the molecular mechanism of flavonoids*. Editor: **Devi KP** (2018). Studium Press, India

GUEST EDITOR-SPECIAL ISSUE

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 SCI JOURNALS

Year 2020

1. Sathya S, Manogari BG, Thamaraiselvi K, Vaidevi S, Ruckmani K, **Devi KP**. Phytol loaded PLGA nanoparticles ameliorate scopolamine induced cognitive dysfunction by attenuating acetylcholinesterase activity, oxidative stress and apoptosis in Wistar rat. *Nutritional Neuroscience* (Taylor and Francis) (Accepted) **(IF- 3.765)**
2. Sathya S, Shanmuganathan S, **Devi KP** (2020). Deciphering the anti-apoptotic potential of α -bisabolol loaded solid lipid nanoparticles against A β induced neurotoxicity in Neuro-2a cells. *Colloids and Surfaces B: Biointerfaces*, Jun;190:110948. [Elsevier] **(IF- 3.973)**
3. Sathya S, Shanmuganathan S, Balasubramaniam B, Balamurugan K, **Devi KP** (2020). Phytol loaded PLGA nanoparticles regulate the expression of Alzheimer's related genes and neuronal apoptosis against amyloid- β induced toxicity in Neuro-2a cells and transgenic *Caenorhabditis elegans*. *Food and Chemical Toxicology* Volume 136, February 2020, 110962 [Elsevier] **(IF- 3.775)**
4. Kiruthiga C, **Devi KP**, Nabavi SM and Bishayee A. Autophagy: A Potential Therapeutic Target of Polyphenols in Hepatocellular Carcinoma. *Cancers*, 12(3), 562 [MDPI Journals]. **(IF-6.162)**
5. Sanches-Silva A, Testai T, Nabavi SF, Battino M, **Devi KP** et al., Therapeutic potential of polyphenols in cardiovascular diseases: regulation of mTOR signaling pathway. *Pharmacological Research*, 152, 104626 [Elsevier]. **(IF-5.574)**

Year 2019

6. Shanmuganathan B, Sathya S, Balasubramaniam B, Balamurugan K, **Devi KP**. Amyloid- β induced neuropathological actions are suppressed by *Padina gymnospora* (Phaeophyceae) and its active constituent α -bisabolol in Neuro2a cells and transgenic *Caenorhabditis elegans* Alzheimer's model. *Nitric Oxide* Oct 1;91:52-66 [Elsevier] **(IF- 3.371)**
7. Jeyakumar M, Sathya S, Gandhi S, Tharra P, Suryanarayanan V, Singh SK, Baire B, **Devi KP** (2019). α -bisabolol β -D-fucopyranoside as a potential modulator of β -Amyloid peptide induced neurotoxicity: an *in vitro* & *in silico* study. *Bioorganic Chemistry* Jul;88:102935 [Elsevier] **(IF- 3.929)**

8. Rajavel R, Priya GB, Suryanarayanan V, Singh SK, **Devi KP**. Daucosterol disturbs redox homeostasis and elicits oxidative-stress mediated apoptosis in A549 cells via targeting thioredoxin reductase by a p53 dependent mechanism. *European Journal of Pharmacology*. [Elsevier] Vol 855, I, B 112-E 123 (IF- 3.040)
9. Nisha SA, **Devi KP** (2019). Gelidiella acerosa exhibits neuroprotective effect against amyloid beta 25-35 peptide induced toxicity in PC12 cells. *Journal of Dietary Supplements*. 16:5, 491-505 [Taylor and Francis] (IF- 2.150)
10. 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* 2019 Apr; 34(4):355-363 [John Wiley & Sons] (IF- 2.649)
11. Nabavi SM, Talarek S, Listos J, Nabavi SF, **Devi KP** et al., Phosphodiesterase inhibitors say NO to Alzheimer's disease. *Food and Chemical Toxicology*, 134, December 2019, 110822 [Elsevier]. (IF-3.775)
12. Berindan-Neagoa I, Salaritabard A, Darvishe B, Hadjiakhoondi F, Manay A, **Devi KP** et al., Targeting Hedgehog signaling pathway: Paving the road for cancer therapy. *Pharmacological Research* 141:466-48 [Elsevier]. (IF-5.574)
13. 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], 26, 1-11. (IF-3.249)
14. Nabavi SM, Ahmed T, Nawaz M, **Devi KP**, Balan DJ et al., (2019). Targeting STATs in neuroinflammation: The road less traveled! *Pharmacological Research* 141:73-84 [Elsevier] (IF-5.574)
15. Nabavi SF, Sureda A, Dehpour AR, Shirooie S, Silva AS, Banach M, **Devi KP** et al., (2019). Novel therapeutic strategies for stroke: the role of autophagy. *Critical Reviews in Clinical Laboratory Sciences* 56 (3), 182- 199 [Taylor and Francis] (Accepted). (IF-6.481)
16. Das M and Devi KP. A Mini Review on the Protective Effect of Lignans for the Treatment of Neurodegenerative Disorders. *J Nutr Food Lipid Sci* 2019(1): 40-53. [Ocimum Publishers].

Year 2018

17. 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- 3.671)
18. Das M, Prakash S, Nayak C, Thangavel N, Singh SK, Manisankar P, **Devi KP** (2018). Dihydroactinidinolide, a natural product against A β 25-35 induced toxicity in Neuro2A cells: Synthesis, *in silico* and *in vitro* studies. *Bioorganic Chemistry*, 81, Sep, 340–349 [Elsevier] (IF- 3.929)
19. 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)
20. Sathya, S., Shanmuganathan, B., Manirathinam G., Ruckmani, K., & **Devi KP** (2018). α -Bisabolol loaded solid lipid nanoparticles attenuates A β aggregation and protects Neuro-

2a cells from A β induced neurotoxicity. *Journal of Molecular Liquids*. Aug : 264, 431-441 [Elsevier] (IF- 4.51)

21. 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- 2.936)
22. Malar DS, Suryanarayanan V, Prasanth MI, Singh SK, Balamurugan K, **Devi KP (2018)**. Vitexin inhibits A β ₂₅₋₃₅ 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- 3.103)
23. 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- 4.51)
24. 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)
25. Shanmuganathan B, Suryanarayanan V, Sathya S, Narenkumar M, Singh SK, Ruckmani K, **Devi KP**. (2018). Anti-amyloidogenic and anti-apoptotic effect of α -bisabolol against A β induced neurotoxicity in PC12 cells. *European Journal of Medicinal Chemistry*, Jan 144(1), 1196-1207 [Elsevier] (IF- 4.519)

Year 2017

26. 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- 2.741)
27. 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 β peptide aggregation and fibrillation associated with impaired neuronal cell function. *Artificial Cells, Nanomedicine, and Biotechnology*, Oct, 1-12. (IF- 3.02)
28. 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- 4.259)
29. Nisha AS, **Devi KP (2017)**. *Gelidiella acerosa* protects against A β 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-1.546)
30. 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)

31. Nabavi SF, Sureda A, Dehpour AR, Shirooie S, Silva AS, Devi KP, Ahmed T, Ishaq N, Hashim R, Sobarzo-Sánchez E, Daglia M, Braidly 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-11.45)
32. 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. *Biochimie*[Elsevier] 2017 Nov;142:63-79. (IF-3.112)
33. **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-10.19)
34. **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- 6.19)
35. **Devi KP**, Malar DS, Braidly 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-3.029)

Year 2016

36. 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-1.418)
37. 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-2.205)
38. 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-2.638)
39. 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-1.78)
40. 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-2.559)
41. 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.
42. 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-1.91]

43. 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], Vol 54, I 10, [IF-1.91]
44. 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- 2.757]
45. 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- 3.247)
46. 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-1.91]
47. 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- 3.45)
48. 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: 3.611)
49. 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: 8.97)
50. 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-4.94)

Year 2015

51. Shanmuganathan B, Malar DS, Sathya S, Devi KP (2015). Antiaggregation Potential of *Padina gymnospora* against the Toxic Alzheimer's Beta-Amyloid Peptide₂₅₋₃₅ and Cholinesterase Inhibitory Property of Its Bioactive Compounds. *PLOS ONE*. Nov, 10(11): e0141708. doi:10.1371/journal.pone.0141708 (IF-3.234)
52. 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- 1.057)
53. 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-2.031]

54. 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-4.94]
55. 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-1.233]
56. 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-1.439]
57. **Devi KP**, Rajavel T, Russo GL, Daglia M, Nabavi SF, Nabavi SM (2015). Molecular targets of omega-3fatty acids for cancer therapy. *Anti-Cancer Agents in Medicinal Chemistry*, 15(10), 1-9. Bentham Science Publishers (IF-2.722)
58. **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-4.408)
59. 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-2.903)
60. 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-6.85).
61. **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-3.84)
62. 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-7.234)
63. **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-3.23]

Year 2014

64. 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-2.706]
65. 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 2.024).

66. 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- 1.859]
67. 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-3.197]

Year 2013

68. 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]
69. Nisha SA, Pandian SK, **Devi KP**. Antioxidant and anti-cholinesterase activity of *Sargassum wightii*. *Pharmaceutical Biology*, 2013, 51(11):1401-10. [Informa Healthcare] [IF-1.91]
70. **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 Pharmacal Research*, 2013, 36(3):282-292 [Springer] [IF-1.751]
71. 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]. SNIP-1.034
72. 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)
73. 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-2.511)
74. 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-1.337)

Year 2012

75. 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-2.06]
76. 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- 3.97]
77. 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]

Year 2011

78. 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]

79. Ilavarasi K, Kiruthiga PV, Pandian SK, **Devi KP.(2011)** 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]

Year 2010

80. 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-3.913]
81. 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-3.993]
82. **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-2.466]
83. **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-1.211]
84. 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-2.055]

Year 2009

85. 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]
86. 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-1.92]
87. 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-1.617]
88. **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
89. 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

Year 2008

90. **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-2.195]
91. **Devi KP**, Kiruthiga PV, Pandian SK, Archunan G and Arun S. Olive oil protects rat liver microsomes against benzo(a)pyrene induced oxidative damages- an *in vitro* study. *Molecular Nutrition and Food Research*, 2008, 52:S95-102 [Wiley-VCH Verlag] [IF-5.15] [Most accessed in 07/2010]

Year 2007

92. Kiruthiga PV, Shafreen RB, Pandian SK, **Devi KP**. Silymarin protection against major reactive oxygen species released by environmental toxins: -Exogenous H₂O₂ exposure in erythrocytes. *Basic and Clinical Pharmacology and Toxicology*, 2007, 100(6):414-419 [Blackwell Publishers] [IF-2.371]
93. Kiruthiga PV, Shafreen RB, Pandian SK, Arun S, Govindu S, **Devi KP**. Protective effect of silymarin on erythrocyte haemolysate against benzo(a)pyrene and exogenous reactive oxygen species (H₂O₂) induced oxidative stress. *Chemosphere*, 2007, 68(8):1511-1518 [Elsevier] [IF-4.42]

Year 2006

94. Perez ML, Gomara MJ, **Devi KP**, Alonso A, Vinas O, Ercilla G, Sanmarti R, Haro I. Synthesis of overlapping fibrin citrullinated peptides and their use for diagnosing rheumatoid arthritis. *Chemical Biology and Drug Design*, 2006, 68(4):194-200. [Blackwell Publishers] [IF-2.527]

Year 2005

95. **Devi KP**, Pandian SK and Kumar NSS. Cholinestrase activity in clam *Meretrix casta*: Possible biomarker for organophosphate pesticide pollution. *Bulletin of Environmental Contamination and Toxicology*. 2005, 74(2):250-5 [Springer-Verlag publishers, USA] [IF-1.139]
96. **Devi KP**, Sreepriya M, Balakrishna K, Devaki T. Protective effect of *Premna tomentosa* extract (L. Verbanaceae) on acetaminophen induced mitochondrial dysfunction in rats. *Molecular and Cellular Biochemistry*, 2005, 272(1-2):171-177 [Springer Science Business Media B.V, The Netherlands] [IF-2.057]

Year 2004

97. **Devi KP**, Sreepriya M, Balakrishna K, Devaki T. Protective effect of *Premna tomentosa* (L.Verbanaceae) extract on membrane bound phosphatases and inorganic cations transport in acetaminophen induced hepatotoxicity rats. *J Ethnopharmacol*. 2004, 93(2-3):371-5. [Elsevier Publishers] [IF-3.114]
98. **Devi KP**, Ram SM, Sreepriya M, Ilavazhagan G, Devaki T, Selvamurthy W. Immunomodulatory effects of *Premna tomentosa* (L.Verbanaceae) extract in J 779 macrophage cell cultures under Cr (VI) induced immunosuppression. *J Altern Complement Med*. 2004, 10(3):535-9. [Mary Ann Liebert, Inc., USA] [IF-1.498]

99. **Devi KP**, Sreepriya M, Balakrishna K, Veluchamy G, Devaki T. Assessment of the protective potential of *Premna tomentosa* (L.Verbanacea) extract on lipid profile and lipid metabolizing enzymes in acetaminophen intoxicated rats. *J Altern Complement Med*. 2004, 10(3):540-6. [Mary Ann Liebert, Inc., USA] [IF-1.498]

Year 2003

100. **Devi KP**, Sreepriya M, Devaki T, Balakrishna K. Anti-nociceptive and hypnotic effects of *Premna tomentosa* L.(Verbanacae) in experimental animals. *Pharmacology Biochemistry and Behaviour*, 2003, 75(2):261–264 [Elsevier Publishers] [IF-2.624]
101. **Devi KP**, Ram MS, Sreepriya M, Ilavazhagan G, Devaki T. Immunomodulatory effects of *Premna tomentosa* extract against Cr (VI) induced toxicity in splenic lymphocytes - an *in vitro* study. *Biomedicine and Pharmacotherapy*, 2003, 57(2): 105-108. [Elsevier Publishers] [IF-2.208]
102. Anandan R, **Devi KP**, Devaki T, Govindaraju P. Protective effects of *Picrorhiza kurroa* against D-Galactosamine induced hepatitis in rats. *Medical Science Research*, 1999, 27(2), 127-130. [Chapman & Hall Publishers, UK] [IF-0.384]
103. **Devi KP**, Devaki T. Protective effect of *Premna tomentosa* on acetaminophen- induced acute hepatitis in rats. *Medical Science Research*, 1998, 26:785-787. [Chapman & Hall Publishers, UK] [IF-0.384]
104. **KP Devi**, Anandan R, Balakrishna K, Devaki T. 1998. Effect of *Premna tomentosa* on rat liver antioxidant defence system in acetaminophen intoxicated rats. *Biomedical Research*, 19(5):339-342. [Biomedical Research Foundation, Japan] [IF-1.263]
105. Anandan R, Sreepriya M, **Devi KP**, Devaki T. 1998. Preventive effects of *Picrorhiza kurroa* on D-Galactosamine - induced hepatitis in rats. *Journal of Clinical Biochemistry and Nutrition*, 25:87-95. [Institute of Applied Biochemistry, Japan] [IF-1.609]

REVIEW ARTICLES IN BOOKS

1. Saravana priya, **Devi KP** (2020). Plant extracts with putative hepatotoxicity activity. In: *Influence of Nutrients, Bioactive Compounds and Plant Extracts in Liver Diseases* [Elsevier] (Accepted)
2. Jaya balan D, **Devi KP** (2020). Emulsifiers. In: Nabavi SM, Loizzo MR, Tundis R, Nabavi SF, Devi KP, Silva AS (Ed). *Food Additives and Human Health* [Bentham Science]. Pages 212-227 [ISBN: 978-981-14-4613-9]
3. Jeyakumar M, **Devi KP**. (2020). Flavour Enhancers. In: Nabavi SM, Loizzo MR, Tundis R, Nabavi SF, Devi KP, Silva AS (Ed). *Food Additives and Human Health* [Bentham Science]. Pages 154-169 [ISBN: 978-981-14-4613-9]
4. Sakthivel R, **Devi KP** (2019). Antioxidant, anti-inflammatory and anticancer potential of natural bioactive compounds from seaweeds. In: Atta-ur-Rahman (Ed) *Studies in Natural Products Chemistry"* (Bioactive Natural Products), Volume 63, Pages 113-160 [ISBN: 978-0-12-817901-7; ISSN: 1572-5995] [Elsevier]
5. Das M, **Devi KP**. (2018) Potential role of curcumin and its derivatives against Alzheimer disease. In: Tahira and Akhlaq Farooqui (Ed). *Curcumin for Neurological and*

- Psychiatric Disorders: Neurochemical and Pharmacological Properties*. [Elsevier] (Accepted)
6. Rajavel T, **Devi KP** (2018). Phytochemicals as epigenetic modifiers for cancer management with special reference to lung cancer. In: Anupam Bishayee and Deepak Bhatia (Ed) *Epigenetics of Chemoprevention* [Elsevier] (Accepted)
 7. Das M, **Devi KP**. (2018) Neuroprotective and Antiaging Essential Oils and Lipids in Plants. In: Mérillon JM., Ramawat K. (Ed) *Bioactive Molecules in Food. Reference Series in Phytochemistry*. [Springer, Cham] (International ISBN: 978-3-319-54528-8)
 8. **Devi KP** (2018). Milk thistle (Silybum marianum). In: Nabavi SM, Silva AS (Ed). *Nonvitamin and Nonmineral Nutritional Supplements*, [Elsevier] (International ISBN: 9780128124918)
 9. Sathya S, **Devi KP** (2017). The use of polyphenols for the treatment of Alzheimer's disease. In: Tahira and Akhlaq Farooqui (Ed). *Role of the Mediterranean Diet in the Brain and Neurodegenerative Diseases*, [Elsevier] (International ISBN: 9780128119594)
 10. Rajavel T, **Devi KP** (2015). Cancer Chemoprevention: Potentials of Dietary Polyphenols to Modulate Wnt/ β -catenin Signaling Pathway. In: V.K. Gupta (Ed). *Bioactive Phytochemicals: Perspectives for Modern Medicine* Vol. 3. **Astral International Pvt. Ltd**, 261-292 (International ISBN: 9789351307068)
 11. Sakthivel R, Pandian SK, Devi KP (2014). Modulation of Death Receptor Mediated Apoptosis by Natural Products: A Short Review. In: V.K. Gupta (Ed). *Natural Products: Research Reviews Vol 2*. Astral International Pvt. Ltd, 261-292 (International ISBN: 9789351301059)
 12. Suganthy N, Pandian SK, **Devi KP** (2014). A Review of Multipotent Antioxidants from Herbal Drugs to Combat Alzheimer's Disease. In: V.K. Gupta (Ed). *Natural Products: Research Reviews Vol 2*. Astral International Pvt. Ltd, 261-292 (International ISBN: 9789351301059)
 13. Ilavarasi K, Pandian SK, **Devi KP** (2014). Protective effect of marine natural products against oxidative stress related disorders: Mini Review. In: V.K. Gupta (Ed). *Natural Products: Research Reviews Vol 2*. **Astral International Pvt. Ltd**, 261-292 (International ISBN: 9789351301059)
 14. Nisha SA, Pandian SK, Devi KP (2013). Neuropharmacology of essential oils. In: J.N. Govil (Ed). *Recent Progress in Medicinal Plants Vol. 36 —Essential Oils of Medicinal importance*. Studium Press LLC, USA (ISBN: 1-933699-96-5)
 15. Suganthy N, Pandian SK and **Devi KP** (2012). Anti-Amyloidogenic Effect of Natural Products: Implications for the Prevention and Therapeutics of Alzheimer's disease. In: **V.K.Gupta (Ed) Natural Products: Research Reviews** Vol. 1. 2012 M/S. Daya Publishing House, New Delhi, 371-408 [ISBN-13:978-8170357759]
 16. Nisha SA, Sakthivel R, Pandian SK, **Devi KP** (2012). Natural Bioactive Compound from Marine Plants with Anticancer Potential: A Review. In: **V.K.Gupta (Ed) Bioactive Phytochemicals: Perspectives for Modern Medicine** Vol. 1, 2012, Daya Publishing House, New Delhi, 395-412
 17. Sakthivel R, Pandian SK, Devi KP (2012). Antioxidant and Anti-inflammatory Properties of Seaweeds—A Mini Review. In: J.N. Govil (Ed) *Recent Progress in Medicinal Plants Vol. 34*

—*Phytoconstituents and Physiological Processes*. Studium Press LLC, USA (ISBN: 1933699248)

18. **Devi KP**, Suganthy N, Kiruthiga PV, Pandian SK (2010). Liposome Technology and its Applications. In: **Tripathi (Ed)** *Cellular and Biochemical Science Book*, **IK International** Publishers, New Delhi. **ISBN: 9788188237852**
19. **Devi KP**, Kiruthiga PV and Pandian SK (2010). Flavonoids from complementary and alternative medicine: Mechanism of immunomodulation of macrophages. *Book series on Bioactive Natural Products*. **Studium Press LLC, USA**. ISBN : 1-933699-50-7

Others

Reviewer for many International 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)