



Dr. K. PANDIMA DEVI
PROFESSOR

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Academic Qualifications

Degree	Institution	Year	Branch	Class
D.Sc	Alagappa University	2019	Biotechnology	Awarded
PhD	University of Madras	2001	Biochemistry	Awarded
M. Sc	Avinashilingam Deemed University	1995	Biochemistry	'O' Percentile
B. Sc	Avinashilingam Deemed University	1993	Biochemistry	I Class

Teaching Experience -22 Years

Position	Institution	Duration
Professor	Department of Biotechnology, Alagappa University	2019-Till date
Associate Professor	Department of Biotechnology, Alagappa University	2016-2019
Assistant Professor	Department of Biotechnology, Alagappa University	2003-2016
Lecturer	S.Chattanatha Karayalar College of Arts and Sciences, Tenkasi, INDIA	Sept 1995 – April 1996

PDF/ Visiting Professor : Abroad

Position	Institution	Duration
Postdoctoral Fellow	Department of Peptide Chemistry, CID-CSIC, Barcelona, Spain	April 2002- March 2003

Research Experience -28 Years

Position	Institution / University	Duration
Postdoctoral Fellow	Department of Peptide Chemistry, CID-CSIC, Barcelona, Spain	April 2002- March 2003
Project associate	National Institute of Immunology, New Delhi, India	Feb 2001- Sep 2001
Trainee	Defense Institute of Physiology and Allied Sciences, New Delhi	March 2000- April 2000
Trainee	Department of Anatomy (Electron Microscopy Facility), All India Institute of Medical Sciences (AIIMS), New Delhi	Feb 2000
Trainee	Pasteur Institute of India, Coonoor	Aug 1994 to Sep 1994

Academic and Additional Responsibilities

S.No	Position	University Bodies	Period	
			From	To
1.	Member Secretary	Institutional Biosafety Committee (IBSC) of Alagappa University	22.10.2020	Till Date
2.	Scientist Incharge of Animal House Facility (Member Secretary)	Institutional Animal Ethics Committee (IAEC) of Alagappa University	28.03.2023	27.03.2028
3.	Member (Basic Medical Scientist)	Institutional Ethics Committee (IEC) of Alagappa University	16.03.2023	15.03.2026
4.	Head in-charge	Department of Botany, Alagappa University	01.06.2022	31.07.2023
5.	Member (Basic Medical Scientist)	Institutional Ethics Committee (IEC) of Alagappa University	07.02.2020	06.02.2023
6.	Member	Standing Committee on Academic Affairs of Alagappa University,	30.06.2018	29.06.2021
7.	Scientist Incharge of Animal House Facility (Member Secretary)	Institutional Animal Ethics Committee (IAEC) of Alagappa University	14.03.2018	13.03.2023
8.	Member Secretary	Institutional Ethics Committee (IEC) of Alagappa University	10.08.2016	09.08.2019
9.	Warden	Science Block Women's Hostel, Alagappa University	Feb 2014	May 2016

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 mechanisms underlying the anticancer and neuroprotective effect of natural products
- Enhancing the bioavailability and drug delivery of natural leads by nano encapsulation.

Patents Filed

Sl.No.	Inventors	Title of the Patent	Application Number	Date of		
				Filing	Publication	Awarded
i	Kiruthiga C, Devi KP	COMPOSITION EXHIBITING ANTI-CANCER ACTIVITY, AND IMPLEMENTATIONS THEREOF	202141052384	15.09.2021	19.05.2023	
ii	Kiruthiga C, Devi KP	“COMPOSITION EXHIBITING ANTI-CANCER ACTIVITY AND IMPLEMENTATION THEREOF”	202241011678	03.03.2022	08.09.2023	
iii	Kiruthiga C, Jaya Balan, Devi KP	SYNERGISTIC COMBINATION OF NATURAL COMPOUNDS AGAINST NON-SMALL CELL LUNG CANCER	202241011109	01.03.2022	01.09.2023	

Research Supervision/Guidance

Program of Study		Completed	Ongoing
Research	PDF	01	-
	Ph.D	12	04
	M.Phil	4	-
Project	PG	32	01
	UG/	09	-
	Others		

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books/Chapters/Monographs/Manuals
125	72	-	46	22

Cumulative Impact Factor(as per JCR) : 584.29

h-index : 45

i10 index : 107

Total Citations : 7713

<https://scholar.google.co.in/citations?user=Q3R1A9IAAAAJ&hl=en>

Funded Research Projects

Ongoing Projects:

S.No	Agency	Period		ProjectTitle	Budget (Rs.In lakhs)
		From	To		
1	DST – SERB	04.07.2023	03.07.2026	Unraveling the Neuroprotective Mechanism of Vitexin and Thymol Synergistic Combination against Tau Hyperphosphorylation and Neuroinflammation: A Therapeutic Approach For The Treatment of Alzheimer’s Disease	32.90
2	ICMR – Ad hoc	01.03.2022	28.02.2025	Evaluating the neuroprotective effect of Hesperidin Methyl Chalcone against Alzheimer’s disease through <i>in silico</i> , <i>in vitro</i> and <i>in vivo</i> approach	15.87
3	RUSA 2.0 TBRP	15.12.2022	-	Translational Health Research for Human, Animal and Plant Systems	9.8

Completed Projects:

S.No	Agency	Period		Project Title	Budget (Rs.In lakhs)
		From	To		
1.	RUSA 2.0 TBRP	28.01.2019	27.01.2021	Translational Health Research for Human, Animal and Plant Systems	10.94
2.	DBT, India (6242-P21/RGCB/PMD/D BT/PMDK/2015)	29.7.2015-	28.5.2019	Drug discovery from medicinal plants: Anti- cancer effect of <i>Grewia tiliaefolia</i> Vahl (Tiliaceae) leaf extracts	24.93
3.	DST, India (SB/SO/AS-22/ 2012)	21.12.2012	21.12.2015	Evaluation of the effect of <i>Padina gymnospora</i> against β -amyloid peptide (25-35) induced neurotoxicity: An <i>in-vitro</i> study	27.23
4.	ICMR, India (D.O.No.59/12/2007/ BMS/TRM)	26.7.2010	25.7.2013	<i>Gelidiella acerosa</i> : Seaweed inhabiting gulf of mannar: Assessment of the possible suppression of dioxin mediated Immunotoxicity	15.24
5.	UGC, India (F. No. 36-6/2008 (SR))	01.05.2009 to	30.04.2012	Seaweeds inhabiting South Indian coastal area: Possible drugs for the treatment of neurodegenerative disorders	12.71
6.	SERC Fast Track Proposals for Young Scientist scheme sponsored by DST, India (Award no. SR/FT/L-32/2004)	21.12.2004	20.12.2007	Antioxidant properties of Olive oil: Possible role in preventing environmental immunotoxicity and associated oxidative stress	10.02

Other Funds Received as Research Mentor:

S.No	Agency	Period		Project Title	Budget (Rs.In lakhs)
		From	To		
1	TNSCT, Tamil Nadu	01.02.2019	31.04.2019	Testing the synthesized dihydroactinidiolide for its efficacy against Alzheimer's Disease in Neuroblastoma cells	0.1
2	TNSCT, Tamil Nadu	01.12.2019	31.04.2019	Scavenging capacities of mangrove plants/seaweed extracts against free radicals- <i>In vitro</i> evaluation	0.1

Distinctive Achievements / Awards

- Outstanding Researcher Award, 2022 by Alagappa University,
- 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
- Cleared State Level Educational Testing (SLET) for Lectureship conducted by Government of Tamil Nadu, India.
- Cleared National Eligibility Test (NET) for Professor/Assistant Professor conducted by Agricultural Scientist Recruitment Board (ASRB), New Delhi, India

Events organized in leading roles

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

Position	Programme	Duration	Institution
Organizing Committee Member	National Level Conference on Biotechnology and Omics Sciences 2022	May 27-28, 2022	Alagappa University
Organizing Committee Member	International Conference on Recent	April 07-09, 2016	Alagappa University, Karaikudi

	Trends in Biosciences-2016 (ICRTB-2016)		
Executive Member Organizing Secretary	International Workshop cum Seminar on “Advances in Modern Biotechnology & Molecular Techniques in Veterinary parasitology: Diagnosis, Chemotherapy and Control”	March 17- 21, 2008	School of Biotechnology, Alagappa University, Karaikudi
Organizing Committee Member	National Seminar on Biotechnology of Transgenesis: Scientific Progress and Social Issues	July 28 and 29, 2003	Alagappa University, Karaikudi

Events Participated

Number of Conferences/Seminars/Workshops: 111

Overseas Exposure/Visits

Department of Peptide Chemistry, CID-CSIC, Barcelona, Spain

Membership

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

Ethical Committee Member

1. Institutional Ethical Committee Member (Human) of Alagappa University (2016-2019), (2019-2022), (2022-2025)
2. Institutional Animal Ethics Committee Member of Alagappa University (2019-2023)(2023-

- 2028)
 3. Institutional Biosafety Committee Member of Alagappa University (2020-2023) (2023-2026)

Advisory Board

Year/Period	Name of the BoS/Administrative Committee / Academic Committee	Role
2003- till date	Board of studies in M. Sc., Biotechnology, Alagappa University	Member
2022-2025	Board of studies for B.Sc., Biochemistry in Alagappa University	Chairperson
2022-2025	Board of studies for M.Sc., Biochemistry in Alagappa University	Chairperson
2022-2025	Board of studies for M.Phil., Biochemistry in Alagappa University	Chairperson
2022-2025	Board of studies for B.Sc., Biotechnology in Alagappa University	Member
2023	Board of studies for M.Sc., Home Science and Nutrition	Chairperson
2022	Board of studies for M.Sc., Home Science and Nutrition	Member
2022-2023	Board of studies for M.Sc., Biotechnology in Alagappa University	Member
2014-2017	Board of studies for B.Sc., Biochemistry in Alagappa University	Member
2014-2017	Board of studies for M.Sc., Biochemistry in Alagappa University	Member
2017	DDE- Board of studies for Home Science	Member
2013	Broad Based Board of studies in Animal Health and Management, AU	Member

Academic Bodies in Other Institutes/Universities

Year/Period	Name of the BoS/Administrative Committee / Academic Committee	Role
2024	Board of studies for Biotechnology at Bishop Heber College, Tiruchirappalli	Academic Council Nominee
2022-2025	Board of studies for B.Sc and M.Sc., Biochemistry at JJ College, Pudukkottai	Member
2022	Board of studies for M.Sc., Biomedical Sciences at Bharathidasan University	External subject expert
3.11.2020 to 2.11.2023	Board of studies for B.Sc and M. Sc., Biochemistry in MS University	External Member
2021	Board of studies for MSc Environment Science and MSc Biotechnology (Environment)	Member
2021	BSc Biochemistry Syllabus scrutinization at VVV College, Virudunagar	Subject expert

Editorial Board Member in International Journals

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)

Ph.D. Thesis Evaluated / Viva Voce Conducted (for other Universities)

1. No of PhD Thesis Evaluated : 12
2. No. of PhD Public Viva Voce Examination conducted : 19

Ph.D. Thesis Guided

1. No. of PhD Thesis evaluated : 12
2. No. of PhD Public Viva Voce Examination : 12
conducted

S.No	Name of the Scholar	Title of the Thesis	Year of Completion
1.	Jeyakumar M	SYNTHESIS AND BIOLOGICAL EVALUATION OF α -BISABOLOL β -D - FUOPYRANOSIDE AS A MULTI-TARGET DRUG FOR THE TREATMENT OF ALZHEIMERS DISEASE	September 2021
2.	Jayabalan D	NANO-ENCAPSULATION AND SYNERGISM: AN APPROACH TO ENHANCE THE ANTI-CANCER ACTIVITY OF THYMOL AGAINST NON-SMALL CELL LUNG CANCER	September 2021
3.	Mamali Das	IN VITRO AND IN VIVO NEURONAL RESCUE MECHANISM OF DIHYDROACTINIDIOLIDE AGAINST ALZHEIMER'S DISEASE	March 2021
4.	Sathya S	DEVELOPMENT OF PHYTOL LOADED PLGA NANOPARTICLES FOR THE THERAPEUTIC INTERVENTION OF ALZHEIMERS DISEASE: A PRECLINICAL STUDY	May 2019
5.	Rajavel T	ANTICANCER MECHANISM OF β - SITOSTEROL AND DAUCOSTEROL (PHYTOSTEROLS FROM GREWIA TILIAEFOLIA) ON HUMAN LUNG CANCER CELLS: AN IN VITRO STUDY	June 2018
6.	Shanmuganathan B	PROTECTIVE POTENTIAL OF PADINA GYMNOSTORA AND ITS ACTIVE COMPOUND α - BISABOLOL AGAINST THE NEUROTOXIC β - AMYLOID PEPTIDE: AN IN VITRO AND IN VIVO STUDY	February 2018
7.	Sheeja Malar D	MULTI-TARGETED NEUROTHEAPEUTIS AGAINST ALZHEIMER'S DISEASE: EVALUATING THE ROLE OF GREWIA TILIAEFOLIA AND ITS ACTIVE CONSTITUENT VITEXIN IN PREVENTING AD RELATED PATHOGENESIS	April 2017
8.	Sakthivel R	EVALUATION OF NUTRITIONAL AND SAFETY PROFILE OF THE RED SEAWEED GRACILARIA EDULIS AND ASSESSMENT OF THE ANTI-LUNG CANCER POTENTIAL OF THE ACTIVE PRINCIPLE PHYTOL	June 2016
9.	Arif Nisha S	SEAWEEDS AS THERAPEUTIC NUTRACEUTICALS:	August 2015

		EVALUATION OF NEUROPROTECTIVE EFFECAY OF RED SEaweEDS GELIDIELLA AEROSA AGAINST ALZHEIMERS DISEASE	
10.	Ilavarasi K	PROTECTIVE EFFECT OF OLIVE OIL AND GELIDIELLA ACEROSA IN ALLEVIATING ENVIRONMENTAL POLLUTANT (2,3,7,8 – TETRACHLORO DI BENZO – P – DIOXIN) MEDIATED TOXICITY: A PRECLINICAL STUDY	March - 2014
11.	Suganthy N	MULTIPOTENT ACTION OF RHIZOPHORA MURONATA (RED MANGROVE) AS NEUROPROTECTIVE DRUG AGAINST ALZHEIMERS DISEASE – EVIDENCE FROM PRECLINICAL STUDIES	May 2013
12.	Kiruthiga PV	MULTIPOTENT ACTION OF SILYMARIN (A FLAVONOID FROM SILYBUM MARIANUM) AGAINST BENZO(a)PYRENE INDUCED TOXICITY: EVIDENCE FROM PERCLINIAL STUDIES	October 2010

List of Research Articles / Recent Publications

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]

DETAILS OF PUBLICATIONS

S.No	Authors/Title of the paper / journal	Impact factor
1.	Antoniraj MG, Dhayanandamoorthy Y, Ponnuchamy K, Kandasamy R, Devi KP . Study the anticancer efficacy of doxorubicin-loaded redox-responsive chitosan-derived nanoparticles in the MDA-MB-231 cell line. <i>Carbohydr Res.</i> 2024 Feb;536:109049. [Elsevier]	3.1
2.	Kiruthiga C, Niharika K and Devi K. Phytol and α -Bisabolol Synergy Induces Autophagy and Apoptosis in A549 Cells and Additional Molecular Insights through Comprehensive Proteome Analysis via Nano LC-MS/MS. <i>Anti-Cancer Agents in Medicinal Chemistry</i> (Accepted) [Bentham Science Publishers]	2.8

3.	Kiruthiga, C., Balan, D. J., Jafni, S., Anandan, D. P., & Devi, K. P. (2024). Phytol and (-)- α -bisabolol Synergistically trigger intrinsic apoptosis through redox and Ca ²⁺ imbalance in non-small cell lung cancer. <i>Biocatalysis and Agricultural Biotechnology</i> , 56, 103005.	4
4.	Kiruthiga, C., Balan, D. J., Prasath, N. H., Manikandakrishnan, M., Jafni, S., Prabhu, N. M., & Devi, K. P. (2024). Synergistic induction of apoptosis in lung cancer cells through co-delivery of PLGA phytol/ α -bisabolol nanoparticles. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1-14.	3.6
5.	Jeyakumar, M., Jaya Balan, D., Kiruthiga, C., Jafni, S., & Pandima Devi, K. (2024). α -bisabolol β -d-fucopyranoside (ABFP) ameliorates scopolamine-induced memory deficits through cholinesterase inhibition and attenuation of oxidative stress in zebrafish (Danio rerio). <i>Journal of Biochemical and Molecular Toxicology</i> , 38(1), e23580.	3.6
6.	Jafni, S., Sathya, S., Arunkumar, M., Kiruthiga, C., Jeyakumar, M., Muruges, E., & Devi, K. P. (2023). Hesperidin Methyl Chalcone reduces extracellular A β (25-35) peptide aggregation and fibrillation and also protects Neuro 2a cells from A β (25-35) induced neuronal dysfunction. <i>Bioorganic & Medicinal Chemistry</i>	3.5
7.	Jeyakumar M, Sathya S, Gandhi S, Tharra P, Aarthy M, Balan DJ, Kiruthiga C, Baire B, Singh SK, Devi KP . α -bisabolol β -D-fucopyranoside inhibits β -amyloid (A β) 25–35 induced oxidative stress in Neuro-2a cells via antioxidant approaches. <i>Process Biochemistry</i> . 2022 Oct 1;121:493-503	4.4
8.	Antoniraj, M. G., Dhayanandamoorthy, Y., Kumar, P., Kandasamy, R., Balan, D. J., & Devi, K. P. (2022). Design and evaluation of redox responsive disulfide containing resveratrol loaded nanocarrier anti-cancer activity in the MDA-MB-231 cell line. <i>Materials Today Communications</i> , 32, 103873	3.8
9.	Jeyakumar, M., Sathya, S., Gandhi, S., Tharra, P., Aarthy, M., Balan, D. J., ... & Devi, K. P. (2022). α -bisabolol β -D-fucopyranoside inhibits β -amyloid (A β) 25–35 induced oxidative stress in Neuro-2a cells via antioxidant approaches. <i>Process Biochemistry</i> 121, 493-503 [Elsevier]	4.4
10.	Balan DJ, Das M, Sathya S, Kiruthiga C, Jeyakumar M, Antoniraj MG, Devi KP . Chitosan based encapsulation increased the apoptotic efficacy of thymol on A549 cells and exhibited non toxic response in swiss albino mice. <i>International Journal of Biological Macromolecules</i> 202, 620-631 [Elsevier]	8.2
11.	Mamali Das, Balan DJ, Devi KP (2021). Mitigation of oxidative stress with dihydroactinidiolide, a natural product against scopolamine-induced amnesia in Swiss albino mice. <i>Neurotoxicology</i> 2021 Sep;86:149-161 [Elsevier]	3.4
12.	Mamali Das, Devi KP . (2021). Dihydroactinidiolide regulates Nrf2/HO-1 expression and inhibits caspase-3/bax pathway to protect SH-SY5Y human neuroblastoma cells from oxidative stress induced neuronal apoptosis. <i>Neurotoxicology</i> , 84, May 2021, 53-63 [Elsevier] (IF- 3.4)	3.4

13.	Balan DJ, Rajavel T, Das M, Sathya S, Jeyakumar M, Devi KP . Thymol induces mitochondrial pathway mediated apoptosis via ROS generation, macromolecular damage and SOD diminution in A549 cells. <i>Pharmacology Reports</i> 73, 240–254 (2021) [Springer]	4.4
14.	Malar DS, Prasanth MI, Jeyakumar M, Balamurugan K, Devi KP . Vitexin prevents A β proteotoxicity in transgenic <i>Caenorhabditis elegans</i> model of Alzheimer's disease by modulating unfolded protein response. <i>Journal of Biochemical and Molecular Toxicology</i> [Wiley Periodicals]	3.6
15.	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. <i>Nutritional Neuroscience</i> May 14; 1-17, 2020 (Taylor and Francis)	3.6
16.	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. <i>Colloids and Surfaces B: Biointerfaces</i> , Jun;190:110948. [Elsevier]	5.8
17.	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 <i>Caenorhabditis elegans</i> . <i>Food and Chemical Toxicology</i> Volume 136, February 2020, 110962 [Elsevier]	4.3
18.	Shanmuganathan B, Sathya S, Balasubramaniam B, Balamurugan K, Devi KP . Amyloid- β induced neuropathological actions are suppressed by <i>Padina gymnospora</i> (Phaeophyceae) and its active constituent α -bisabolol in Neuro2a cells and transgenic <i>Caenorhabditis elegans</i> Alzheimer's model. <i>Nitric Oxide</i> 2019 Oct 1;91:52-66 [Elsevier]	3.9
19.	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 <i>in vitro</i> & <i>in silico</i> study. <i>Bioorganic Chemistry</i> 2019 Jul;88:102935 [Elsevier]	5.1
20.	Rajavel T, 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. <i>European Journal of Pharmacology</i> 2019 Jul 15;855:112-123 [Elsevier]	5
21.	Nisha SA, Devi KP (2019). <i>Gelidiella acerosa</i> exhibits neuroprotective effect against amyloid beta 25-35 peptide induced toxicity in PC12 cells. <i>Journal of Dietary Supplements</i> . 16:5, 491-505 [Taylor and Francis]	2.5
22.	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 <i>Environmental Toxicology</i> 2019 Apr; 34(4):355-363 [John Wiley & Sons]	4.5

23.	Suryanarayanan V, Rajavel T, Devi KP , Singh SK. Structure based identification and biological evaluation of novel and potent inhibitors of PCAF catalytic domain. <i>International Journal of Biological Macromolecules</i> 120 (Part A), December 2018, 823-834 [Elsevier]	8.2
24.	Das M, Prakash S, Nayak C, Thangavel N, Singh SK, Manisankar P, Devi KP (2018) . Dihydroactinidiolide, a natural product against A β ₂₅₋₃₅ induced toxicity in Neuro2A cells: Synthesis, <i>in silico</i> and <i>in vitro</i> studies. <i>Bioorganic Chemistry</i> , 81, Dec, p 340–349 [Elsevier]	5.1
25.	Sakthivel R, Malar DS, Devi KP (2018) . Phytol shows anti-angiogenic activity and induces apoptosis in A549 cells by depolarizing the mitochondrial membrane potential. <i>Biomedicine & Pharmacotherapy</i> . Sep 105, 742-752 [Elsevier]	7.5
26.	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. <i>Journal of Molecular Liquids</i> . Aug : 264, 431-441	6
27.	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 . <i>Toxicology in Vitro</i> . 50 (Aug), 160-171 [Elsevier]	3.2
28.	Malar DS, Prasanth MI, Shafreen RB, Balamurugan K, Devi KP . <i>Grewia tiliaefolia</i> and its active compound vitexin regulate the expression of glutamate transporters and protect Neuro2a cells from glutamate toxicity. <i>Life Science</i> . 2018 Jun 15;203:233-241 [Elsevier]	6.1
29.	Pugazhendhi A, Shafreen RB, Devi KP , Suganthi N. (2018). Assessment of antioxidant, anticholinesterase and anti-amyloidogenic effect of <i>Terminalia chebula</i> , <i>Terminalia arjuna</i> and its bioactive constituent 7-Methyl gallic acid – An <i>in vitro</i> and <i>in silico</i> studies. <i>Journal of Molecular Liquids</i> . 257 (1 May), 69-81 [Elsevier]	6
30.	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. <i>Scientific Reports</i> , Jan 8(1), 2071 [Nature Publishing Group]	4.6
31.	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. <i>European Journal of Medicinal Chemistry</i> , Jan 144(1), 1196-1207 [Elsevier]	6.7
32.	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 <i>in vitro</i> and <i>in vivo</i> approach. <i>Environ Sci Pollut Res Int</i> . 2017 Dec 29. doi: 10.1007/s11356-017-1049-0. [Epub ahead of print]	5.8

33.	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. <i>Artificial Cells, Nanomedicine, and Biotechnology</i> , Oct, 1-12.	5.8
34.	Rajavel T, Mohankumar R, Archunan G, Ruckmani K, Devi KP (2017). Beta sitosterol and Daucosterol (phytosterols identified in <i>Grewia tiliaefolia</i>) perturbs cell cycle and induces apoptotic cell death in A549 cells. <i>Scientific Reports</i> . Jun 13;7(1):3418.	4.6
35.	Nisha AS, Devi KP (2017). <i>Gelidiella acerosa</i> protects against A β ₂₅₋₃₅ induced toxicity and memory impairment in Swiss Albino mice: An <i>in vivo</i> report. <i>Pharmaceutical Biology</i> . Dec;55(1):1423-1435. [Taylor and Francis]	3.8
36.	Malar DS, Shafreen RMB, Pandian SK, Devi KP (2017). Cholinesterase inhibitory, anti-amyloidogenic and neuroprotective effect of the medicinal plant <i>Grewia tiliaefolia</i> – an <i>in vitro</i> and <i>in silico</i> study. <i>Pharmaceutical Biology</i> Dec, 55(1):381-393. [Taylor and Francis]	3.8
37.	Suganthy N, Malar DS, Devi KP (2016). <i>In vitro</i> antiaggregation and deaggregation potential of <i>Rhizophora mucronata</i> and its bioactive compound (+) - Catechin against Alzheimer's beta amyloid peptide (25-35). <i>Neurological Research</i> , 21 (Oct), 1-11 [Taylor and Francis]	1.9
38.	Shanmuganathan B, Devi KP . Evaluation of the nutritional profile and anti-oxidant and anti-cholinesterase activities of <i>Padina gymnospora</i> (Phaeophyceae). <i>European Journal of Phycology</i> , 2016, Sep 51(4), 482-490 [Taylor and Francis]	2.4
39.	Suganthy N, Malar DS, Devi KP (2016). <i>Rhizophora mucronata</i> attenuates Beta-amyloid induced cognitive dysfunction, oxidative stress and cholinergic deficit in Alzheimer's disease animal model. <i>Metabolic Brain Disease</i> , 31(4) (Aug), 937-949 [Springer Science]	3.6
40.	Suganthy N, Devi KP (2016). Protective effect of catechin rich extract of <i>Rhizophora mucronata</i> against b- amyloid -Induced toxicity in PC12 Cells. <i>Journal of Applied Biomedicine</i> , 14 (2) (Aug), 137-146. [Elsevier]	1.6
41.	Sethupathy S, Shanmuganathan B, Devi KP , Pandian SK (2016). Alpha-bisabolol from brown macroalga <i>Padina gymnospora</i> mitigates biofilm formation and quorum sensing controlled virulence factor production in <i>Serratia marcescens</i> . <i>Journal of Applied Phycology</i> , June 28 (3), 1987-1996 [Springer]	2.4
42.	Suganthy N, Devi KP (2016). Nutritional evaluation of asiatic mangrove <i>Rhizophora mucronata</i> - its proximate composition, amino acid profiles and physico-chemical properties. <i>International Journal of Pharmaceutical Sciences and Research</i> , 7 (June) 6 , 2537-2545.	
43.	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. <i>Pharmaceutical Biology</i> , May 54(2), 338-46 [Informa Healthcare],	3.8

44.	Nisha AS, Shafreen BR, Pandian SK, Devi KP (2016) . Neuroprotective effect of the marine macroalga <i>Gelidiella acerosa</i> : Identification of active compounds through bioactive guided fractionation. <i>Pharmaceutical Biology</i> , March 2, 1-9 [Informa Healthcare], DOI:10.3109/13880209.2016.1145700	3.8
45.	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 <i>Gelidiella acerosa</i> : An <i>in vitro</i> study. <i>Environmental Science and Pollution Research</i> , March 23(6), 5111-21 (Springer Publishers)	5.8
46.	Sakthivel R, Muniasamy M, Archunan G, Devi KP (2016) . <i>Gracilaria edulis</i> exhibit antiproliferative activity against human lung adenocarcinoma cell line A549 without causing adverse toxic effect <i>in vitro</i> and <i>in vivo</i> . <i>Food and Function</i> , 7(2) (Feb):1155-65 . DOI: 10.1039/c5fo01094b. [RSC Publishers]	6.1
47.	Suganthy N, Devi KP (2016). <i>In vitro</i> antioxidant and anti-cholinesterase activity of <i>Rhizophora mucronata</i> . <i>Pharmaceutical Biology</i> , 54(1), 118-29 . (doi:10.3109/13880209.2015.1017886) [Informa Healthcare],	3.8
48.	Shanmuganathan B, Malar DS, Sathya S, Devi KP (2015) . Antiaggregation Potential of <i>Padina gymnospora</i> against the Toxic Alzheimer's Beta-Amyloid Peptide 25-35 and Cholinesterase Inhibitory Property of Its Bioactive Compounds. <i>PLOS ONE</i> . Nov, 10(11): e0141708 . doi:10.1371/journal.pone.0141708	3.234
49.	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. <i>Natural Product Research</i> , Nov, 29 (22), 2129-2132	2.2
50.	Malar DS, Muniasamy S, Archunan G, Devi KP (2015) . Evaluation of <i>in vitro</i> and <i>in vivo</i> safety profile of the Indian traditional medicinal plant <i>Grewia tiliaefolia</i> . <i>Regulatory Toxicology and Pharmacology</i> , Oct 73 (1). 241-7 [Elsevier]	3.4
51.	Sakthivel R, Devi KP (2015) . Evaluation of Physiochemical properties, Proximate and Nutritional Composition of <i>Gracilaria edulis</i> Collected from Palk Bay. <i>Food Chemistry</i> , May 174, 68-74	8.8
52.	Ilavarasi K, Chermakani P, Nisha SA, Malar DS, Devi KP (2015) . Antioxidant compounds in the seaweed <i>Gelidiella acerosa</i> protects human Peripheral Blood Mononuclear Cells against TCDD induced toxicity. <i>Drug and Chemical Toxicology</i> , April 38 (2), 133 [Informa Science Journal]	2.6
53.	Nisha SA and Devi KP (2015) . Assessment of anti-amyloidogenic activity of marine red alga <i>G. acerosa</i> against Alzheimer's beta-amyloid peptide 25-35. <i>Neurological Research</i> , Jan 37 (1), 14-22 [Taylor and Francis]	1.9
54.	Nisha SA and Devi KP . Assessment of mutagenic effect of <i>G. acerosa</i> and <i>S. wightii</i> in <i>S. typhimurium</i> (TA 98, TA 100, TA 1538 strains) and evaluation of their cytotoxic and genotoxic effect in human mononuclear cells – A non-clinical study. <i>Biomedical Research International</i> , 2014, 2014:1-8 . [Hindawi Publishing Corporation]	

55.	N Suganthy, K Karthikeyan, G Archunan, Pandian SK, Devi KP . Safety and toxicological evaluation of <i>Rhizopora mucronata</i> (a mangrove from Vellar estuary, India): assessment of mutagenicity, genotoxicity and <i>in vivo</i> acute toxicity. <i>Molecular Biology Reports</i> , 2014, 41(3):1355-71. [Springer]	2.8
56.	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. <i>Toxicology and Industrial Health</i> . 2014. 31 (6), 523 [Sage Journals]	1.9
57.	Kiruthiga PV, Pandian SK, Devi KP . Silymarin prevents the toxicity induced by Benzo(a)pyrene in human erythrocytes by preserving its membrane integrity: An <i>in vitro</i> study. <i>Environmental Toxicology</i> , 2014, 29(2):165-75 [John Wiley and Sons]	4.5
58.	Suganthy N, Nisha SA, Pandian SK, Devi KP. Evaluation of <i>Gelidiella acerosa</i> , the red algae inhabiting South Indian coastal area for antioxidant and metal chelating potential. <i>Biomedicine & Preventive Nutrition</i> , 2013, 3(4):399-406. [Elsevier]	
59.	Nisha SA, Pandian SK, Devi KP . Antioxidant and anti-cholinesterase activity of <i>Sargassum wightii</i> . <i>Pharmaceutical Biology</i> , 2013, 51(11):1401-10. [Informa Healthcare]	3.8
60.	Devi KP , Sakthivel R, Nisha SA, Suganthy N, Pandian SK. Eugenol alters the integrity of cell membrane and acts against the nosocomial pathogen <i>Proteus mirabilis</i> . <i>Archives of Pharmacal Research</i> , 2013, 36(3):282-292 [Springer]	6.7
61.	Nisha SA, Pandian SK, Devi KP . Seaweeds as nutritional supplements: Analysis of nutritional profile, physicochemical properties and proximate composition of <i>G. acerosa</i> and <i>S. wightii</i> . <i>Biomedicine & Preventive Nutrition</i> , 2013; 3(2):139–144 [Elsevier].	
62.	Nisha SA, Pandian SK, and Devi KP (2012) . Assessment of Anticholinesterase Activity of <i>Gelidiella acerosa</i> : Implications for Its Therapeutic Potential against Alzheimer’s Disease. <i>Evidence Based Complementary and Alternative Medicine</i> , 2012:1-8. [Hindawi Publishing Corporation]	
63.	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). <i>Ecotoxicology and Environmental Safety</i> , 2012, 86:79-85 [Elsevier]	6.8
64.	Vijayaraman KP, Veluchamy M, Murugesan P, Shanmugiah KP, Kasi PD . p53 exon 4 (codon 72) polymorphism and exon 7 (codon 249) mutation in breast cancer patients in southern region (Madurai) of Tamil Nadu. <i>Asian Pacific Journal of Cancer Prevention</i> , 2012, 13(2):511-6	2.514
65.	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. <i>Asian Pacific Journal of Cancer Prevention</i> , 2011;12(8):2133-8 [Asian Pacific Organization for Cancer Prevention]	2.514

66.	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. <i>Chemosphere</i> 84(7):888-893 [Elsevier]	8.8
67.	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. <i>Analyst</i> Sep 2010, 135(9):2348-54. [RSC Publishing]	4.2
68.	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 <i>in vitro</i> study. <i>Toxicology and Applied Pharmacology</i> , 2010, 247(2):116-28. [Elsevier Publishers]	3.8
69.	Devi KP , Nisha SA, Sakthivel R, Pandian SK. Eugenol (an essential oil of clove) acts as an antibacterial agent against <i>Salmonella typhi</i> by disrupting the cellular membrane. <i>Journal of Ethnopharmacology</i> , 2010, 130(1):107-115. [Elsevier Publishers]	5.8
70.	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. <i>Human and Experimental Toxicology</i> , 2010, 29(6):451-8. [SAGE Publications]	2.9
71.	Suganthi 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 <i>Hypnea valentine</i> and <i>Ulva reticulate</i> . <i>Neuroscience Letters</i> , 468(3):216-219 [Elsevier]	2.5
72.	Suganthi N, Kesika P, Pandian SK, Devi KP . Mangrove Plants Extract: Radical Scavenging Activities and Its Battle against Food Borne Pathogens. <i>FORSCH KOMPLEMENTMED/Research in Complementary Medicine</i> , 2009, 16(1):41-48 [Karger Press]	1.8
73.	Suganthi N, Pandian SK, Devi KP (2009) . Cholinesterase inhibitors from <i>Sargassum</i> and <i>Gracilaria gracilis</i> : Seaweeds inhabiting South Indian coastal area (Hare Island, Gulf of Mannar). <i>Natural Product Research</i> , 23(4):355-369. [Taylor and Francis, UK]	2.5
74.	Suganthi N, Pandian SK, Devi KP (2009) . Cholinesterase inhibitory effects of <i>Rhizophora lamarckii</i> , <i>Avicennia officinalis</i> , <i>Sesuvium portulacastrum</i> and <i>Suevada monica</i> : Mangroves inhabiting Indian coastal area (Vellar Estuary). <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 24(3):702-707 [Taylor and Francis]	5.6
75.	Devi KP , Suganthi N, Kesika P, Pandian SK. Bioprotective properties of seaweeds: <i>In vitro</i> evaluation of antioxidant activity and antimicrobial activity against food borne bacteria in relation to polyphenolic content. <i>BMC Complementary and Alternative Medicine</i> , 2008, 8:38 [Biomed Central Ltd, UK]	4.782
76.	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 <i>in vitro</i> study. <i>Molecular Nutrition and Food Research</i> , 2008,	5.2

	52:S95-102 [Wiley-VCH Verlag]	
77.	Kiruthiga PV, Shafreen RB, Pandian SK, Devi KP . Silymarin protection against major reactive oxygen species released by environmental toxins: - Exogenous H ₂ O ₂ exposure in erythrocytes. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2007, 100(6):414-419 [Blackwell Publishers]	3.1
78.	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 (H ₂ O ₂) induced oxidative stress. <i>Chemosphere</i> , 2007, 68(8):1511-1518 [Elsevier]	8.8
79.	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. <i>Chemical Biology and Drug Design</i> , 2006, 68(4):194-200. [Blackwell Publishers]	3
80.	Devi KP , Pandian SK and Kumar NSS. Cholinestrase activity in clam <i>Meretrix casta</i> : Possible biomarker for organophosphate pesticide pollution. <i>Bulletin of Environmental Contamination and Toxicology</i> . 2005, 74(2):250-5 [Springer-Verlag publishers, USA]	2.7
81.	Devi KP , Sreepriya M, Balakrishna K, Devaki T. Protective effect of <i>Premna tomentosa</i> extract (L. Verbanaceae) on acetaminophen induced mitochondrial dysfunction in rats. <i>Molecular and Cellular Biochemistry</i> , 2005, 272(1-2):171-177 [Springer Science Business Media B.V, The Netherlands]	4.3
82.	Devi KP , Sreepriya M, Balakrishna K, Devaki T. Protective effect of <i>Premna tomentosa</i> (L.Verbenaceae) extract on membrane bound phosphatases and inorganic cations transport in acetaminophen induced hepatotoxicity rats. <i>J Ethnopharmacol</i> . 2004, 93(2-3):371-5. [Elsevier Publishers]	5.4
83.	Devi KP , Ram SM, Sreepriya M, Ilavazhagan G, Devaki T, Selvamurthy W. Immunomodulatory effects of <i>Premna tomentosa</i> (L.Verbanaceae) extract in J 779 macrophage cell cultures under Cr (VI) induced immunosuppression. <i>J Altern Complement Med</i> . 2004, 10(3):535-9. [Mary Ann Liebert, Inc., USA]	2.381
84.	Devi KP , Sreepriya M, Balakrishna K, Veluchamy G, Devaki T. Assessment of the protective potential of <i>Premna tomentosa</i> (L.Verbanaceae) extract on lipid profile and lipid metabolizing enzymes in acetaminophen intoxicated rats. <i>J Altern Complement Med</i> . 2004, 10(3):540-6. [Mary Ann Liebert, Inc., USA]	2.381
85.	Devi KP , Sreepriya M, Devaki T, Balakrishna K. Anti-nociceptive and hypnotic effects of <i>Premna tomentosa</i> L.(Verbanaceae) in experimental animals. <i>Pharmacology Biochemistry and Behaviour</i> , 2003, 75(2):261-264 [Elsevier Publishers]	3.6
86.	Devi KP , Ram MS, Sreepriya M, Ilavazhagan G, Devaki T. Immunomodulatory effects of <i>Premna tomentosa</i> extract against Cr (VI) induced toxicity in splenic lymphocytes - an <i>in vitro</i> study. <i>Biomedicine and Pharmacotherapy</i> , 2003, 57(2): 105-108. [Elsevier Publishers]	7.5

87.	Anandan R, Devi KP , Devaki T, Govindaraju P. Protective effects of <i>Picrorhiza kurroa</i> against D-Galactosamine induced hepatitis in rats. <i>Medical Science Research</i> , 1999, 27(2), 127-130. [Chapman & Hall Publishers, UK]	0.384
88.	Devi KP , Devaki T. Protective effect of <i>Premna tomentosa</i> on acetaminophen- induced acute hepatitis in rats. <i>Medical Science Research</i> , 1998, 26:785-787. [Chapman & Hall Publishers, UK]	0.384
89.	KP Devi , Anandan R, Balakrishna K, Devaki T. 1998. Effect of <i>Premna tomentosa</i> on rat liver antioxidant defence system in acetaminophen intoxicated rats. <i>Biomedical Research</i> , 19(5):339-342. [Biomedical Research Foundation, Japan]	0.45
90.	Anandan R, Sreepriya M, Devi KP , Devaki T. 1998. Preventive effects of <i>Picrorhiza kurroa</i> on D-Galactosamine - induced hepatitis in rats. <i>Journal of Clinical Biochemistry and Nutrition</i> , 25:87-95. [Institute of Applied Biochemistry, Japan]	3.179
	REVIEW ARTICLES IN JOURNALS	
91.	Chandramohan K, Balan DJ, Devi KP , Nabavi SF, Reshadat S, Khayatkashani M, Mahmoodifar S, Filosa R, Amirkhalili N, Pishvaei S, Aval OS. Short interfering RNA in colorectal cancer: is it wise to shoot the messenger?. <i>European Journal of Pharmacology</i> . 2023 Apr 1:175699.	5
92.	Das M, Devi KP , Belwal T, Devkota HP, Tewari D, Sahebnaasagh A, Nabavi SF, Khayat Kashani HR, Rasekhian M, Xu S, Amirizadeh M, Amini K, Banach M, Xiao J, Aghaabdollahian S, Nabavi SM. Harnessing polyphenol power by targeting eNOS for vascular diseases. <i>Crit Rev Food Sci Nutr</i> . 2021 Sep 23:1-26. [Taylor and Francis]	10.2
93.	Antoniraj, M. G., Devi, K. P. , Berindan-Neagoe, I., Nabavi, S. F., Kashani, H. R. K., Aghaabdollahian, S., ... & Nabavi, S. M. (2023). Oral microbiota in cancer: could the bad guy turn good with application of polyphenols?. <i>Expert reviews in molecular medicine</i> , 25, e1.	
94.	Devi KP , Pourkarim MR, Thijssen M, Sureda A6, Khayatkashani M et al., A perspective on the applications of furin inhibitors for the treatment of SARS-CoV-2. <i>Pharmacol Rep</i> , 2022 Jan 15;1-6	4.4
95.	Nabavi SM, Devi KP , Sathya S, Sanches-Silva A, Joanna L et al., New Trends in the Pharmacological Intervention of PPARs in Obesity: Role of Natural and Synthetic Compounds. <i>Current Medicinal Chemistry</i> , 2021, 28, 1-19 [Bentham Science Publisher]	4.1
96.	Silva AS, Reboledo-Rodríguez P, Sanchez-Machado D, López-Cervantes J, Barreca D, Pittala V, Samec D, Orhan IE, Gulcan HO, Forbes-Hernandez TY, Battino MO, Nabavi SF, Devi KP , Nabavi SM. Evaluation of the status quo of polyphenols analysis: part II - analysis methods and food processing effects. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2020 Nov;19(6):3219-3240. [Wiley]	14.8

97.	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. <i>Pharmacological Research</i> , 2020 Feb;152:104626. [Elsevier].	9.3
98.	Kiruthiga C, Devi KP, Nabavi SM and Bishayee A. Autophagy: A Potential Therapeutic Target of Polyphenols in Hepatocellular Carcinoma. <i>Cancers</i> , 2020, 12, 562 ([MDPI Journals]).	5.2
99.	Nabavi SM, Talarek S, Listos J, Nabavi SF, Devi KP et al., Phosphodiesterase inhibitors say NO to Alzheimer's disease. <i>Food and Chemical Toxicology</i> , 134, December 2019, 110822 [Elsevier].	4.3
100.	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. <i>Current Medicinal Chemistry</i> [Bentham Science], 26, 1-11.	4.1
101.	Nabavi SF, Sureda A, Dehpour AR, Shiroomie S, Silva AS, Banach M, Devi KP et al., (2019). Novel therapeutic strategies for stroke: the role of autophagy. <i>Critical Reviews in Clinical Laboratory Sciences</i> 56 (3) (May), 182- 199 [Taylor and Francis].	10
102.	Berindan-Neagoe, Salaritabar A, Darvishe B, Hadjiakhoondi F, Manay A, Devi KP et al., (2019). Targeting Hedgehog signaling pathway: Paving the road for cancer therapy. <i>Pharmacological Research</i> 141 (Mar):466-48 [Elsevier].	9.3
103.	Nabavi SM, Ahmed T, Nawaz M, Devi KP , Balan DJ et al., (2019). Targeting STATs in neuroinflammation: The road less traveled! <i>Pharmacological Research</i> 141 (Mar):73-84 [Elsevier]	9.3
104.	Das M and Devi KP . A Mini Review on the Protective Effect of Lignans for the Treatment of Neurodegenerative Disorders. <i>J Nutr Food Lipid Sci</i> 2019(1) (Jan): 40-53. [Ocimum Publishers]	3.5
105.	Nabavi SF, Sureda A, Dehpour AR, Shiroomie 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. <i>Biotechnology Advances</i> [Elsevier] 2018 Nov 6. pii: S0734-9750(17)30153-2.	16
106.	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 polyphenol antioxidants. <i>Biochimie</i> [Elsevier] 2017 Nov;142:63-79	3.9
107.	Devi KP , Rajavel T, Maria D; Seyed FN, Anupam B, Seyed MN. 2017. Targeting miRNAs by polyphenols: Novel therapeutic strategy for cancer. <i>Seminars in Cancer Biology</i> [Elsevier] Oct;46:146-157.	14.5
108.	Devi KP , Shanmuganathan B, Manayi A, Nabavi SF, Nabavi SM (2017). Molecular and Therapeutic Targets of Genistein in Alzheimer's disease. <i>Molecular Neurobiology</i> [Springer] 2017 Nov, 54:7028-7041	5.1

109.	Devi KP , Malar DS, Braidy N, Nabavi SM and Nabavi SF (2017). A mini review on the chemistry and neuroprotective effects of silymarin. <i>Current Drug Targets</i> 2017;18(13):1529-1536 18 [Bentham Science]	3.2
110.	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. <i>Biomedicine and Pharmacotherapy</i> Dec, 84, 892–908 [Elsevier]	7.5
111.	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. <i>Tumour Biology</i> Oct;37(10):13017-13028.	3.611
112.	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. <i>Ageing Research Reviews</i> Nov;31:55-66 [Elsevier]	13.1
113.	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. <i>Food Chemistry</i> , April 196, 589–600	8.8
114.	Devi KP , Rajavel T, Russo GL, Daglia M, Nabavi SF, Nabavi SM (2015). Molecular targets of omega-3 fatty acids for cancer therapy. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 15(10), 1- 9. Bentham Science Publishers	2.8
115.	Devi KP , Malar DS, Nabavi SF, Sureda A, Xiao J, Nabavi SM, Daglia M (2015). Kaempferol and inflammation: from chemistry to medicine. <i>Pharmacological Research</i> , 99, 1-10. Elsevier	9.3
116.	Nabavi SF, Devi KP , Malar DS, Sureda A, Daglia M, Nabavi SM (2015). Ferulic Acid and Alzheimer’s Disease: Promises and Pitfalls. <i>Mini-Reviews in Medicinal Chemistry</i> , 15(9):776-88 Bentham Science Publishers	3.8
117.	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. <i>Advances in Nutrition</i> , Jul 15;6(4):408-19 [American Society for Nutrition]	9.3
118.	Devi KP , Rajavel T, Nabavi SF, Setzer WN, Ahmadid AH, Mansourie K, Nabavi SM. (2015). Hesperidin: A promising anticancer agent from nature. <i>Industrial Crops and Products</i> . 76:582–589	5.9
119.	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. <i>Cancer Metastasis Rev.</i> 34 (3), 359-380	9.2
120.	Devi KP , Rajavel T, Habtemariam S, Nabavi SF, Nabavi SM (2015). Molecular mechanisms underlying anticancer effects of myricetin. <i>Life Sciences</i> , 1;142:19-25. doi: 10.1016/j.lfs.2015.10.004.	6.1
121.	Syad SN, Devi KP (2014). Botanic: a potential source of new therapies for Alzheimer’s disease. <i>Botanics: Targets and Therapy</i> , 2014, 14, 11-26	

122.	Malar DS, Devi KP (2014). Dietary Polyphenols for Treatment of Alzheimer's Disease- Future Research and Development. <i>Current Pharmaceutical Biotechnology</i> , 2014, 15, 330-342 (Bentham Press)	2.8
123.	Suganthi N, Pandian SK and Devi KP (2013) Plants traditionally used in age related brain disorders (Dementia) - An ethnopharmacological survey. <i>Pharmaceutical Biology</i> , Apr 51 (4): 492-523	3.8
124.	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. <i>International Journal of Biomedical and Pharmaceutical Sciences</i> 3 (Special Issue 1), 31-45	7.792
125.	Suganthi 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. <i>International Journal of Biomedical and Pharmaceutical Sciences</i> 3 (Special Issue 1), 87-103	7.792

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

Review articles in Books

1. Jafni S, Arunkumar M, **Devi KP**. Toxicology in Plant-Based Drug Research and Development. Traditional Medicines in Drug Discovery [Cambridge Publishing Services]
2. Das M, **Devi KP** (2022). The Beneficial Role of Natural Antioxidants in Alleviating Neuroinflammatory Disorders Including Neurodegeneration. Reference Series in Phytochemistry. Plant Antioxidants and Health. Plant Antioxidants and Health. Pages 599-618. ISBN : 978-3-030-78159-0 [Springer]
3. Kiruthiga C, **Devi KP** (2011). Mechanisms involved in carcinogenesis (e.g. apoptosis) Nutraceuticals and cancer signalling; clinical aspects and mode of action . Food Bioactive Ingredients, Pages 11-36. ISBN 978-3-030-74034-4 Springer Nature.
4. Saravanapriya P, **Devi KP** (2020). Plant extracts with putative hepatotoxicity activity. Alavian, Nabavi, Nabavi and Sanches (Ed). Influence of Nutrients, Bioactive Compounds and Plant Extracts in Liver Diseases. ISBN: 9780128164884 [Elsevier]

5. 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 ISBN: 978-981-14-4611-5 (Print) [Bentham Science]
6. 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 ISBN: 978-981-14-4611-5 (Print) [Bentham Science]
7. 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]
8. Das M, **Devi KP**. (2019) 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. Pages 211-230 [Paperback ISBN: 9780128154618; eBook ISBN: 9780128154625] [Academic Press]
9. Rajavel T, **Devi KP** (2019). Phytochemicals as epigenetic modifiers for cancer management with special reference to lung cancer. In: Anupam Bishayee and Deepak Bhatia (Ed) Epigenetics of Chemoprevention Volume 8, Pages 271-286 [ISBN: 978-0-12-812494-9] [Academic Press]
10. **Devi KP** (2019). Milk thistle (*Silybum marianum*). In: Nabavi SM, Silva AS (Ed). Nonvitamin and Nonmineral Nutritional Supplements, Pages 321-325, (International ISBN: 9780128124918) [Academic Press]
11. 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. Pages 1-18 (International ISBN: 978-3-319-54528-8) [Springer, Cham]
12. Sathya S, **Devi KP** (2018). 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, Pages 239-252 [Elsevier] (International ISBN: 9780128119594)
13. 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)
14. 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)
15. 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)
16. 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. Daya Publishing House, New Delhi, 261-292 (International ISBN: 9789351301059)
17. 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)
18. 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]
19. 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
 20. 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)
 21. **Devi KP**, Suganthi 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
 22. **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

Resource person in various capacities

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