

Faculty Profile of Dr. V. Vijaya Padma



Dr. V. Vijaya Padma
Professor
Department of Biotechnology

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Mobile No:9894173494

Research Area

- Cancer Biology
- Molecular Toxicology
- Phytochemicals as modulators of cell transduction

Education & Career

Education

Ph. D.

Subject : Genetics-Biochemistry Interdisciplinary

Institution : University of Madras

Affiliated University : University of Madras University

Year of Award : 2002

M.Phil.

Subject : Biochemistry

Institution : University of Madras

Affiliated University : University of Madras University

Year of Award : 1996

P.G.

Subject: Genetics

Institution : Osmania University

Affiliated University : Osmania University University

Year of Award : 1986

U.G.

Subject: Botany, Zoology & Chemistry (triple major)

Institution: Osmania University

Affiliated University: Osmania University University

Year of Award: 1983

HSC

Subject: Botany, Zoology, Physics & Chemistry

Institution: Board of Intermediate, Andhra Pradesh

Affiliated University: Board of Intermediate, Andhra Pradesh University

Year of Award: 1980

Career**At Bharathiar University (Reverse Order)**

Professor : August 2018 to Till Date

Associate Professor : August 2015 to August 2018

Assistant Professor : April 2005 to August 2015

Past Experience

Lecturer : June 2002 to April 2005 at Kongu Nadu Arts and Science College

Awards

Travel awards

Funding agency : Organizer of International Conference (ICOMES-2018)

Name of conference : International Conference (ICOMES-2018)

Country : Seoul, South Korea

Paper presented(Oral/Poster) : Invited Speaker

Funding agency : Organizer of International Conference (ICOMES-2018)

Name of conference : International Conference (ICOMES-2018)

Country : Seoul, South Korea

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Funding agency : Organizer of International Conference (ICOMES-2018)

Name of conference : International Conference (ICOMES-2018)

Country : Seoul, South Korea

Paper presented(Oral/Poster) : Invited Speaker

Funding agency : Organizer of International Conference (ICOMES-2018)

Name of conference : International Conference (ICOMES-2018)

Country : Seoul, South Korea

Paper presented(Oral/Poster) : Invited Speaker

Funding agency : DST-NSC

Name of conference : INDO-TAIWAN exchange programme

Country : Taiwan

Paper presented(Oral/Poster) : Research Activities

Dates : 15th- 30th June, 2012

Funding agency : DST-NSC

Name of conference : INDO-TAIWAN exchange programme

Country : Taiwan

Paper presented(Oral/Poster) : Research Activities

Dates : 10th May- 10th June, 2011

Funding agency : DST-NSC

Name of conference : INDO-TAIWAN exchange programme

Country : Taiwan

Paper presented(Oral/Poster) : Research Activities

Dates : 31st May- 30th June, 2010

Academic awards

Awarding agency : Asia University

Country : Taiwan

Purpose of award : For academic Scientific deliberations

Date of Award : 2015-2018

Any other details : Adjunct professor

Awarding agency : China Medical University

Country : Taiwan

Purpose of award : For Scientific discussions

Date of Award : 2015-2018

Any other details : Research consultant

Academic fellowships for training

Name of faculty : Dr. V. Vijaya Padma

Awarding agency : DBT(CREST-fellow)

Institution visited : Cincinnati University

Country : USA

Duration : 3 months

Purpose : Research/ Scientific deliberations

Name of faculty : Dr. V. Vijaya Padma

Awarding agency : DBT(CREST-fellow)

Institution visited : Cincinnati University

Country : USA

Duration : 3 months

Purpose : Research/ Scientific deliberations

Name of faculty : Dr. V. Vijaya Padma

Awarding agency : Asia University

Institution visited : Asia University

Country : Taiwan

Duration : 45 days

Purpose : Research Consultant

Membership

Professional Bodies

Organization :Bharthiar Universirty Teachers Assosiation (BUTA), Bharathiar University

Type of Membership :Member

Period : 2005- till date

Organization :Biotechnology Society of India

Type of Membership :Life time member

Period :2007- till date

Organization :The Indian Society of Human Genetics

Type of Membership:Lifetime Member

Period :2008- till date

Organization :Society of fisheries Technology, CIFT

Type of Membership :Lifetime Member

Period :2008- till date

Organization :Society for Mitochiondrial Research and Medicine, India

Type of Membership :Lifetime Member

Period :2008- till date

Organization :The Indian Science Congress

Type of Membership :Lifetime Member

Period :2014- till date

Organization :Member of Govt. body- DST

Type of Membership :Reviewer of DST Project proposal

Period :Aug 2016

Membership in Academic Bodies

Organization :Institutional Animal Ethics committee, BU

Organization :Institutional Animal Ethics committee, BU

Type of Membership :Member

Period :2017 till date

Organization :Department of Biotechnology, Bharathiar University

Type of Membership :Convener, Doctoral Committee for PhD students

Period :2014 till date

Organization :Dept of Biotechnology, PSG-IAS
Type of Membership :Doctoral Committee member for PhD students
Period :2017

Organization :Dept of Biochemistry, Biotechnology& Bioinformatics,
Avinashilingam University
Type of Membership :Doctoral Committee member for PhD students
Period :2017 till date

Organization :Doctoral Committee member for PhD students of Department
of Nutrition & Dietics
Type of Membership :Avinashilingam University
Period :2017 till date

Organization :Doctoral Committee member for PhD students in
Biotechnology
Type of Membership :Bannari Amman Institute of Technology
Period :2018-till date

Organization :Expert, Purchase committee
Type of Membership :Avinashilingam University
Period :2018

Organization :Department of Human Genetics, BU
Type of Membership :Member BOS(Human Genetics and Molecular Biology)
Period :2014

Organization :JSS University
Type of Membership :Member QP Setting in life science
Period :2014

Organization :KSR college of Arts and Science
Type of Membership :Member QP Setting in UG Biotechnology
Period :2013

Organization :KSR college of Arts and Science
Type of Membership :Member QP Setting in PG Biotechnology
Period :2013

Organization :Karunya University
Type of Membership :Member QP Setting in Biotechnology

Period :2013

Organization :Tamilnadu Agriculture University

Type of Membership :Member QP setting in BTech Bioinformatics

Period :2013

Organization :Madras University

Type of Membership :Member QP setting in Biotechnology

Period :2010-2011

Organization :Periyar University

Type of Membership :Member QP setting in Biotechnology

Period :2008-2011

Organization :Kongnadu Arts and Science College

Type of Membership :Member QP setting in Biotechnology

Period :2005

Organization :SITRA, Coimbatore

Type of Membership :Selection Committee member for recruitment of project assistant

Organization :SITRA, Coimbatore

Type of Membership :Selection Committee member for recruitment of JRF

Period :2015

Organization :Editor of the International Journal, 'ROS', USA

Type of Membership :Associate editor, News letter

Period :2015

Organization :Editor of the International Journal, Austin Journal of Internal Medicine, USA

Type of Membership :Associate editor, News letter

Period :2015

Organization :Editor for the International Journal, 'Biomedicine', Taiwan

Type of Membership :Associate editor, News letter

Period :2015

Organization :Bharathiar University

Type of Membership :Convenor, scrutiny committee for faculty appointment

Period :March 2015

Organization :DRDO-BUCLS

Type of Membership :Expert, Selection committee for faculty appointment

Period :March 2015

Organization :Sugarcane Breeding Institute

Type of Membership :Member, assessment committee for promotion of Group1/Farm Technician of Category III

Period :Dec 2015

Organization :Vivekanandha College of Arts and Science for women

Type of Membership :Member-Advisory committee for Curriculum development

Period :2017

Organization :Examiner for PhD thesis evaluation & conducting Viva voce

Type of Membership :Annamalai University (3 theses till date)

Period :2017-till date

Organization :Examiner for PhD thesis evaluation & conducting Viva voce

Type of Membership :Bharathidasan university (One thesis)

Period :2017

Organization :Examiner for PhD thesis evaluation

Type of Membership :Punjab University

Period :2018

Organization :Examiner for PhD thesis evaluation

Type of Membership :Kerala University

Period :2019

Organization :Examiner for PhD thesis evaluation

Type of Membership :JSS University, Mysuru

Period :2018

Organization :Examiner for PhD thesis evaluation

Type of Membership :University of Mysuru

Period :2019

Organization :Examiner for PhD thesis evaluation

Type of Membership MS University:

Period :2019

Organization :Examiner for PhD thesis evaluation
Type of Membership :Bangalore University (two theses)
Period :2017-2019

Organization :Examiner for PhD thesis evaluation & conducting viva voce
Type of Membership :Periyar University, Salem (two theses)
Period :2016-2018

Visits

Sl.No. : 1

Country Visited : Bangkok, Thailand

Duration of Visit : 3days

Month and Year : 13-15, Nov, 2019

Purpose of Visit : Keynote Speaker for International Conference on Public Health and Preventive Medicine

Sl.No. : 2

Country Visited : Asia University, Taiwan

Duration of Visit : 45 days

Month and Year : June-July 2018

Purpose of Visit : Scientific deliberations

Sl.No. : 3

Country Visited : Seoul,Korea

Duration of Visit : 4 days

Month and Year : 6th Sept – 9th September

Purpose of Visit : Invited Speaker at International Conference (ICOMES-2018)

Sl.No. : 4

Country Visited : Busan ,Korea

Duration of Visit : 3 days

Month and Year : 28th Aug- 30th August

Purpose of Visit : Signing MOU and delivering invited lecture at Geongsang National University, Jinju

Sl.No. : 5

Country Visited : Busan ,Korea

Duration of Visit : 5 days

Month and Year : 31st August-5th September

Purpose of Visit : Invited Speaker at International Conference (ICOMES-2017)

Sl.No. : 6

Country Visited : Seoul,Korea

Duration of Visit : 5 days

Month and Year : 31st August- 4th Spetember, 2016

Purpose of Visit : Invited Speaker at International Conference (ICOMES-2016)

Sl.No. : 7

Country Visited : Seoul,Korea

Duration of Visit : 4 days

Month and Year : 12th Nov-15th Nov, 2015

Purpose of Visit : Invited speaker at international Conference (ICOMES-2015)

Sl.No. : 8

Country Visited : Taiwan

Duration of Visit : 12 days

Month and Year : 30th May-10th June, 2015

Purpose of Visit : Scientific deliberations

Sl.No. : 9

Country Visited : USA

Duration of Visit : 3 months

Month and Year : 2nd May-25th July, 2013

Purpose of Visit : Research activities

Sl.No. : 10

Country Visited : Taiwan

Duration of Visit : 15 days

Month and Year : 15th June- 30th June, 2012

Purpose of Visit : Research activities

Sl.No. : 11

Country Visited : Taiwan

Duration of Visit : 1 month

Month and Year : 10th May- 10th June, 2011

Purpose of Visit : Research activities

Sl.No. : 12

Country Visited : Taiwan

Duration of Visit : 1 month
Month and Year : 31st May- 30th June, 2010
Purpose of Visit : Research activities

Collaborators

Others

Projects

Funded Projects(National level)

- [Ongoing-2](#)
- [Completed-6](#)

1. Studies on the Efficacy of Neferine against Doxorubicin Induced Cardiomyopathy.

Principle Investigator:Dr. V. Vijaya Padma
Funding Agency : DST-SERB
Amount : 40,48,000/-
Duration : 2019-2021 (Ongoing)

2. Evaluation of chemosensitizing and chemotherapeutic efficacy of natural compound for cancer therapy.

Principle Investigator:Dr. V. Vijaya Padma
Funding Agency : RUSA 2.0 - BCTRC
Amount : 13,00,000/-
Duration : 2021-2022 (Ongoing)

1. CytoprotectiveEffect of Leutin on deoxynivalenol induced cell damage.

Principle Investigator:Dr. V. Vijaya Padma

Funding Agency : DTS

Amount : Rs. 8,58,000/-

Duration : 2007-2010

2. Studies on antimutagenic, anticarcinogenic and antiinflammatory potential of Quercetin against Ochratoxin induced toxicity.

Principle Investigator:Dr. V. Vijaya Padma

Funding Agency : UGC

Amount : 11,66,300/-

Duration : 2009-2011

3. Cytoprotective effect of Neferine against Hypoxia induced oxidative stress in muscle cells.

Principle Investigator:Dr. V. Vijaya Padma

Funding Agency : DRDO-DIPAS

Amount : 9,78,000/-

Duration : 2010-2013

4. Neferine as a chemosentizing agent against Doxorubicin resistant non-small cell lung carcinoma cells using invitro and invivo model.

Principle Investigator:Dr. V. Vijaya Padma

Funding Agency : DST-NSC

Amount : Indo-Taiwan exchange programme funded for international exchange visits and living expenses for 3yrs

Duration : 2010-2013

5. Chemosensitizing effect of Neferine on cisplatin sensitive and resistant human lung, liver, and colon cancer cells in invitro and invivo models.

Principle Investigator: Dr. V. Vijaya Padma

Funding Agency : DST-SERB

Amount : 52,99,000/-

Duration : 2014-2017

6. Development of Vasicinone based antiasthmatic 'metered dose inhaler & nebulizer' and evaluation for Anti-asthmatic effect in asthma mouse model.

Principle Investigator: Dr. V. Vijaya Padma

Funding Agency : RUSA -BEICH (Phase II)

Amount : 52,99,000/-

Duration : 2020 (6 months)

Consultancy Projects

- [Ongoing](#)
- [Completed](#)

Research Guidance

- [PG.](#)
- [Ph.D.](#)
- [M.Phil.](#)
- [M.Sc.](#)

Title :Diphenylhydantoin induced genetic damage epileptic patients and the role of gamma linolenic acid in modulating it in vitro

Name :Mallika.N

Period :2004

Title :Anti carcinogenic activity of pomegranate peel (Punica granatum) Extract on hypoxia induced cervical carcinoma.

Name :Satish Kumar .J

Period :2006

Title :Cytotoxic effect of pomegranate (Punica granatum) peel extract on HeLa cells exposed to hypoxia.

Name :Vidya J.S

Period :2006

Title :Induction of Cytotoxicity in A549 cells exposed to hypoxia by pomegranate (Punica granatum) peel extract.

Name :Nandhini .R

Period :2006

Title :A comparative study of Curcumin and Bleomycin on hypoxia induced resistance in A549 cells.

Name :Madhumitha .S

Period :2007

Title :Identification of A8344G mutation in diabetic patients of Coimbatore population.

Name :S. Sridevi

Period :2007

Title :Identification of A3243G mutation in diabetic patients of Coimbatore population.

Name :N. Ramyaa Priyadarshini

Period :2007

Title :Antioxidant and anticancer potential of Pomegranate peel extracts and its isolates.

Name :B. Ramji

Period :2007

Title :Role of mitochondrial tRNA mutations (G4332A & A10438G) in the development of type 11 diabetes mellitus patients

Name : P Ishwarya

Period :2008

Title :Assessment of anti oxidant activity of guava fruit extract and its anti cancer activity on human lung cancer cell line (A549).

Name :T. Lalitha

Period :2008

Title :Identification of mitochondrial tRNA Leu(UUR) mutations (C3254T & C3256G) in type 11 diabetes mellitus patients of Coimbatore population.

Name :P. Ganesan

Period :2008

Title :Screening of specific SUR1 mutation in type 11 diabetes patients with organ dysfunction.

Name :S. Aarthi

Period :2009

Title :Screening of nuclear gene mutations in type 11diabetes patients with organ dysfunction

Name :S. Bhargavi

Period :2009

Title :Effect of Gallic acid on Lindane induced renal toxicity in rats.

Name :Arun Felix. T

Period :2010

Title :Protective effect of Gallic Acid against Lindane Induced cardio toxicity in wistar rats

Name :C . Prakash

Period :2010

Title :Protective effect of Quercetin against Lindane Induced renal toxicity in wistar rats.

Name :Basakaran .R

Period :2010

Title :Cytoprotective effect of Ellagic acid on TCDD induced liver toxicity in HepG2 cells

Name :Suresh Kumar.R.S

Period :2010

Title :Protective effect of Quercetin against Lindane Induced cardiotoxicity in wistar rats

Name : R Bhavani

Period :2010

Title :Nephroprotective effect of eicosapentaenoic acid against TCDD induced toxicity in Wistar rats.

Name :Saranya. R.S

Period :2011

Title :Protective effect of Ellagic Acid against TCDD Induced renal toxicity in Wistar rats

Name :Samadi Sravani

Period :2011

Title :To Construct Mammalian expression vectors for the over expression and down regulation of the STIL gene in order to study its function in the process of neuronal developement

Name :Iswariya .S

Period :2011

Title :Cryoprotective and antimutagenic effect of lutein on Benzo(a)pyrene induced toxicity in Vero cell line.

Name :Mythili. A

Period :2012

Title :Anti cancer potential of Nickel (II) complexes containing 3-methoxy salicylaldehyde-4 (N) substituted Thiosemicarbazone on human lung adenocarcinoma cells (A549).

Name :S. Saranya

Period :2012

Title :Cyto protective effect of epigallocatechin 3-gallate (EGCG) on deoxynivalenol (DON) induced oxidative stress and apoptosis in HT-29 intestinal cells.

Name :L. Bharathi priya

Period :2012

Title :Cardio protective effect of Tinosporacordifolia methanoloic extract on cadmium induced oxidative stress in male wistar rat

Name :P. Elangovan

Period :2013

Title :Modulatory effect of Tinospora cordifolia methanolic extracts on cadmium induced nephrotoxicity in wistar rats.

Name :S. Divya

Period :2013

Title :Ameliorative effect of Tinospora cordifolia extracts over cadmium intoxicated rat liver.

Name :V. Sathish Kumar

Period :2013

Title :Chemopreventive effect of neferine from Nelumbo nucifera against diethylnitrosamine induced lung tumour in wistar rats.

Name :Karunagaran .G

Period :2014

Title :Cardioprotective effect of Piperine on isoproterenol induced myocardial infarction in male Wistar rats.

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Ongoing

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Research Publication

- [International](#)
- [National](#)
- [Patents](#)
- [Conferences](#)
- [Books/Chapters](#)
- [Database](#)

1. [Lipoxygenase \(LOX\) Pathway](#)

A Promising Target to Combat Cancer. [Vishnupriya P, Aparna A, Vijaya Padma V](#)
Current Pharmaceutical Design (2021).

2. ["Anti-apoptotic and pro-survival effects of longan flower extracts on rat hearts with fructose-induced metabolic syndrome."](#)

Cheng, Shiu-Min, V. Bharath Kumar, Liang-YiWu, Hsiao-Chuan Chang,

Chia-Hua Kuo, Li-Shan Wei, Yueh-Min Lin, V. Vijaya Padma, Shin-Da Lee, and Chih-Yang Huang.

Environmental Toxicology 36, no. 6 (2021): 1021-1030.

3. ["Cardioprotective potential of amygdalin against angiotensin II induced cardiac hypertrophy, oxidative stress and inflammatory responses through modulation of Nrf2 and NF- \$\kappa\$ B activation."](#)
Kung, Yen-Lun, Cheng-You Lu, Khan Fareen Badrealam, Wei-Wen Kuo, Marthandam Asokan Shibu, Cecilia Hsuan Day, Ray-Jade Chen, Shang-Yeh Lu, Viswanadha Vijaya Padma, and Chih-Yang Huang.
Environmental Toxicology 36, no. 5 (2021): 926-934.
4. ["Arecoline induces heart injure via Fas/Fas ligand apoptotic pathway in heart of Sprague-Dawley rat."](#)
Lin, Wen-Yuan, Bruce Chi-Kang Tsai, Cecilia Hsuan Day, Ping-Ling Chiu, Ray-Jade Chen, Michael Yu-Chih Chen, V. Vijaya Padma, Hsiang-Ning Luk, Hsiang-Chen Lee, and Chih-Yang Huang.
Environmental Toxicology (2021).
5. ["Hsa-miR-107 regulates chemosensitivity and inhibits tumor growth in hepatocellular carcinoma cells."](#)
Chen, Hsin-An, Chi-Cheng Li, Yu-Jung Lin, Tso-Fu Wang, Ming-Cheng Chen, Yen-Hao Su, Yu-Lan Yeh, V. Vijaya Padma, Po-Hsiang Liao, and Chih-Yang Huang.
Aging (Albany NY) 13, no. 8 (2021): 12046.
6. ["miR-145-5p targets paxillin to attenuate angiotensin II-induced pathological cardiac hypertrophy via downregulation of Rac 1, pJNK, pc-Jun, NFATc3, ANP and by Sirt-1 upregulation."](#)
Lin, Kuan-Ho, V. Bharath Kumar, Tamilselvi Shanmugam, Marthandam Asokan Shibu, Ray-Jade Chen, Chia-Hua Kuo, Tsung-Jung Ho, V. Vijaya Padma, Yu-Lan Yeh, and Chih-Yang Huang.
Molecular and Cellular Biochemistry (2021): 1-8.
7. ["Cardioprotective effects of transplanted adipose-derived stem cells under Ang II stress with Danggui administration augments cardiac function through upregulation of insulin-like growth factor 1 receptor in late-stage hypertension rats."](#)
Barik, Parthasarathi, Marthandam Asokan Shibu, Dennis Jine-Yuan Hsieh,

Cecilia Hsuan Day, Ray-Jade Chen, Wei-Wen Kuo, Yung-Ming Chang, V. Vijaya Padma, Tsung-Jung Ho, and Chih-Yang Huang.
Environmental Toxicology (2021).

8. ["Bioactive dipeptide from potato protein hydrolysate combined with swimming exercise prevents high fat diet induced hepatocyte apoptosis by activating PI3K/Akt in SAMP8 mouse."](#)
Lai, Pei-Fang, Rathinasamy Baskaran, Chia-Hua Kuo, Cecilia Hsuan Day, Ray-Jade Chen, Tsung-Jung Ho, Yu-Lan Yeh, Viswanadha Vijaya Padma, Chin-Hu Lai, and Chih-Yang Huang.
Molecular Biology Reports 48, no. 3 (2021): 2629-2637.
9. "CHIP Reverses Hyperglycemia-associated PTEN Stability in Wharton's Jelly Derived Mesenchymal Stem Cells and Promotes Its Therapeutic Potential Against Diabetes-induced Cardiac Injury." (2021). Ali, Ayaz, Wei-Wen Kuo, Chia-Hua Kuo, Jeng-Feng Lo, Ray-Jade Chen, Cecilia Hsuan Day, Tsung-Jung Ho, Vijaya V. Padma, Marthandam Asokan Shibu, and Chih-Yang Huang.
10. [Diabetes-induced cardiomyopathy](#)
is ameliorated by heat-killed *Lactobacillus reuteri* GMNL-263 in diabetic rats via the repression of the toll-like receptor 4 pathway Chung-Jen Chiang, Bruce Chi-Kang Tsai, Tzu-Li Lu, Yun-Peng Chao, Cecilia Hsuan Day, Tsung-Jung Ho, Pin-Ning Wang, Sheng-Chuan Lin, V Vijaya Padma, Wei-Wen Kuo, Chih-Yang Huang
European Journal of Nutrition (2021): 1-13.
11. [Hyperglycemia-Induced Cardiac Damage](#)
Is Alleviated by Heat-Inactivated *Lactobacillus reuteri* GMNL-263 via Activation of the IGF1R Survival Pathway Ker-Ping Koay, Bruce Chi-Kang Tsai, Chia-Hua Kuo, Wei-Wen Kuo, Hsiang-Ning Luk, Cecilia Hsuan Day, Ray-Jade Chen, Michael Yu-Chih Chen, V Vijaya Padma, Chih-Yang Huang
Probiotics and Antimicrobial Proteins (2021): 1-10.
12. [Platycodin D reverses histone deacetylase inhibitor resistance in hepatocellular carcinoma cells by repressing ERK1/2-mediated cofilin-1 phosphorylation.](#)
Hsu, W.C., Ramesh, S., Shibu, M.A., Chen, M.C., Wang, T.F., Day, C.H., Chen, R.J., Padma, V.V., Li, C.C., Tseng, Y.C. and Huang, C.Y., 2021.
Phytomedicine,
82, p.153442.

13. ["Convenient method for the synthesis of some novel chiral methyl 2-\(2-oxo-2H-benzo \[e\]\[1, 3\] oxazin-3 \(4H\)-yl\) propanoate derivatives and biological evaluation of their antioxidant, cytotoxic, and molecular docking properties."](#)
Matam, Sivakumar, Prabakaran Kaliyan, Loganathan Selvaraj, Seenivasa Perumal Muthu, Bharathi Priya Lohanathan, Vijaya Padma Viswanadhan, Himesh Makala, and Ulaganathan Venkatasubramanian.
Journal of Heterocyclic Chemistry 58, no. 2 (2021): 569-579.
14. ["Oral administration of green tea Epigallocatechin-3-gallate reduces oxidative stress and enhances restoration of cardiac function in diabetic rats receiving autologous transplantation of adipose-derived stem cells."](#)
Chen, Tung-Sheng, Show-Yih Liou, Hsin-Hung Lin, Meng-Yu Hung, Chien-Chung Lin, Yueh-Min Lin, Kuan-Ho Lin et al.
Archives of physiology and biochemistry 127, no. 1 (2021): 82-89.
15. [Reversal of doxorubicin resistance in lung cancer cells by neferine is explained by nuclear factor erythroid-derived 2-like 2 mediated lung resistance protein down regulation."](#)
Paramasivan, Poornima, Jothi Dinesh Kumar, Rathinasamy Baskaran, Ching Feng Weng, and Viswanadha Vijaya Padma.
Cancer Drug Resistance 3, no. 3 (2020): 647-665.
16. [The protective effect of piperine against isoproterenol-induced inflammation in experimental models of myocardial toxicity](#)
Viswanadha, Vijaya Padma, Velumani Dhivya, Narasimha Murthy Beeraka, Chih-Yang Huang, Liliya V. Gavryushova, Nina N. Minyaeva, Vladimir N. Chubarev, Liudmila M. Mikhaleva, Vadim V. Tarasov, and GjurmakchAliev.
European Journal of Pharmacology (2020):173524.
17. [The Role of Mitochondria in Piperine Mediated Cardioprotection in Isoproterenol Induced Myocardial Ischemia](#)
Viswanadha, Vijaya Padma, Velumani Dhivya, Bharath Somasundaram, Narasimha Murthy Beeraka, Chih-Yang Huang, Liudmila M. Mikhaleva, EvgenyAchkasov et al.
Current pharmaceutical design-2020
18. ["The soybean bioactive peptide VHVV alleviates hypertension-induced renal damage in hypertensive rats via the SIRT1-PGC1 \$\alpha\$ /Nrf2 pathway."](#)

Tsai, Bruce Chi-Kang, Wei-Wen Kuo, Cecilia Hsuan Day, Dennis Jine-Yuan Hsieh, Chia-Hua Kuo, Jayasimharayalu Daddam, Ray-Jade Chen, V. Vijaya Padma, Guiqing Wang, and Chih-Yang Huang.

Journal of Functional Foods 75 (2020): 104255.

19. [Inhibition of cell death-inducing p53 target 1 through miR-210-3p overexpression attenuates reactive oxygen species and apoptosis in rat adipose-derived stem cells challenged with Angiotensin II.](#)

Lai, Chin-Hu, Parthasarathi Barik, Dennis Jine-Yuan Hsieh, Cecilia Hsuan Day, Tsung-Jung Ho, Ray-Jade Chen, Wei-Wen Kuo, V. Vijaya Padma, Marthandam Asokan Shibu, and Chih-Yang Huang.

Biochemical and Biophysical Research Communications 532, no. 3 (2020): 347-354.

20. ["Dipeptide IF prevents the effects of hypertension-induced Alzheimer's disease on long-term memory in the cortex of spontaneously hypertensive rats."](#)

Chang, Yung-Ming, K. Ashok Kumar, Da-Tong Ju, Tsung-Jung Ho, B. Mahalakshmi, Wan-Teng Lin, Cecilia H. Day, V. Vijaya Padma, Po-Hsiang Liao, and Chih-Yang Huang.

Environmental toxicology 35, no. 5 (2020): 570-581.

21. ["Cardiac injury and COVID-19: A Review on available present-day literature."](#)

Padma, V., Rameez B. Raja, and Abhilash B. Nair.

Biomedicine 40, no. 4 (2020): 420-428.

22. [Reversal of doxorubicin resistance in lung cancer cells by neferine is explained by nuclear factor erythroid-derived 2-like 2 mediated lung resistance protein down regulation.](#)

Paramasivan, Poornima, Jothi Dinesh Kumar, Rathinasamy Baskaran, Ching Feng Weng, and Viswanadha Vijaya Padma.

Cancer Drug Resistance 3, no. 3 (2020): 647-665.

23. [Diallyl Trisulfide \(DATS\) Suppresses AGE-Induced Cardiomyocyte Apoptosis by Targeting ROS-Mediated PKC \$\delta\$ Activation](#)

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