

## Faculty Portfolio

### **Dr. Rajalakshimi Vasudevan**

Assistant Professor,

Pharmacology Department, College of Pharmacy, King Khalid University

**Email:** raja@kku.edu.sa; rajii.vasudevan86@gmail.com;

**Phone:** +966508426425

### **Education:**

<b>Year of Graduation</b>	<b>Qualifications</b>	<b>University/College, Country</b>
2021	Doctor of Philosophy	Vels Institute of Science, Technology and Advanced Studies (VISTAS), Tamil Nadu, India.
2010	Master of Pharmacy (Pharmacology)	Madras Medical College, The Tamil Nadu Dr. MGR Medical University, Tamil Nadu, India.
2007	Bachelor of Pharmacy	PSG College of Pharmacy, Dr. MGR Medical University, Tamil Nadu, India.
2003	Higher secondary school (Class XII)	D.A.V Matric. Hr. Sec. School, Chennai, India.

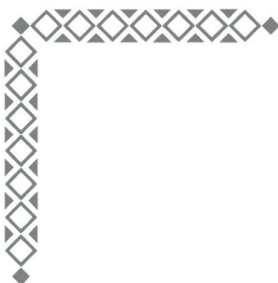
### **Professional experience:**

<b>Year</b>	<b>Positions</b>	<b>University/College, Country</b>
Sep'13 – Present	Assistant Professor Pharmacology Dept.	College of Pharmacy, King Khalid University, Abha, KSA
Oct'12 – Aug'13	Assistant Professor Pharmacology Dept.	SRM college of Pharmacy, SRM University, Chennai.

Jun'12 – Sep'12	Assistant Professor Pharmacology Dept.	Jagan's College of Pharmacy, JNTU University, A.P
May'10 – May'11	Assistant Professor Pharmacology Dept.	Saastra College of Pharmaceutical Education & Research, JNTU University, A.P
May'09 – Apr'10	Junior Research Scholar	Central Scientific Institute of Research Institute (CSIR), Chennai

**Academic/Research Awards:**

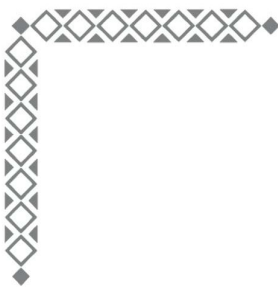
Year of Award	Name of the Award	University/Company, Country
2022	Best Quality practitioner award	King Khalid University
2020	Best Poster Award (Anti-depressant and Anxiolytic Potentials of chewing stick, <i>Salvadora persica</i> )	Duphat conference, Dubai
2019	Best Faculty Award	College of Pharmacy, King Khalid University, Saudi Arabia
2019	First Position in Student Research Day Poster. (Anti-depressant and Anxiolytic Potentials of chewing stick, <i>Salvadora persica</i> )	College of Pharmacy, King Khalid University, Saudi Arabia
2018	First position in Student Research Day Poster. (Anti-nociceptive effect of novel anticonvulsant in animal models of acute and chronic pain)	College of Pharmacy, King Khalid University, Saudi Arabia
2018	Second best poster in Student Research Day Poster. (Potential analgesic and diuretic activity of <i>Crataegus oxyacantha</i> )	College of Medicine and applied medical sciences, King Khalid University, Saudi Arabia



2017	Third Position in Student Research Poster (CNS activity of the ethylacetate extract of stem bark of <i>Dodonaea viscosa</i> )	College of Pharmacy, King Khalid University, Saudi Arabia
2016	Second Position in Student Research Day Poster (Screening of <i>Crataegus oxyacantha</i> linn. For Diuretic activity)	College of Pharmacy, King Khalid University, Saudi Arabia
2007	Best Outgoing student (2003-2007)	College of Pharmacy, PSG, Coimbatore
2007	Best Academic Performance (2003-2007)	College of Pharmacy, PSG, Coimbatore
2007	Excellence in Pharmacology (2003-2007)	College of Pharmacy, PSG, Coimbatore
2007	Excellence in Pharmaceutical Chemistry (2003-2007)	College of Pharmacy, PSG, Coimbatore
2007	Excellence in Pharmacognosy (2003-2007)	College of Pharmacy, PSG, Coimbatore

**Workshops/ Trainings:**





Year	Title	University/Company, Country
March 2020	Faculty Development Day	King Khalid University

### Core Qualifications

- Strong presence as well as sense of urgency and priorities as well as flexibility. The ability and strong desire to "make things happen"
- Responsible for leading the department in quality assurance and quality control activities.
- Eminent Part of the NCAAA accreditation team
- Participate on teams working on improvements to the quality system and continuous improvement projects
- Reviewed quality assurance standards, studied existing policies and procedures and interviewed personnel to evaluate effectiveness of quality assurance programs.
- Eloquent in speech and capable of making oral presentations or submitting written reports
- Experience managing external projects, including study design, data and sample management
- Great analytical skills and problem-solving capabilities
- Deep understanding of all mathematics and sciences relevant to pharmacology
- Manually adept in using small medical equipment or large machines
- Online learning and assessment tests including Blackboard, Exam Soft, Polls, Zooms etc.

### Research interests:

- Isolation and characterization of bio-active compounds from medicinal plants
- Synthesis of biologically interesting compounds and evaluation of its' effect using pharmacological studies
- Identify and develop novel animal models and design in vivo studies to test the therapeutic efficacy
- Executing preclinical studies to provide in vivo data on drug candidates.
- Perform testing on animals and/or willing patients to determine the effects of new drugs in the approval process
- Participates in a clinical study to evaluate specific drug therapy management plans
- Performs research on community-based clinical studies.
- Perform research on the positive and negative effects of currently approved medications and their related diseases and disorders
- Determine the recommended dosage of medications both prescription and OTC according to condition and overall health of the patient



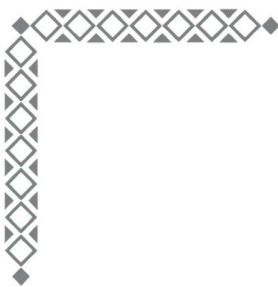


- Explore new possibilities in the world of pharmacology studying new biological compounds and performing tests on newly discovered medications

#### **Publications:**

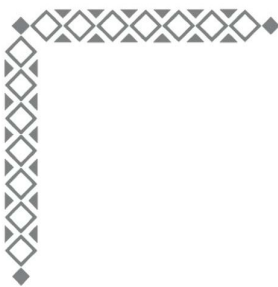
- A. Aldahish, **R. Vasudevan**, H. Salem, A. Alqahtani, S. Alqasim, A. Alqhatani<sup>1</sup>, m. alshahrani<sup>1</sup>, l. al mohsen<sup>1</sup>, m. hajla<sup>1</sup>, d. calina<sup>3</sup>, j. sharifi-rad<sup>4</sup> Telogen effluvium and COVID-19: a cross-sectional study. *European Review for Medical and Pharmacological Sciences* 2023; 27: 7823-7830
- Shivanandappa, T.B.; Chinnadhurai, M.; Kandasamy, G.; **Vasudevan, R.**; Sam, G.; Karunakarannair, A. *Ziziphus mauritiana* Leaves Normalize Hormonal Profile and Total Cholesterol in Polycystic Ovarian Syndrome Rats. *Plants* **2023**, *12*, 2599. <https://doi.org/10.3390/plants12142599>
- Ghazwani M, **Vasudevan R**, Kandasamy G, Manusri N, Devanandan P, Puvvada RC, Veeramani VP, Paulsamy P, Venkatesan K, Chidmabaram K, et al. Formulation of Intranasal Mucoadhesive Thermotriggred In Situ Gel Containing Mirtazapine as an Antidepressant Drug. *Gels*. 2023; 9(6):457. <https://doi.org/10.3390/gels9060457>
- Moteb Khobrani, Geetha Kandasamy, **Rajalakshimi Vasudevan**, AbdulAziz Alhossan, Ranadheer Chowdary Puvvada, Praveen Devanandan, Rajeshri Dhurke, Manusri Naredla, Impact of vitamin B6 deficiency on the severity of diabetic peripheral neuropathy – A cross sectional study, *Saudi Pharmaceutical Journal*, Volume 31, Issue 5, 2023, Pages 655-658, ISSN 1319-0164, <https://doi.org/10.1016/j.jsps.2023.03.005>.
- Geetha Kandasamy, Dalia Almaghaslah, **Rajalakshimi Vasudevan**, Eman Shorog, Asma M. Alshahrani, Enas Alsawaq, Wafa Alzlaiq, Kousalya Prabahaar\_Vinoth Prabhu Veeramani, Hanan Alshareef. Assessment of oral health literacy and oral health-related quality of life in Saudi university students: A cross-sectional study 2023;50(9); 852-859





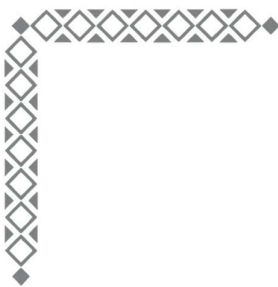
- Venkatesan, K., Alghazwani, Y., Sivadasan, D. *et al.* **Vasudevan R**, Effects of Bioactive Compound, Ginsenoside Rb1 on Burn Wounds Healing in Diabetic Rats: Influencing M1 to M2 Phenotypic Trans. *Waste Biomass Valor* (2023). <https://doi.org/10.1007/s12649-023-02147-y>
- **Rajalakshimi Vasudevan**, Geetha Kandasamy, Afaf Aldahish, Mona Almanasef, Moteb Khobrani, Eman Shorog, Kousalya Prabahar, Enas Mohammed Alsawaq, Shadma Wahab, M Yasmin Begum, Premalatha Paulsamy Antidepressant and Anxiolytic Potentials of the Chewing Stick, *Salvadora persica*. *Journal of Tropical Medicine*. vol. 2023, Article ID 9683240, 10 pages, 2023.
- Aldahish A, Balaji P, **Vasudevan R**, Kandasamy G, James JP, Prabahar K. Elucidating the Potential Inhibitor against Type 2 Diabetes Mellitus Associated Gene of GLUT4. *Journal of Personalized Medicine*. 2023; 13(4):660. <https://doi.org/10.3390/jpm13040660>
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- Krishnaraju Venkatesan, Durgaramani Sivadasan, Yahia Alghazwani, Yahya I Asiri, Kousalya Prabahar, Ali Al-Qahtani, Jamal Moideen Muthu Mohamed, Noohu Abdulla Khan, Kalpana Krishnaraju, Premalatha Paulsamy, **Rajalakshimi Vasudevan**, Kumar Venkatesan Potential of seaweed biomass: snake venom detoxifying action of brown seaweed *Padina boergesenii* against *Naja naja* venom. *Biomass Conv. Bioref.* (2023). <https://doi.org/10.1007/s13399-023-03922-6>
- Khobrani, M.; **Vasudevan, R.**; Kandasamy, G.; Gramish, J.A.; Prabahar, K.; Paulsamy, P. Evaluation of Health Care Professionals' Knowledge, Attitudes, and Practice to Prevent the Pandemic Spread of COVID-19: A Questionnaire-Based Cross-Sectional Study from Abha, Saudi Arabia. *Healthcare* **2023**, *11*, 509. <https://doi.org/10.3390/healthcare11040509>
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- Kumarappan Chidambaram, Taha Alqahtani, Yahia Alghazwani, Afaf Aldahish, Sivakumar Annadurai, Kumar Venkatesan, Kavitha Dhandapani, Ellappan Thilagam, Krishnaraju Venkatesan, Premalatha Paulsamy, Rajalakshimi Vasudevan, and Geetha Kandasamy<sup>7</sup> Medicinal Plants of Solanum Species: The Promising Sources of Phyto-Insecticidal Compounds. *Journal of Tropical Medicine*, Volume 2022, Sep 28 2022.
- Mahadevan Nanjaian, Munish Goyal, **Rajalakshimi Vasudevan**, Noohu Abdulla Khan, Kumarappan Chidambaram. Hepatoprotective effect of combined extracts of *Andrographis paniculata*, *Boerhavia diffusa*, *Eclipta alba* and *Picrorhiza kurroa* on carbon tetrachloride and paracetamol-induced hepatotoxicity in rats *Indian Journal of Traditional Knowledge* 2022, 21(3);545-551.
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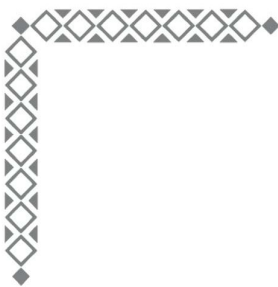


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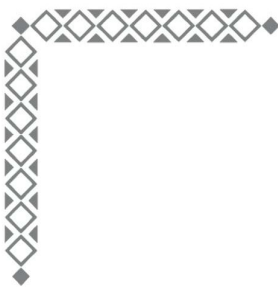






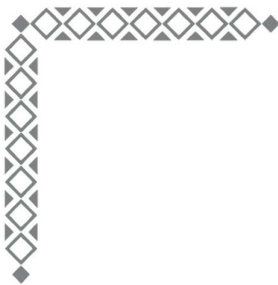
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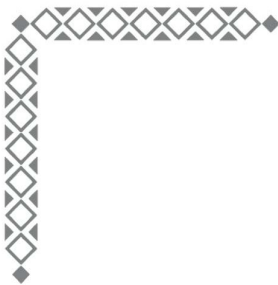


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#### **Conference Attendance/Presentations:**

1. Participated in the International webinar conducted by Dr. MGR Janaki College of Arts and Science for Women and Madras Library Association on 2<sup>nd</sup> of July 2020 on the topic “Basics of Research Journal Publication”
2. Participated in the webinar on “Chiral Chromatography” by Interdisciplinary Institute of Medicine and SRM institute of science and technology on July 15th, 2020.
3. Participated in the webinar on “Patentable inventions and Patent filing procedures” Organized by Department of Pharmaceutical Chemistry & Analysis, School of Pharmaceutical Sciences, VISTAS, Chennai, on 9<sup>th</sup> June 2020 from 04:00 pm to 05:00 pm.





4. Participated in webinar on “Online resources for research and Plagiarism” on June 2<sup>nd</sup> 2020 conducted by Ansal University, Gurgaon.
5. Participated in the international webinar “Management of SAD (Stress, Anxiety and Depression) during COVID 19 lockdown” on MAY 15<sup>th</sup> 10:00 AM-11:00 AM
6. Participated in DUPHAT conference in the year 2020 as a supervisor for the research entitled “Anti-depressant and Anxiolytic Potentials of chewing stick, *Salvadora persica*”.
7. Presented a poster Anti-nociceptive effect of novel anticonvulsant in animal models of acute and chronic pain at 14<sup>th</sup> Annual Research Day, King Khalid University, Saudi Arabia; 2019
8. Presented a poster Potential Analgesic and Diuretic Activity of *Crataegus oxyacantha* at 13<sup>th</sup> Annual Research Day, King Khalid University, Saudi Arabia; 2018
9. Screening of *Crataegus oxyacantha* linn. For Diuretic activity; at 5<sup>th</sup> Pharmacy Research Day, Qassim University, Saudi Arabia; 2017.

