



## **Dr. V. V. SATHIBABU UDDANDRAO**

**Assistant Professor**  
Department of Biochemistry  
K.S. Rangasamy College of Arts  
and Science (Autonomous)  
Tiruchengode-637215  
Tamilnadu, India  
✉ **sathibabu.u@gmail.com**  
📞 **+91 9524226666**

### **1. CAREER OBJECTIVE**

To become a successful professional in research and teaching in life science, work innovatively, and compete with emerging trends.

### **2. EDUCATIONAL QUALIFICATIONS**

**1. Ph.D., (Biochemistry) – Periyar University, Salem, Tamilnadu (2016-2020) [Highly Commended]**

**Thesis entitled “Effects of S- Allylcysteine in Streptozotocin – Nicotinamide induced renal damage in rats”**

**2. M.Sc., (Biochemistry) – 77.14% –K.S.R. College of Arts and Science, Periyar University, Tamilnadu (2008-2010)**

**3. B.Sc., (Botany, Zoology, Chemistry) – 71.52% - G.B.R. Degree College, Andhra University, AP (2005-2008)**

### **3. WORK EXPERIENCE**

**1. Assistant Professor, Department of Biochemistry, K.S. Rangasamy College of Arts and Science (Autonomous) , Tiruchengode, Tamilnadu- 08.02.2021 to till date**

**2. ICMR-SRF (Indian Council of Medical Research, Government of India) 01.02.2019 – 07.02.2021 (Ref. No: 45/2/2019/MP/BMS), K.S. Rangasamy College of Arts and Science, Tiruchengode, Tamilnadu.**

**3. JRF & SRF (DST-SERB, Government of India) 4<sup>th</sup> February, 2015 – 04<sup>th</sup> February 2018**

**DST-SERB Sponsored project (Ref. No: DST/SERB/SR/SO/HS/0227-2017)**

**K.S. Rangasamy College of Arts and Science, Tiruchengode, Tamilnadu.**

**4. QC-Executive June 2012 — January 2015**

**Nakshatra Biotech, Kelamangalam, Tamilnadu, India**

### **4. GRANTS RECEIVED AS PRINCIPAL INVESTIGATOR**

**1. Indian Council of Medical Research (ICMR)-SRF, Government of India: “Beneficial effect of poly herbal formulation against diabetic cardiomyopathy and to understand its mode of action in streptozotocin-nicotinamide induced diabetic rats”–February 2019–February 2021. [Ref. No: 45/2/2019/MP/BMS; Received Rs. 9,61,900]**

**2. Tamil Nadu State Council for Science and Technology (TNSCST), Government of Tamilnadu: “An Endeavour to Prepare a Poly Herbal Drug to Protect against Urinary Tract Infection causing Microorganisms” – December 2021-May 2022. [Ref. No: BS-644, Received Rs. 7500]**

### **5. RESEARCH PROJECTS CARRIED OUT**

**1. Department of Science and Technology (DST-SERB) Project as JRF & SRF: “Effects of S- Allylcysteine in Streptozotocin – Nicotinamide induced renal damage in rats” – February, 2015 – February, 2018.**

**Ref. No: DST/SERB/SR/SO/HS/0227-2017**

---

**2. M.Sc., Project:** “Biochemical investigation of macro-nutrients in fresh and fried date seed and identification of compounds by GC-MS and FT-IR methods”, **Indian Institute of Crop Processing Technology**, Tamilnadu- December 2009 – February 2010.

## 6. PROFESSIONAL TRAININGS UNDERGONE

- 1. Animal Handling training (Adhoc):** National Centre for Laboratory Animal Sciences (NCLAS), National Institute of Nutrition (NIN), Hyderabad- 10<sup>th</sup> November, 2014 – 21<sup>st</sup> November, 2014.
- 2. Internship Training on Diagnostic Techniques:** Sri Krishna Sai Diagnostic and research Pvt. Ltd, Hyderabad, 1<sup>st</sup> June, 2009 – 15<sup>th</sup> June, 2009.

## 7. AWARDS

- 1. National Level “Best Academic Researcher-2019 Award”:** Dr. Kalam Educational Trust, Chennai, Tamilnadu.
- 2. Best Poster Presentation Award:** ICMR sponsored National conference on Challenging Issues and Technological Approaches in Medicine (CITAM-2016), Avinashilingam University, Coimbatore, Tamilnadu.
- 3. Best Young Scientist Award-2024:** Asian PGPR Society, Aalabama, USA

## 8. AS AN EDITOR FOR BOOKS

- 1. Principal Editor, Bentham Books**, entitled “Advancements in Cardiovascular Research and Therapeutics: Molecular and Nutraceutical perspectives”. **DOI: 10.2174/97898150508371220101**
- 2. Principal Editor, Bentham Books**, entitled “Therapeutic Plants: Recent Advances in the use of Herbs as Alternative Medications”. **[Accepted for Publication]**

## 9. AS A REVIEWER FOR JOURNALS

- Evidence-Based Complementary and Alternative Medicine [Hindawi]
- Oxidative Medicine and Cellular Longevity [Hindawi]
- The Journal of Nutritional Biochemistry [Elsevier]
- Revista Brasileira de Farmacognosia/Brazilian Journal of Pharmacognosy [Springer]
- Heliyon [Cell Press]
- Food Bioscience [Elsevier]
- Behavioural Brain Research [Elsevier]
- Scientific Reports [Nature Publishers]
- Journal of Traditional and Complementary Medicine [Elsevier]
- Comparative Clinical Pathology [Springer]
- Fitoterapia [Elsevier]
- South African Journal of Botany [Elsevier]
- Cardiovascular Toxicology [Springer]
- Cell Biochemistry and Biophysics [Springer]
- Human Fertility [Taylor & Francis]
- Journal of Functional Foods [Elsevier]

**10. PUBLICATIONS STATISTICS**

<b>Total Publications (International &amp; National)</b>		<b>67</b>
<b>Patents Published</b>		<b>02</b>
<b>Total Papers Published in Peer Reviewed Journals</b>		<b>49</b>
<b>Book Chapters</b>		<b>06</b>
<b>Book Editor</b>		<b>02</b>
<b>Total Conference Proceedings with ISBN</b>		<b>10</b>
<b>SCI Indexed</b>		<b>22</b>
<b>SCOPUS Indexed</b>		<b>40</b>
<b>Pub Med Indexed</b>		<b>33</b>
<b>As First Author Publications in Peer Reviewed Journals</b>		<b>32</b>
<b>Conference/Workshops/FDP/ Presented/Attended</b>		<b>49</b>
<b>Cumulative Impact Factor</b>		<b>83.2</b>
<b>Total Citations (As of 24.09.2024)</b>	<b>SCOPUS</b>	<b>744</b>
	<b>Google Scholar</b>	<b>1009</b>
<b>h-Index</b>	<b>SCOPUS</b>	<b>15</b>
	<b>Google Scholar</b>	<b>17</b>
<b>i10-index</b>	<b>Google Scholar</b>	<b>24</b>

## 10.1. Details of Patents

S. No	Title of the Invention	Inventors	Filed on	Published on	Application No
1	Cerebroprotective Effect of Whole Plant of <i>Cynodon dactylon</i> in Bilateral Carotid Artery Occlusion Induced Cerebral Ischemic Rats	Ravichandran, Bhavani J, Manikgantan E M, Saravanakumar A, Gandhimathi R, Saravanan G, <b>V. V. Sathibabu Uddandrao</b>	13.04.2023	05.05.2023	202341027352 A
2	Aqueous Extract Of <i>Tinospora sinensis</i> Showing Anti-Arthritis Activity Against Formaldehyde Induced Arthritis In Rats	A.Saravanakumar, V.R.Ravikkumar, G.Rathinavel, S.A. Mohamed Shiek Arabath, Sangeetha Mani, B.S. Subhasree, <b>V. V. Sathibabu Uddandrao</b> , R. Meenakshi Sundaram, R.Gandhimathi	01.12.2023	5.01.2024	202341081923 A

## 10.2. List of Publications in Peer-reviewed Journals

S. No	Names of Authors	Title of Paper	Name of Journal	Year, Volume & Page No	Impact Factor (As per SJR 2023)
1	<b>V. V. Sathibabu Uddandrao</b> , Seshathri E, Asokan B R, Sengottuvelu S, et al.,	Hydroxycitric acid and capsaicin combination alleviates obesity-induced testicular apoptosis, oxidative stress and inflammation	Systems Biology in Reproductive Medicine	2024, 70, 20-37	<b>2.1</b>
2	Tamilmani, <b>V. V. Sathibabu Uddandrao</b> , et al., <b>*Equally contributed</b>	Linalool attenuates lipid accumulation and oxidative stress in metabolic dysfunction-associated steatotic liver disease via Sirt1/Akt/PPRA- $\alpha$ /AMPK and Nrf-2/HO-1 signaling pathways	Clinics and Research in Hepatology and Gastroenterology	2023, 47, 102231	<b>2.6</b>

3	Ponnusamy C, V. V. Sathibabu Uddand Rao#, Sasikumar V, Prabhu P, Ganapathy S #Equally contributed	Partially Purified Polysaccharides from Lentinus edodes (Mushroom) Scavenge Free Radicals and Induce Apoptosis in MCF-7 Cancer Cells by Regulating Apoptotic Genes	Indian Journal of Pharmaceutical Education and Research	2024, 58(2), 535-545	0.8
4	V. V. Sathibabu Uddand Rao., Brahma Naidu, P., Chandrasekaran, P., & Saravanan, G.	Pathophysiology of obesity-related infertility and its prevention and treatment by potential phytotherapeutics	International Journal of Obesity	2024, 48, 147–165	4.2
5	Sethumathi, P. P#; V. V. Sathibabu Uddand Rao #; Chandrasekaran, P. et al., #Equally contributed	Biochanin-A attenuates high-fat diet and streptozotocin-induced hyperlipidemia and oxidative stress in rats by improving antioxidant status and lipid metabolic markers	Asian Pacific Journal of Tropical Biomedicine	2023, 13(11): 460-468	1.7
6	V. V. Sathibabu Uddand Rao, et al.,	Phytoformulation with hydroxycitric acid and capsaicin protects against high-fat-diet-induced obesity cardiomyopathy by reducing cardiac lipid deposition and ameliorating inflammation and apoptosis in the heart	Journal of Traditional and Complementary Medicine	2024, 14(2), 162-172	3.3
7	V. V. Sathibabu Uddand Rao, P. Brahma Naidu G. Saravanan et al.,	Effect of S-Allylcysteine against diabetic nephropathy via inhibition of MEK1/2-ERK1/2-RSK2 signalling pathway in streptozotocin-nicotinamide-induced diabetic rats	Archives of Physiology and Biochemistry	2023, 129(1):213-221	2.5
8	Tamilmani, V. V. Sathibabu Uddand Rao, et al., #Equally contributed	Linalool Mitigated High-Fat Diet–Induced Non-alcoholic Fatty Liver Disease by Regulating the Intestinal-Hepatic Axis via TGF-β/NF-kB/ TLR4/ZO-1 Pathway	Revista Brasileira de Farmacognosia/ Brazilian Journal of Pharmacognosy	(2023) 33:617–628	1.4

9	Seshathri E, Prathap B, <b>V. V. Sathibabu Uddandrao</b> , Anitha Roy, Sengottuvelu S	Beta-glucan suppresses high-fat-diet-induced obesity by attenuating dyslipidemia and modulating obesogenic marker expressions in rats	Fundamental and Clinical Pharmacology	2023, 37(3):629-638	<b>2.1</b>
10	A. Jansy <sup>#</sup> , <b>V. V. Sathibabu Uddandrao<sup>#</sup></b> , G Saravanan, and Vadivukkarasi S. <b>#Equally contributed</b>	Biochanin A attenuates obesity cardiomyopathy in rats by inhibiting oxidative stress and inflammation through the Nrf-2 pathway.	Archives of Physiology and Biochemistry	2023, 129(3):788-798	<b>2.5</b>
11	<b>V. V. Sathibabu Uddandrao</b> , P. Brahmanaidu G. Saravanan et al.,	Polyherbal Formulation Ameliorates Diabetic Cardiomyopathy Through Attenuation of Cardiac Inflammation and Oxidative Stress Via NF-κB/Nrf-2/HO-1 Pathway in Diabetic Rats	Journal of Cardiovascular Pharmacology	2022, 79(1), 75-86	<b>2.6</b>
12	Pudhupalayam, S.P., <b>V. V. Sathibabu Uddandrao.</b> , Ponnusamy, C. et al. <b>#Equally contributed</b>	Biochanin A Attenuates Hyperglycemia in High-Fat Diet–Streptozotocin–Induced Diabetic Rats by Modulating the Activities of Carbohydrate-Metabolizing Enzymes in Vital Organs	Revista Brasileira de Farmacognosia/ Brazilian Journal of Pharmacognosy	2022, 32, 608–617	<b>1.4</b>
13	G. Sangeethadevi <sup>#</sup> , <b>V. V. Sathibabu Uddandrao<sup>#</sup></b> , G. Saravanan, <b>#Equally contributed</b>	Attenuation of lipid metabolic abnormalities, proinflammatory cytokines, and matrix metalloproteinase expression by Biochanin-A in Isoproterenol- induced Myocardial Infarction in Rats	Drug and Chemical Toxicology	2022, 45(5):1951-1962	<b>2.1</b>
14	Anitha Roy, V M Neelakantappa, .... <b>V. V. Sathibabu Uddandrao</b>	Beta-glucan protects against isoproterenol-induced cardiac remodeling by regulating the ACE-AT1R axis and attenuates cardiac inflammation and apoptosis	Asian Pacific Journal of Tropical Biomedicine	2023, 13, 384-392	<b>1.7</b>
15	Pavithra <sup>#</sup> , <b>V. V. Sathibabu Uddandrao<sup>#</sup></b> , et al., <b>#Equally contributed</b>	Phenolic fraction extracted from <i>Kedrostis foetidissima</i> leaves ameliorated isoproterenol-induced cardiotoxicity in rats through restoration of cardiac antioxidant status	Journal of Food Biochemistry	2020, 44(11):e13450	<b>3.5</b>

16	<b>V. V. Sathibabu Uddandrao,</b> G. Saravanan et al.,	Restorative Potentiality of S-Allylcysteine against Diabetic Nephropathy through Attenuation of Oxidative stress and Inflammation in Streptozotocin-Nicotinamide induced Diabetic Rats	European Journal of Nutrition	2019; 58: 2425-2437	<b>4.1</b>
17	Brahmanaidu, <b>V. V. Sathibabu Uddandrao,</b> Saravanan	Diabetic Cardiomyopathy: molecular mechanisms, detrimental effects of conventional treatment, and beneficial effects of natural therapy	Heart Failure Reviews	2019; 24(2): 279-299	<b>4.5</b>
18	Ponnusamy C, <b>V. V. Sathibabu Uddandrao,</b> et al., #Equally contributed	<i>Lentinula Edodes</i> (Edible Mushroom) as a Nutraceutical: A Review	Biosciences Biotechnology Research Asia	2022, 19(1), 1-11	-
19	P. Chandrasekaran, <b>V. V. Sathibabu Uddandrao,</b> P. et al., #Equally contributed	Evaluation of Antioxidant and Antidiabetic Potential of Polyherbal Drug Made with Three Herbs: An In vitro Cell Culture Model	Bioscience Biotechnology Research Communications	2021, 14, 1627-1635	-
20	<b>V. V. Sathibabu Uddandrao,</b> G. Saravanan et al.,	Anti-obesity efficacy of Asiatic acid: Down-regulation of Adipogenic and Inflammatory processes in high fat diet induced obese rats	Archives of Physiology and Biochemistry	2020, 126(5):453-462	<b>2.5</b>
21	Pavithra, <b>V. V. Sathibabu Uddandrao,</b> et al	Phenolic-fractions of <i>Kedrostis foetidissima</i> leaves ameliorate lysosomal damage and inflammation of isoproterenol-induced myocardial infarction in rats	Bioscience Biotechnology Research Communications	2021;14(2), 646-653	-
22	<b>V. V. Sathibabu Uddandrao,</b> G. Saravanan et al.,	Evaluation of the antioxidant and antidiabetic potential of the Poly Herbal Formulation. Identification of bioactive factors.	Cardiovascular & Hematological Agents in Medicinal Chemistry	2020;18(2):111-123	-

23	Swapna, <b>V. V. Sathibabu Uddandrao</b> , G. Saravanan	Mitigating Perspectives of Asiatic acid in the Renal derangements of Streptozotocin-Nicotinamide induced Diabetic Rats	Cardiovascular & Hematological Agents in Medicinal Chemistry	2020;18(1):37-44	-
24	Antony <sup>#</sup> , <b>V. V. Sathibabu Uddandrao<sup>#</sup></b> , Raveendran N, Sasikumar V <b>#Equally contributed</b>	Antiobesity effect of Biochanin-A: Effect on trace element metabolism in high fat diet-induced obesity in rats.	Cardiovascular & Hematological Agents in Medicinal Chemistry	2020;18(1):21-30	-
25	Govindasami S <sup>#</sup> , <b>V. V. Sathibabu Uddandrao<sup>#</sup></b> , et al., <b>#Equally contributed</b>	Therapeutic potential of biochanin-A against isoproterenol -induced myocardial infarction in rats.	Cardiovascular & Hematological Agents in Medicinal Chemistry	2020;18(1):31-36.	-
26	Kotturu SK, <b>V. V. Sathibabu Uddandrao</b> , Gosh S, Parim B.	Bio-active Compounds in Diabetic Cardiomyopathy: Current Approaches, Potential Diagnostic and Therapeutic Targets	Cardiovascular & Hematological Agents in Medicinal Chemistry	2021;19(2):118-130	-
27	Swapna, <b>V. V. Sathibabu Uddandrao</b> , G. Saravanan et al.,	Asiatic Acid Attenuate Type 2 Diabetes Mellitus Induced Alterations in Acetylcholinesterase and Antioxidant System of Brain in Rats	Bioscience Biotechnology Research Communications	2020, 13 (4), 2193-2199	-
28	Kalaivani <sup>#</sup> , <b>V. V. Sathibabu Uddandrao<sup>#</sup></b> , et al., <b>#Equally contributed</b>	Reversal of high fat diet-induced obesity through modulating lipid metabolic enzymes and inflammatory markers expressions in rats	Archives of Physiology and Biochemistry	2019, 125(3): 228-234	<b>2.5</b>
29	LiZaoni, <b>Sathibabu Uddandrao</b> , Saravanan Ganapathy et al.,	Asthma-alleviating Potential of 6-Gingerol: Effect on cytokines, related mRNA and c-Myc, NFAT1 expressions in Ovalbumin sensitised Asthma in Rats	Journal of Environmental Pathology, Toxicology and Oncology	2019; 38(1): 41-50	<b>2.1</b>



30	Balaji, <b>V.V. Sathibabu Uddandrao</b> et al.,	Antiobesity potential of Piperonal: promising modulation of body composition, lipid profiles and obesogenic marker expression in HFD-induced obese rats	BMC-Nutrition and Metabolism	2017; 14: 72	<b>3.9</b>
31	<b>V. V. Sathibabu Uddandrao</b> , G. Saravanan et al.,	Beneficial Role of Some Natural Products to Attenuate the Diabetic Cardiomyopathy through Nrf2 Pathway in Cell Culture and Animal Models	Cardiovascular Toxicology	2018; 18: 199-205	<b>3.4</b>
32	Rameshreddy <sup>#</sup> , <b>V. V. Sathibabu Uddandrao<sup>#</sup></b> , et al., <b>#Equally contributed</b>	Obesity-alleviating potential of asiatic acid and its effects on ACC1, UCP2, and CPT1 mRNA expression in high fat diet induced obese Sprague-Dawley rats	Molecular and Cellular Biochemistry	2018; 442: 143-154	<b>3.5</b>
33	Brahmanaidu <sup>#</sup> , <b>V. V. Sathibabu Uddandrao<sup>#</sup></b> , et al., <b>#Equally contributed</b>	Reversal of endothelial dysfunction in aorta of streptozotocin-nicotinamide-induced type-2 diabetic rats by S-Allylcysteine	Molecular and Cellular Biochemistry	2017; 432: 25-32	<b>3.5</b>
34	Kalaivani <sup>#</sup> , <b>V. V. Sathibabu Uddandrao<sup>#</sup></b> , et al., <b>#Equally contributed</b>	Anti obese potential of Cucurbita maxima seeds oil: effect on lipid profile and histoarchitecture in high fat diet induced obese rats	Natural Product Research	2018, 32:24, 2950-2953	<b>1.9</b>
35	Brahmanaidu, <b>V. V. Sathibabu Uddandrao</b> , Saravanan et al.,	Ameliorative potential of gingerol: Promising modulation of inflammatory factors and lipid marker enzymes expressions in HFD induced obesity in rats	Molecular and Cellular Endocrinology	2016, 419, 139-147	<b>3.8</b>
36	Brahmanaidu <sup>#</sup> , <b>V V Sathibabu Uddandrao<sup>#</sup></b> et al., <b>#Equally contributed</b>	Effects of S-allylcysteine on biomarkers of polyol pathway in experimental type 2 diabetes in rats	Canadian Journal of Diabetes	2016; 40: 442-448	<b>2.3</b>
37	Brahmanaidu, <b>V V Sathibabu Uddandrao</b> , Saravanan, Balaji	The beneficial potential of polyherbal formulation in protecting against streptozotocin-nicotinamide-induced cardiomyopathy through Nrf2-regulated	Free Radical Biology and Medicine	2018; 128, S21-S46	<b>7.1</b>

		anti-inflammation, anti-oxidant and anti-fibrosis in C57BL/6J mice			
38	<b>V. V. Sathibabu Uddandrao</b> et al	Ameliorative Potential of Biochanin-A against Dexamethasone Induced Hypertension through Modulation of Relative mRNA and Protein Expressions in Experimental Rats	Advancements in Cardiovascular Research and Therapeutics: Molecular and Nutraceutical Perspectives [Chapter 8]	Doi: 10.2174/9789815050837122010011 [Pp. 156-170]	-
39	Pallavi Saxena, <b>V. V. Sathibabu Uddandrao</b> and Umesh Kumar et al	Cardiovascular Diseases and Nutraceuticals: Underlying Mechanism and Therapeutic Biomarkers	Advancements in Cardiovascular Research and Therapeutics: Molecular and Nutraceutical Perspectives [Chapter 1]	Doi: 10.2174/9789815050837122010004 PP. 1-24	-
40	<b>V V Sathibabu Uddandrao</b> , Brahmanaidu, Saravanan	Therapeutical perspectives of S-allylcysteine: effect on diabetes and other disorders in animal models	Cardiovascular & Hematological Agents in Medicinal Chemistry	2017; 15: 71-77	-
41	<b>V. V. Sathibabu Uddandrao</b> , Brahmanaidu, Vadivukkarasi, Shabana, Saravanan G	Anticancer activity of pomegranate extract: effect on hematological and antioxidant profile against ehrlich-ascites-carcinoma in Swiss albino mice	Oriental Pharmacy and Experimental Medicine	2019, 19, 243–250	<b>1.8</b>

42	<b>V V Sathibabu Uddand Rao,</b> Brahmanaidu, Meriga, Saravanan	The potential role of S-allylcysteine as antioxidant against various disorders in animal models	Oxidants and Antioxidants in Medical Science	2016, 5(3):79-86	-
43	Kalaivani#, Vadivukkarasi#, <b>V. V. Sathibabu Uddand Rao#</b> and G. Saravanan <b>#Equally contributed</b>	Attenuation of Obesity-Associated Oxidative Stress by <i>Cucurbita maxima</i> Seed Oil in High Fat Diet-Induced Obese Rats	Pathophysiology of Obesity-Induced Health Complications	Chapter: 18, Pg: 305-316 ISBN: 978-3-030-35357-5	-
44	Swapna#, <b>V. V. Sathibabu Uddand Rao#</b> , Saravanan et al., <b>#Equally contributed</b>	Effects of Asiatic acid, an active constituent in <i>Centella asiatica</i> (L.): Restorative perspectives of Streptozotocin-Nicotinamide induced Changes on Lipid Profile and Lipid Metabolic Enzymes in Diabetic Rats	Comparative Clinical Pathology	2019; 28, 1321–1329	-
45	S. Balakrishnan, <b>V. V. Sathibabu Uddand Rao</b> et al.,	Ameliorative potential of Saudi Arabian date fruit ( <i>Phoenix dactylifera</i> L.) varieties against Freund's complete adjuvant induced arthritis in rats	Advances in Traditional Medicine	2020; 20, 291–301	<b>1.8</b>
46	K. Pavithra, <b>V. V. Sathibabu Uddand Rao</b> et al.,	Identification of bioactive factors from <i>Abrus precatorius</i> by GC–MS, NMR and evaluation of its antioxidant activity	Materials Today: Proceedings	2020; 26(4), 3518-3521	-
47	Rajalakshmi, <b>V. V. Sathibabu Uddand Rao</b> et al.,	Bio-modification of Cotton and Micro-denier Polyester with Sericin to Develop Potent Antibacterial and Antifungal Textile Products.	Journal of the Institution of Engineers (India): Series E	2018, 99 (2) 119-127	-
48	Nivedha P, <b>V. V. Sathibabu Uddand Rao</b> et al.,	An Endeavour to Formulate Carrot juice Incorporated Buffalo Milk Paneer as Better Nutritional Source; Organoleptic and Nutritional Evaluation	Indian Journal of Dairy Science	2018, 71(2):1-5	-

49	Nivedha P, <b>V. V. Sathibabu Uddandrao</b> et al.,	Supplementation of Carrot Incorporated Paneer Attenuates Diabetes through its Antioxidant Potential in Streptozotocin- Nicotinamide-Induced Diabetic Rats.	INNOSC Theranostics and Pharmacological Sciences	2018; 1 (1) 1-4	-
50	Pavithra, <b>V. V. Sathibabu Uddandrao</b> et al.,	Therapeutic potentiality of <i>Kedrostis foetidissima</i> (Jacq.) Cogn., leaf extracts on free radicals induced oxidative damage in the biological system	Oxidants and Antioxidants in Medical Science	2017; 6(1): 14-18	-
51	<b>V V Sathibabu Uddandrao</b> , G Saravanan.	Ameliorative potential of <i>Cucurbita maxima</i> seed oil against high fat diet-Streptozotocin induced Type 2 diabetes in rats	Wide Spectrum	2018, 6 (7), 5-15	-
52	<b>V. V. Sathibabu Uddandrao</b> , G. Saravanan, et al.,	Protective Efficacy of <i>Datura metel</i> & <i>Anacardium occidentale</i> Methanolic Extracts on Free Radical Induced DNA Damage <i>in vitro</i> .	International Journal of Medicobiological Research	2016, 1 (8), 423-430	-

### 10.3. Conference Proceedings with ISBN

S. No	Authors Name	Title of the Paper	Journal/Proceedings with ISBN
1	<b>V. V. Sathibabu Uddandrao</b> , P. Brahmanaidu and Ganapathy Saravanan	Attenuation of Diabetic nephropathy by S-Allylcysteine through its antioxidant efficacy in Streptozotocin-Nicotinamide induced diabetic rats.	Proceedings of Life Science: Research, Practices and Applications for Sustainable Development. 2018, ISBN: 938700007-9
2	<b>V. V. Sathibabu Uddandrao</b> , Ganapathy Saravanan, Brahmanaidu.	Renoprotective capability of S-Allylcysteine against Streptozotocin Nicotinamide induced Diabetic Nephropathy in Rats.	Proceedings of International Conference on "Herbal and Natural Components as the Future of Pharmacology" 2017, ISBN: 978-93-84234-04-1.

3	<b>V. V. Sathibabu Uddandrao</b> and Ganapathy Saravanan.	Pharmacological evaluation of S- Allylcysteine, a garlic component for hypoglycemic activity and its effect on hepatic enzymes of glucose metabolism in STZ-NAD induced diabetic rats.	Proceedings of ICMR Sponsored National Conference on Challenging Issues and Technological Approaches in Medicine-CITAM 2016, ISBN No: 81-8446-755-9.
4	Ramesh Reddy, <b>V. V. Sathibabu Uddandrao</b> , Parim Brahmanaidu and Saravanan.	Ameliorative Potentiality of Asiatic acid against the High Fat Diet induced Obesity in Sprague dawley Rats.	“Herbal and Natural Components as the Future of Pharmacology”, 2017, ISBN: 978-93-84234-04-1.
5	Nivedha, <b>V. V. Sathibabu Uddandrao</b> , et al	Evaluation of Sensory and Nutritional values of Carrot juice Incorporated Cow Milk Paneer.	“Herbal and Natural Components as the Future of Pharmacology”, 2017, ISBN: 978-93-84234-04-1.
6	Swapna, <b>V. V. Sathibabu Uddandrao</b> , P. Brahmanaidu and Saravanan.	Attenuation of Hyperglycaemia through Asiatic acid in High Fat Diet induced Obese Rats.	“Herbal and Natural Components as the Future of Pharmacology”, 2017, ISBN: 978-93-84234-04-1.
7	Kalaivani, <b>V. V. Sathibabu Uddandrao</b> , Saravanan and Vadivukkarsi.	Extraction of Oil from <i>Cucurbita maxima</i> seeds and Evaluation of its Anti Obesity potentiality in High Fat Diet induced Obese Rats.	“Herbal and Natural Components as the Future of Pharmacology”, 2017, ISBN: 978-93-84234-04-1.
8	Jansy Isabella Rani, Nivedha, <b>V. V. Sathibabu Uddandrao</b> , Saravanan and Vadivukkarasi	Evaluation of Anti-obesity activity of Biochanin A against high-fat diet (HFD)-induced obesity in rats	CSIR Sponsored National Conference on “Translating the Science of Nutrition into Art of Healthy Living, 2019, ISBN: 978-93-5346-732-6

9	Sangeethadevi, Nivedha, <b>V. V. Sathibabu Uddandrao</b> , Saravanan and Vadivukkarasi	Evaluation of Cardioprotective activity of Biochanin-A against isoproterenol- induced myocardial infarction in rats	CSIR Sponsored National Conference on “Translating the Science of Nutrition into Art of Healthy Living (TSNAHL)”, 2019, ISBN: 978-93-5346-732-6
10	Nivedha, <b>V. V. Sathibabu Uddandrao</b> , Saravanan, Brahmanaidu, Vadivukkarasi	Anti-diabetic potential of Cucurbita maxima seed oil by enhancing the antioxidant status in streptozotocin-nicotinamide induced Diabetic Rats	CSIR Sponsored National Conference on “Translating the Science of Nutrition into Art of Healthy Living (TSNAHL)”, 2019, ISBN: 978-93-5346-732-6

#### 10.4. List of books/chapters in books published

S. No	Author (s) / Editors (s)	Book/Chapter	Title of the Book/ Chapter	Publishers with ISBN/ ISSN	Year
1	<b>V. V. Sathibabu Uddandrao</b> [Principal Editor], G. Saravanan	Therapeutic Plants: Recent Advances in the use of Herbs as Alternative Medications [Book]	Therapeutic Plants: Recent Advances in the use of Herbs as Alternative Medications [Book]	Bentham Books [Accepted for Publication]	2024
2	<b>V. V. Sathibabu Uddandrao</b> et al.,	Natural products and their Bioactive Compounds for the Prevention and Treatment of Diabetes mellitus: a Systematic Review	Therapeutic Plants: Recent Advances in the use of Herbs as Alternative Medications	Bentham Books [Accepted for Publication]	2024
3	P. Chandrasekaran and <b>V. V. Sathibabu Uddandrao</b> et al.,	A Comprehensive Review on Molecular Targets and Therapeutic Potential of Phytomedicine for the Treatment of Breast Cancer	Therapeutic Plants: Recent Advances in the use of Herbs as Alternative Medications	Bentham Books [Accepted for Publication]	2024

4	<b>V. V. Sathibabu Uddandrao</b> [Principal Editor], P. Brahmanaidu	Advancements in Cardiovascular Research and Therapeutics: Molecular and Nutraceutical Perspectives [Book]	Advancements in Cardiovascular Research and Therapeutics: Molecular and Nutraceutical Perspectives	Bentham Books, <b>ISBN:</b> 978-981-5050-84-4 (Print), <b>ISBN:</b> 978-981-5050-83-7 (Online), <b>DOI:</b> 10.2174/97898150508371220101	2022
5	<b>V. V. Sathibabu Uddandrao,</b> et al.,	Ameliorative Potential of Biochanin-A against Dexamethasone Induced Hypertension through Modulation of Relative mRNA and Protein Expressions in Experimental Rats	Advancements in Cardiovascular Research and Therapeutics: Molecular and Nutraceutical Perspectives	Bentham Books, <b>ISBN:</b> 978-981-5050-84-4 (Print), <b>ISBN:</b> 978-981-5050-83-7 (Online), Doi: 10.2174/9789815050837122010011	2022
6	Pallavi Saxena, .... <b>V. V. Sathibabu Uddandrao</b> and Umesh Kumar et al	Cardiovascular Diseases and Nutraceuticals: Underlying Mechanism and Therapeutic Biomarkers	Advancements in Cardiovascular Research and Therapeutics: Molecular and Nutraceutical Perspectives	Bentham Books, <b>ISBN:</b> 978-981-5050-84-4 (Print), <b>ISBN:</b> 978-981-5050-83-7 (Online), Doi: 10.2174/9789815050837122010004	2022
7	Kalaivani, <b>V. V. Sathibabu Uddandrao</b> <sup>#</sup> and G. Saravanan <b>#Equally Contributed</b>	Attenuation of Obesity-Associated Oxidative Stress by <i>Cucurbita maxima</i> Seed Oil in High Fat Diet-Induced Obese Rats	Pathophysiology of Obesity-Induced Health Complications. Advances in Biochemistry in Health and Disease	Springer, <b>ISSN (Print):</b> 978-3-030-35357-5 <b>ISSN (Online):</b> 978-3-030-35358-2 DOI: <a href="https://doi.org/10.1007/978-3-030-35358-2_18">https://doi.org/10.1007/978-3-030-35358-2_18</a>	2020
8	G. Saravanan, P.R. Nivedha, <b>V. V. Sathibabu Uddandrao</b> and Vadivukkarasi <b>#Equally Contributed</b>	Biodiversity: Management, Threats	Microbial Biodiversity	Cambridge Scholars Publishing, UK <b>ISBN (10):</b> 1-5275-4818-X <b>ISBN (13):</b> 978-1-5275-4818-3	2020

## 11. AWARDS/FELLOWSHIPS

S. No	Award/Fellowship	Institute/Organization	Year
1	ICMR-SRF	Indian Council of Medical Research of Medical Research (ICMR), Government of India	2019
2	Best Academic Researcher	Dr. Abdul Kalam Educational Trust, Chennai, Tamilnadu	2019
3	Young Scientist Award	Asian PGPR Society, Alabama, USA	2024

## 12. AS A RESEARCH GUIDE/MENTOR

S. No	Name of the Student	Programme	Title of the thesis	Status
1	Mr. S. Gokul	Ph.D.,	Metabolic disorders and plant therapy (tentative)	Ongoing
2	Ms. M. Raghini	Ph.D.,	Cardiovascular disorders and phytomedicine (tentative)	Ongoing
3	S. Nivetha	M.Sc.,	Evaluation of Cardioprotective efficacy of a Polyherbal formulation in Preventing Isoproterenol-induced Myocardial Infarction in Animal Model	Ongoing
4	M. Raghini	M.Sc.,	Development of Herbal Amalgamation with Curry leaves, Fenugreek and Lettuce and Evaluation of its Beneficial Potential for the Purification and Disinfectant of Kaveri River Water and Domestic Waste Water	Completed
5	S. Meganathan	M.Sc.,	Evaluation of Potential Down-Regulation Capacity of <i>Musa acuminata</i> Fruit Peel Extract against Streptococcus mutans for the Inhibition of Biofilm Formation to Protect from Dental Caries	Completed
6	G. Gayathri	M.Sc.,	Biological Synthesis of Anthocyanin (Extracted From Fruit Wastes) Based Nano Composites and Developed as A Food Packaging Material - A Novel Approach	Completed



7	M. Pragadeeswaran	M.Sc.,	Anticholinesterase effect of <i>Psophocarpus tetragonolobus</i> : in vitro and in silico analysis	Completed
8	M. Monika	M.Sc.,	Development of a Nutritionally-Rich Biscuit as a Drug Carrier for Therapeutic Agents for the Management of Diabetes Mellitus	Completed
9	K. Vengatesh	M.Sc.,	An Endeavour to Prepare a Poly Herbal Drug to Protect against Urinary Tract Infection causing Microorganisms	Completed
10	S. Jananisowmiya	M.Sc.,	Bio-modification of cotton with Polyherbal extracts to develop Anti-microbial, Anti- allergy and Ultraviolet protection Medical cloth	Completed
11	V. Narmathadevi	M.Sc.,	Development of Natural Mosquito Repellent with Poly Herbal Extract to Combat Mosquito- borne Viral Diseases	Completed
	S. V. Saranyaa	M.Sc.,	Evaluation of Glucose Lowering Activity Of <i>Vitex negundo</i> Leaves: In Vitro And In Silico Analysis	Completed
	S. Poovizhi	M.Sc.,	Evaluation of Larvicidal Activity of <i>Papaver somniferum</i> Seeds (Poppy Seeds) Against <i>Aedes aegypti</i> : In Vitro And In Silico Studies	Completed

### 13. INSTITUTIONAL/DEPARTMENTAL LEVEL ROLES

- 1. Institution level:** Criterion Manager- NAAC Criteria-3 (Research and Innovation Outcomes)
- 2. Institution level:** Member in Committee - NAAC Criteria-3 (Research & Development activities)
- 3. Institution level:** Member in Committee - Research & Development Cell
- 4. Department level:** Co-Ordinator - Research & Development
- 5. Department level:** Member – Board of Studies (BOS)
- 6. Department level:** Co-Ordinator – Student Projects Reviewer Committee

### 14. ACHIEVEMENTS AS A TEACHER

**Achieved 100% results in all the handled subjects till date from the date of joining as faculty in Department of Biochemistry, K.S. Rangasamy College of Arts and Science, Tiruchengode-637215.**

**The subjects are as follows below**

- ☞ DSC VII: Plant Biochemistry – 2023-2024 [Even Semester]
- ☞ Human Physiology – 2023-2024 [Even Semester]
- ☞ Phytochemistry – 2023-2024 [Even Semester]
- ☞ Diagnostic Biochemistry – 2023-2024 [Even Semester]
- ☞ DSC VII: Plant Biochemistry – 2022-2023 [Even Semester]
- ☞ DSC XII: Biochemical Pharmacology – 2022-2023 [Even Semester]
- ☞ DSC IX: Research Methodology, Bioethics and IPR – 2022-2023 [ODD Semester]
- ☞ DSC III: Enzyme Catalysis and Regulation – 2022-2023 [ODD Semester]
- ☞ Pharmaceutical Biochemistry – 2022-2023 [ODD Semester]
- ☞ IDC: Research Methodology, Bioethics and IPR – 2022-2023 [ODD Semester]
- ☞ DSC VII: Plant Biochemistry – 2021-2022 [Even Semester]
- ☞ Professional English for Life science – 2021-2022 [Even Semester]

### 15. FACULTY DEVELOPMENT PROGRAMMES (FDP)/OTHERS

- 1. NPTEL Course: Biochemistry – Mentor to Students** – Course offered by IIT, Madras during January-April, 2023.
- 2. NPTEL – Faculty Development Programme** – Biochemistry – 12 weeks – offered by IIT, Madras during January-April, 2023.

3. Participated in **5 days International Virtual Faculty Development Programme** on “Recent Trends in Biological Science-RTBS-2023” organized by Department of Botany, Seethalakshmi Ramaswami College (Autonomous), Tirucharapalli, Tamilnadu from 16.10.2023 to 20.10.2023.
4. Completed **Certification course** offered by Elsevier Research Academy on “Generative AI in research evaluation (89 minutes)” on 30<sup>th</sup> September, 2023.
5. Completed **Certification course** offered by Elsevier Research Academy on “Introduction to the Certified Peer Reviewer Course (15 minutes)” on 30<sup>th</sup> September, 2023.
6. Completed **Certification course** offered by Elsevier Research Academy on “Thinking numbers in pictures: Data visualization for research articles (54 minutes)” on 29<sup>th</sup> September, 2023.
7. Completed **Certification course** offered by Elsevier Research Academy on “Rejected manuscripts: Next steps and finding the right fit (56 minutes)” on 29<sup>th</sup> September, 2023.
8. Completed **Certification course** offered by Elsevier Research Academy on “Rejected manuscripts: Next steps and finding the right fit (56 minutes)” on 13<sup>th</sup> September, 2023.
9. Participated in **2 days International Faculty Development Programme** on “An Overview on Indian Knowledge System and Intellectual Property Rights” organized by Sri Sarada College for Women (Autonomous), Salem, Tamilnadu from 19.12.2022 to 20.12.2022.
10. Participated in **5 days National Level Faculty Development Programme** on “Advancing Towards Sustainable Teaching and Learning Pedagogy” organized by Kongu Arts and Science College (Autonomous), Erode, Tamilnadu from 02.08.2021 to 06.08.2021.
11. Participated in **5 days Faculty Enrichment Programme** on “Cutting Edge Science in Cellular and Molecular Biomedicine” organized by Amity Institute of Molecular Medicine and Stem Cell Research, Amity university, Noida, Uttar Pradesh from 27.07.2021 to 31.07.2021.
12. Participated in **6 days International Faculty Development Programme (Virtual)** on “Recent Trends in Transforming Life sciences – Focus on Academia & Industry Symbiosis” organized by Nizam College (Autonomous), Osmania University, Hyderabad from 13.09.2021 to 18.09.2021.

## 16. PRESENTED/ATTENDED IN NATIONAL AND INTERNATIONAL CONFERENCE

1. Participated in CSIR-sponsored national level workshop on “IPR and IP management for Startups”, organized by Department of Physics, K.S. Rangasamy College of Arts and Science (Autonomous), Tiruchengode, Tamil Nadu from 26<sup>th</sup> September 2024 to 27<sup>th</sup> September 2024.

2. Presented Paper entitled “Phytoformulation with hydroxycitric acid and capsaicin protects from obesity-associated cardiovascular and male reproductive disorders by attenuating lipid metabolic abnormalities, oxidative stress, apoptosis and inflammation” at DST-SERB and TNSCST sponsored 9<sup>th</sup> Asian PGPR National Conference held at Bharathiar University, Coimbatore on 29.07.2024 & 30.07.2024.
3. Presented a paper entitled “The Internet of Medical Things (IoMT), a cyber training framework in diagnostic field - a review” in NAAC Sponsored National Seminar on “Perspectives of Outcome Based Education (OBE) and NAAC Accreditation” held at K.S. Rangasamy College of Arts and Science (Autonomous), Tiruchengode, Tamilnadu during 24.01.2023 to 25.01.2023.
4. Presented a paper entitled “Role of Nutraceuticals in the management of metabolic disorders” in 6<sup>th</sup> International Conference on Recent Advances in Material Chemistry (ICRAMC-2022) held at SRM Institute of Science and Technology, Chennai, Tamilnadu and Universite Gustave Eiffel, France during 17-19, February, 2022.
5. Presented a paper entitled “Polyherbal formulation made with Piper nigrum, Terminalia paniculata and Bahunia purpuria attenuated diabetic cardiomyopathy via restoring indigenous antioxidant system” in International Conference on “Biotechnological Effective Approach in Science and technology” held at K.S. Rangasamy College of Arts and Science (Autonomous), Tiruchengode, Tamilnadu during 07.04.2022 to 08.04.2022.
6. Participated in International Conference on Advances and Challenges in Life Science Research held at VELS Institute of Science, Technology & Advanced Studies, Chennai, Tamilnadu during 12.04.2022 to 13.04.2022.
7. Participated in International Webinar on Workotopia-2022 held at K.S. Rangasamy College of Arts and Science (Autonomous), Tiruchengode, Tamilnadu during 07.03.2022 to 12.03.2022.
8. Participated in the 5-Day Faculty Enrichment Programme (FEP) on “Cutting Edge Science in Cellular and Molecular Biomedicine” held from 27th to 31st July 2021, organized by Amity Institute of Molecular Medicine and Stem Cell Research, Amity University Uttar Pradesh, Noida, India.
9. Participated in Webinar on “KNOCKDOWN THE LOCKDOWN” EXPERT TALK SERIES - I” organized by Department of Biotechnology, K.S. Rangasamy College of technology, Tiruchengode, Tamilnadu on 13<sup>th</sup> May 2020 to 15<sup>th</sup> May 2020.
10. Participated in the **Indo-UK Virtual Conference** on 'Current Innovation & the Future of Therapeutic Developments' CIFTD-2020, Organized by Centre for Biomaterials Cellular & Molecular Theranostics (CBCMT) at Vellore Institute of Technology (VIT), Vellore, India and Swansea University, United Kingdom during 1<sup>st</sup> June 2020 to 3<sup>rd</sup> June, 2020.
11. Presented a paper on “An endeavour to prepare a poly herbal formulation with three herbs and evaluation of its antioxidant activity” in “Biomillennium 2020” international conference on A special focus on Translational Biomedicine Research for Metabolic Diseases, Organized by Biological Sciences Departments, Vivekanandha College of Pharmacy and College of Arts and Science for Women, Sponsored by TNSCST, on 03.03.2020 & 04.03.2020.
12. Participated in National Technical Workshop on “IPR” held at Sengunthar Arts and Science College, Tiruchengode, Tamilnadu during 04.02.2020 to 05.02.2020.

13. Presented a paper on "Evaluation of Cardioprotective activity of Biochanin-A against isoproterenol- induced myocardial infarction in rats" in CSIR Sponsored - National Conference on "Translating the Science of Nutrition into Art of Healthy Living" (TSNAHL), Centre for Biological Sciences, K.S. Rangasamy College of Arts and Science (Autonomous), Tiruchengode-637215 Namakkal District Tamilnadu, 30.01.2019 to 31.01.2019.
14. Participated in DBT STAR COLLEGE SCHEME "One day National Level Workshop on Intellectual Property Rights & Innovations" Organized by Department of Microbiology, Muthyammal College of Arts and Science, Rasipuram, Tamilnadu on 24.08.2019.
15. Participated in National Conference on "Emerging Trends in Non-Communicable Diseases: Road to Prevention and Cure", School of Biosciences, IMS Ghaziabad, University Courses Campus, Uttar Pradesh-201009, 17.11.2018.
16. Presented a papers on "S-Allylcysteine as potential antioxidant to combat the various disorders in animal models", National Conference on "Recent Advancements in Biomedical Techniques: Impact on Clinical Diagnosis", K.S. Rangasamy College of Arts and Science (Autonomous), Tiruchengode, Namakkal District, Tamilnadu-637215, 01.03.2018.
17. Presented a papers on "Ameliorative Potential of *Cucurbita maxima* seed oil against high fat diet-streptozotocin induced diabetes in rats", National Level Seminar on "Molecular Markers in Genetic Disorders with Special Reference to Diabetes" Dr. G.R. Damodaran College of Science (Autonomous), Coimbatore, Tamilnadu, 05.01.2018 to 06.01.2018.
18. Presented a papers on "Attenuation of Diabetic nephropathy by S-Allylcysteine through its antioxidant efficacy in Streptozotocin-Nicotinamide induced diabetic rats", 10th NABS National Conference on "Recent Trends in Life Sciences: Research, Practices and Application for Sustainable Development" Department of Botany and Zoology, Bharathiar University, Coimbatore, Tamilnadu, 07.09.2017 to 08.09.2017.
19. Presented a papers on "Evaluation of Anti-helmintic capability of *Tabernaemontana divaricata* against earth worms as model for human stomache worms", One day National Seminar on "Recent Advances in Biological Sciences" Department of Biochemistry and Microbiology, Sourashtra College, Madurai, Tamilnadu, 22.09.2017.
20. Presented a papers on "Renoprotective capability of S-Allylcysteine against Streptozotocin-Nicotinamide induced Diabetic Nephropathy in Rats", International Conference on "Herbal and Natural Components as the Future of Pharmacology" Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore-641043, 27.02.2017 to 01.03.2017.
21. Presented a papers on "Antinephrotic potentiality of S-Allylcysteine in STZ-NAD induced diabetic nephropathy in rats", ICMR Sponsored National Conference on "Novel Technologies on Natural Products for Mosquito and Disease Control" Department of Biochemistry, K. S. Rangasamy College of Arts and Science, Tiruchengode-637215 Tamilnadu, 23.02.2017 to 24.02.2017.
22. Participated in "National level workshop on "Research and Data Analysis using SPSS & Open Source Software", Department of Library & Information Centre & Department of Business Administration (PG) K. S. Rangasamy College of Arts and Science, Tiruchengode-637215 Tamilnadu & Society for the Advancement of Library and Information Sciences (SALIS), Erode Chapter, 16.03.2017 to 17.03.2017.

23. Participated in “Training programme on URKUND: Plagiarism detection software for research scholars”, University Central Library, Periyar University, Salem-636011, 24.07.2017.
24. Presented a paper entitled “Attenuation of hypercholesterolemia through influencing lecithin cholesterol acyltransferase and lipo protein lipase activities by Asiatic acid in Streptozotocin-Nicotinamide induced diabetic rats” in Euro-Indian International Conference on Experimental and Clinical Medicine (ICECM-2017) held at Mahatma Gandhi University, Kottayam, Kerala on 10 to 12 November, 2017.
25. Paper presented in International Conference on “Herbal and Natural components as future of the pharmacology and 7<sup>th</sup> annual meet of the national society of ethanopharmacology” held at Avinashilingam University, Coimbatore, Taminadu and paper entitled “Renoprotective capability of S-Allylcysteine against Streptozotocin-Nicotinamide induced diabetic nephropathic rats” on 27 Feb to 1 march, 2017.
26. Paper presented in “104<sup>th</sup> Indian Science Congress” entitled “Beneficial potentiality of S-Allylcysteine against Streptozotocin-Nicotinamide induced diabetic rats” in the section of New biology held on S. V. University, Tirupathi, Andhrapradesh on 3 to 7 January, 2017.
27. Participated in National Level workshop on “Applications of Statistical methods in Biological Research” at K.S. Rangasamy College of arts and science, Tiruchengode, Tamilnadu on 8 & 9 September, 2016.
28. Participated in National level workshop on “Entering the Life Science research arena through big data” at at K.S. Rangasamy College of arts and science, Tiruchengode, Tamilnadu on 23 & 24 August, 2016.
29. Participated in National level seminar on “Animal welfare and alternatives to experimentation in biomedical research” at National Centre for Laboratory animal sciences (NCLAS), National Institute of Nutrition (NIN), Hyderabad on 24<sup>th</sup> April, 2016.
30. Presented a paper on National level seminar on “Modeling the Neural structure of Human brain using machine learning” at K.S. Rangasamy College of arts and science, Tiruchengode, Tamilnadu on 17 & 18<sup>th</sup> February, 2016.
31. Participated on National levels Workshop on “Recent trends in Nano Biotechnology” Sponsored by INSA, New Delhi, at K.S. Rangasamy College of technology, Tiruchengode, Tamilnadu on 25<sup>th</sup> Jan 2016 to 27<sup>th</sup> Jan 2016.
32. Presented poster and **Got Best Poster Award** at ICMR sponsored National conference on Challenging Issues and Technological Approaches in Medicine (CITAM-2016), entitled “Pharmacological evaluation of S- Allylcysteine, a garlic component for hypoglycaemic activity and its effect on hepatic enzymes of glucose metabolism in STZ-NAD induced diabetic rats” Avinashilingam University, Coimbatore, Tamilnadu.
33. Presented poster at UGC Sponsored National conference on New horizon of Nanotechnology in Bioscience-2016 (NHNBS-2016), entitled “Pharmacological evaluation of S- Allylcysteine and aged garlic on hepatic enzymes of glucose metabolism in diabetic rats”, Department of Biochemistry, Periyar University, Salem, Tamilnadu.

34. Trained on “**Animal Handling**” in National Centre for Laboratory Animal Sciences (NCLAS), National Institute of Nutrition (NIN), Hyderabad, Andhrapradesh, India during 10<sup>th</sup> November, 2014 - 21<sup>st</sup> November, 2014.
35. Participated in the National level seminar on “Nutrition and Agriculture – The connect and the disconnect”, 47th Annual National conference of Nutrition society of India, National Institute of Nutrition, Hyderabad, on 9-10 October 2015.
36. Participated in the workshop on “Advanced Molecular Techniques” organized by the Department of Biotechnology and Biochemistry & Helini Biomolecules, Chennai at K.S.R. College of Arts and Science, Tiruchengode, India
37. Participated in the workshop on “Advanced Tools and Databases in Bioinformatics” organized by Department of Biochemistry and Bioinformatics at K.S.R. College of Arts and Science, Tiruchengode, India.
38. Presented Poster on “Industry academia synergy to enhance food security through processing and value addition” organized by Indian Institute of Crop Processing Technology, Thanjavur, India.

## 17. AS A RESOURCE PERSON/OTHERS

1. **Resource Person:** Acted as a resource person for Seven Days Virtual Faculty Development Programme on “NAAC ACCREDITATION FRAMEWORK AND DOCUMENTATION” held at KSR College of Education, Tiruchengode, Tamilnadu from 14.12.2023 to 21.12.2023.
2. **Resource Person:** Acted as a resource person for one day Skill Development Programme on “Research Writing: A Holistic Approach”, during National Library Week Celebrations – 2023 organized by the Nectar Library & NDLI Club, Society for the Advancement of Library and Information Science (SALIS) held at K.S. Rangasamy College of arts and science, Tiruchengode, Tamilnadu on 15.11.2023.
3. **Rapporteur of the Technical Session:** Acted as a Rapporteur of the Technical Session in the "International Symposium on Fostering Skill Development in the Biotech Industry: A Path to Success" held from 12<sup>th</sup> to 14<sup>th</sup> October 2023, Sponsored by the **Department of Biotechnology (DBT CTEP), Government of India**, and organized by the Department of Biotechnology, Vels Institute of Science, Technology and Advanced Studies, Chennai, in association with **INTI International University, Malaysia**.
4. **University Examination – Paper evaluator:** Serving as a examination paper evaluator for Periyar University, Salem, Tamilnadu, India
5. **University Practical Examiner:** Serving as a practical examiner for Periyar University, Salem, Tamilnadu, India affiliated colleges.

## 18. EVENTS/PROGRAMMES ORGANIZED AS A CONVENER/ORGANIZING SECRETARY

1. **Organizing Secretary:** Organized an International Webinar on “Impact of Endocrine Disrupting Chemicals (EDCs) on Human Health and Ecosystems: Insights from Biochemical and Toxicological Perspectives” on 12<sup>th</sup> September 2024.
2. **Organizing Secretary:** Organized Five-Day “Online Special Lecture Series” for the Faculty Members, Research Scholars, and Students from 06.09.2024 & 09.09.2024 to 12.09.2024.

## 19. MEMBERSHIP IN PROFESSIONAL BODIES/SOCIETIES

1. **Life Member :** Indian Science Congress, Government of India
2. **Life Member :** Asian PGPR Society for Sustainable Agriculture, Alabama, USA & ICRISAT, Hyderabad

## 20. PROFESSIONAL WEBSITES

Google Scholar	: <a href="https://scholar.google.co.in/citations?user=OLj1VtMAAAAJ&amp;hl=en">https://scholar.google.co.in/citations?user=OLj1VtMAAAAJ&amp;hl=en</a>
Research gate	: <a href="https://www.researchgate.net/profile/V_V_Sathibabu_Uddandrao4">https://www.researchgate.net/profile/V_V_Sathibabu_Uddandrao4</a>
ORCID	: <a href="https://orcid.org/0000-0002-1488-2302">https://orcid.org/0000-0002-1488-2302</a>
SCOPUS	: <a href="https://www.scopus.com/authid/detail.uri?authorId=56998676300">https://www.scopus.com/authid/detail.uri?authorId=56998676300</a>
IRINS	: <a href="https://ksrcas.irins.org/profile/204742">https://ksrcas.irins.org/profile/204742</a>

## 21. FUTURE GOALS

My future research portfolio will continue to explore the field of biological sciences. I will contribute the research publication with higher impact factor and patent applications for the development of the Institution. I can contribute my research to individual projects and write significant projects for the Institution's development. I can manage and contribute to the administrative abstract of the project development. I will make a significant contribution to the Institute for Research and Development.

Through my teaching, I strive to provide students with the skills and experience to be independent learners once they have graduated. My ultimate goal is to be a teacher who provides students with experiential learning that is transformative to their worldviews. I want to be the educator that inspires students to become teachers themselves.



Dr. V. V. Sathibabu Uddandrao