

Faculty Profile

Dr. V. MANJU M.Sc., M.Phil., Ph.D.

Present Position	Assistant professor Department of Biochemistry Periyar University Salem – 636011, Tamilnadu, India 91-0427-2345766 Ext 249 & 250 vaisell@gmail.com .
Experience	Teaching - 8Years Research – 8 Years
Research interest	Cancer biology, Clinical biochemistry
Student advised	M.Phil. and Ph.D.

Research Publications

S.No	Journal	Highest Impact factor*	Numbers published	Total Impact factor
1	Indian Journal of Pharmacology	0.58	1	0.58
2	International Research Journal of Pharmacy	0.52	1	0.52
3	Journal of biochemical technology	0.94	3	2.82
4	Cell biochemistry & Function	1.85	1	1.85
5	Toxicology Mechanisms and Methods	1.37	1	1.37

6	European Journal of Cancer Prevention	2.97	1	2.97
7	Journal of Medicinal food	1.64	1	1.64
8	Clinica Chemica Acta	2.67	2	5.34
9	Cellular & Molecular Biology letter	1.95	1	1.95
10	Italian Journal of Biochemistry	1.19	1	1.19
11	Polish Journal of Pharmacology	1.97	1	1.97
12	Human and Experimental Toxicology	1.45	1	1.45
13	Clinical Biochemistry	2.36	1	2.36
14	Journal of Biochemistry, Molecular Biology and Biophysics	2.59	1	2.59
15	Biomedicine and Aging Pathology	0.34	2	0.68
16	Biomedicine & Preventive Nutrition	0.73	3	2.19
				31.47

List of Publications (In Press/Accepted/Published)

1. Karthi N and **Manju V.** Synergistic effects of selected anticancer drugs with vitamin-E against HT-29 human adenocarcinoma cell lines. **Indian Journal of Research in Pharmacy and biotechnology.** 2014:2(1); 11.

2. Nadanasabapathy S and **Manju V.** Molecular docking and bioavailability studies of caffeine and caffeic acid compounds with regulated proteins. **Journal of biology and Scientific innovation.** (In press)
3. Ragunath M and **Manju V.** Synergistic and individual effects of Umbelliferone with 5-flurouracil on Tumor Markers and Antioxidant status of rat treated with 1, 2-dimethylhydrazine. **Biomedicine and Aging Pathology.** 2013: 3(4); 219-227. **IF: 0.34.**
4. Nadanasabapathy S, Rufia Sherin Mary J and **Manju V.** *In vitro* free radical scavenging activity and bioavailability of dietary compounds caffeine, caffeic acid and their combination. **International Food Research Journal.** 2013:20(6); 3159-3165.
5. Revathi R and **Manju V.** Effects of Umbelliferone on lipid peroxidation and antioxidant status in diethylnitrosamine induced hepatocellular carcinoma. **Journal of Acute Medicine.** 2013: 3(3); 73-82.
6. Prabu T and **Manju V.** Antiproliferative and apoptotic effects of naringin on diethylnitrosamine induced hepatocellular carcinoma in rats. **Biomedicine and Aging Pathology.** 2013: 3(2); 59-64. **IF: 0.34.**
7. Murugesan M and **Manju V.** Luteolin promotes mitochondrial protection during acute and chronic periods of isoproterenol induced myocardial infarction in rats. **The Egyptian Heart Journal.** 2013: 65(4); 319-327.
8. Murugesan M and **Manju V.** Luteolin a dietary flavonoid attenuates isoproterenol-induced myocardial oxidative stress in rat myocardium: An *in vivo* study. **Biomedicine & Preventive Nutrition.** 2013: 159-164. **IF: 0.73.**

9. Rangunath M, Prabu T, Nadanasabapathy S, Revathi R and **Manju V**. Synergistic and individual effects of Umbelliferone with 5-fluorouracil on the status of lipid peroxidation and antioxidant defense against 1, 2-dimethylhydrazine induced rat colon carcinogenesis. **Biomedicine and Preventive Nutrition**. 2013: 74-82. **IF: 0.73**.
10. Prabu T, Rangunath M and **Manju V**. Antioxidant potential of naringin – a dietary flavonoid – in N-Nitrosodiethylamine induced rat liver carcinogenesis. **Biomedicine and Preventive Nutrition**. 2012; 2(3): 193-202. **IF: 0.73**.
11. Murugesan M, Rangunath M, Prabu T, Nadanasabapathy S, Sakthivel M and **Manju V**. Protective role of black cumin (*Nigella sativa*) on isoproterenol induced myocardial infarction in rats. **International journal of pharmacology and clinical sciences**. 2012; 1: 45-53.
12. Murugesan M and **Manju V**. Effect of luteolin on lipid peroxidation and antioxidants in acute and chronic periods of isoproterenol induced myocardial infarction in rats. **Journal of acute medicine**. 2012; 2(3): 70-76.
13. Murugesan M, Rangunath M, Nadanasabapathy S, Revathi R and **Manju V**. Protective role of fenugreek on isoproterenol induced myocardial infarction in rats. **International Research Journal of Pharmacy**. 2012; 3(2): 211-216.
14. Revathi R, Murugesan M and **Manju V**. Protection against azaserine induced pancreatic cancer rats by Phyllanthus amarus: a preliminary study. **Journal of biochemical technology**. 2012; 3(4): 331-335. **IF: 0.94**.
15. Murugesan M, Revathi R and **Manju V**. Cardioprotective effect of fenugreek on isoproterenol induced myocardial infarction in

rats. **Indian Journal of Pharmacology**. 2011; 43(5): 516-519.
IF: 0.58.

16. Ragunath M, Murugesan M, Sakthivel M and **Manju V**. Cardioprotective effect of black cumin on isoproterenol- induced myocardial infarction in rats. **Journal of Pharmacy Research**. 2011; 4(7): 2040-2044.
17. **Manju V**, Revathi R and Murugesan M. *In vitro* Antioxidant, Antimicrobial, Anti-inflammatory, Anthelmintic Activity and phytochemical Analysis of Indian Medicinal Spices. **Research Journal of Pharmacy and Technology**. 2011; 4(4): 596-599.
18. **Manju V** and Nalini N. Effect of ginger on lipid peroxidation and antioxidant status in 1, 2-dimethylhydrazine induced experimental colon carcinogenesis. **Journal of Biochemical Technology**. 2010; 2(2): 5161-5167. **IF: 0.94.**
19. **Manju V** and Nalini N. Effect of luteolin on glycoproteins metabolism in 1, 2-dimethylhydrazine induced experimental colon carcinogenesis. **Journal of Biochemical Technology**. 2009; 1(2): 57-61. **IF: 0.94.**
20. **Manju V** and Nalini N. Protective role of luteolin in 1, 2-dimethylhydrazine induced experimental colon carcinogenesis. **Cell biochemistry & Function**. 2007; 25(2): 189-194. **IF: 1.85.**
21. **Manju V**, Viswanathan P and Nalini N. Hypolipidemic effect of ginger in 1,2-dimethyl hydrazine-induced experimental colon carcinogenesis. **Toxicology Mechanisms and Methods**. 2006; 16(8): 461-472. **IF: 1.37.**
22. **Manju V** and Nalini N. Effect of ginger on bacterial enzymes in 1, 2-dimethyl hydrazine induced experimental colon

carcinogenesis. **European Journal of Cancer Prevention.** 2006: 15(5): 377-383. **IF: 2.97.**

- 23.** Nalini N, **Manju V** and Menon VP. Effect of spices on lipid metabolism in 1, 2-dimethylhydrazine induced rat colon carcinogenesis. **Journal of Medicinal food.** 2006: 9(2): 237-245. **IF: 1.64.**
- 24.** **Manju V** and Nalini N. Chemopreventive efficacy of ginger, a naturally occurring anticarcinogen during the initiation, post-initiation stages of 1,2-dimethyl hydrazine-induced colon cancer. **Clinica Chimica Acta.** 2005: 358 (1-2): 60-67. **IF: 2.67.**
- 25.** **Manju V**, Balasubramaniyan V and Nalini N. Rat colonic lipid peroxidation and antioxidant status: The effect of dietary luteolin on 1, 2-dimethyl hydrazine challenge. **Cellular & Molecular Biology letters.** 2005: 10(3): 535-551. **IF: 1.95.**
- 26.** **Manju V** and Nalini N. Chemopreventive potential of luteolin during colon carcinogenesis by 1, 2-dimethyl hydrazine. **Italian Journal of Biochemistry.** 2005: 54(3-4): 268-275. **IF: 1.19**
- 27.** Nalini N, **Manju V** and Menon VP. Effect of coconut cake on the bacterial enzyme activity in 1, 2-dimethyl hydrazine induced colon cancer. **Clinica Chimica Acta.** 2004: 342(1-2): 203-210. **IF: 2.67.**
- 28.** Kalaivani S and **Manju V**, Nalini N. Lipid profile in mice fed a high-fat diet after exogenous leptin administration. **Polish Journal of Pharmacology.** 2003: 55(5): 763-769. **IF: 1.96.**
- 29.** Balasubramaniyan V and **Manju V**, Nalini N. Effect of leptin administration on plasma and tissue lipids in alcohol induced

liver injury. **Human and Experimental Toxicology**. 2003: 22(3): 149-154. **IF: 1.45**.

30. Manju V, Kalaivani S and Nalini N. Circulating lipid peroxidation and antioxidant status in cervical cancer patients: a case-control study. **Clinical Biochemistry**. 2002: 35(8): 621-625. **IF: 2.36**.

31. Manju V, Balasubramanian V and Nalini N. Oxidative stress and tumor markers in cervical cancer patients. **Journal of Biochemistry, Molecular Biology and Biophysics**. 2002: 6(6): 387-390. **IF: 2.59**.

Total Impact factor: **31.47**

H-Index: **11**

International & National Seminars/Conferences Attended

1. National Symposium on Carbohydrates in Human Health. Periyar University, Periyar Palkalainagar, Salem, Tamilnadu, 24th January 2014.
2. National seminar on “current zoology”. Periyar University, Periyar Palkalainagar, Salem, Tamilnadu, 21th January 2014.
3. National level seminar on “Current Trends in Biodiversity Conservation and Forest Management (**CTBCFM**)”. Periyar University, Periyar Palkalainagar, Salem, Tamilnadu, 6th and 7th January 2014.
4. Seminar on Trends in Protein Engineering. Periyar University, Periyar Palkalainagar, Salem, Tamilnadu, 21th November 2013.
5. National conference on implications and interventions of phytomedicine in disease management (**IIPDM-2013**) Periyar University, Periyar Palkalainagar, Salem, Tamilnadu, 18th & 19th February 2013.
6. National seminar on Biotechnical Intervention in Plant and Microbial Interaction for Crop Sustainability (**BPMCS-2013**)

Periyar University, Periyar Palkalainagar, Salem, Tamilnadu, 30th & 31st January 2013.

7. National conference on Food Processing and Technology for Health Progression (**NCFPTH-2013**) Periyar University, Periyar Palkalainagar, Salem, Tamilnadu, 9th & 10st January 2013.
8. International conference on recent trends in atherosclerosis and 25th Annual meeting of **ISAR**, Annamalai University, Annamalainagar, 1st & 3rd Sep 2012.
9. UGC sponsored national seminar on Current status and future prospectus of plants therapeutics and phyto medicine (**PTPM 2012**), Periyar University, Periyar Palkalainagar, Salem, Tamilnadu, 13th & 14th February 2012.
10. International workshop on Advanced Food Analytical Techniques, Periyar University, Periyar Palkalainagar, Salem, Tamilnadu, January 2012.
11. National seminar on Enzymes and Biocatalysis. The Versatile Actors: Current trends and future prospective (**NSEB 2012**), Periyar University, Periyar Palkalainagar, Salem, Tamilnadu, 5th & 6th January 2012.
12. International Symposium on function foods and health, Periyar University, Periyar Palkalainagar, Salem, Tamilnadu, 20th November 2011.
13. National conference on Biopharmaceuticals and Healthcare, Sri M. Visvesvaraya Institute of Technology, Bangalore, 4th & 5th November 2011.
14. A seminar on “Emerging Trends in Biotechnological Approaches for Infectious Disease Management, Department of Biotechnology, Periyar University, Salem-11. November 2010.
15. International conference on Antioxidants Free radicals in health –Nutrition. Radioprotectors and IV Annual conference of the Society for free radical Research in India (**SFRR**), Bangalore, Karnataka and January 2005.
16. UGC sponsored National Conference on Natural Products, in Health, Annamalainagar, Tamilnadu and February 2005.

17. SFRR International Conference on Natural Products, Free Radicals and Radio protective in Health, Annamalainagar Chapter, January 2004.
18. XIV Annual Scientific Meet of Society of Biological chemists (India) Annamalainagar Chapter, February 2004.
19. XIII Annual Scientific Meet of Society of Biological chemists (India) Annamalainagar Chapter, February 2003.
20. XII Annual Scientific Meet of Society of Biological chemists (India) Annamalainagar Chapter, February 2002.
21. XV Annual Conference of society for Atherosclerosis Research, Tirupati, October 2002.
22. XI Annual Scientific Meet of Society of Biological chemists (India) Annamalainagar Chapter, February 2001.
23. X Annual Scientific Meet of Society of Biological chemists (India) Annamalainagar Chapter, February 2000.

Paper/Posters Presented

1. Paper Presentation on Characterization and evaluation of anticarcinogenic activity of green synthesized AgSNPs from *Tragia bicolor*: an *in vitro* study. International conference on materials and characterization techniques. VIT University, Vellore. 10th to 12th March 2014.
2. Poster presentation on Evaluation of combined and individual effects of silver nanoparticles from Vitamin C and Luteolin on HeLa cell lines. International conference on materials and characterization techniques. VIT University, Vellore. 10th to 12th March 2014.
3. Poster presentation on Synthesis, characterization and *in vitro* antioxidant potential of green silver nanoparticles from *digitaria radicata*. VIT University, Vellore. 10th to 12th March 2014.
4. Poster presentation on Synthesis, characterization of silver nanoparticles using *hydruncarpus alpine*, its application as potent antimicrobial and antioxidant agent A. International

conference on materials and characterization techniques. VIT University, Vellore. 10th to 12th March 2014.

5. Poster presentation on Studies on the antioxidant and free radical scavenging activities of Quercetin and vitamin E. National Conference on Frontiers and Challenges in Biological Organometallic Compounds **(FCBOM-2013)**, M.S. Ramaiah Institute of Technology, Bangalore. 20th & 21st Jun 2013.

6. Paper Presentation on Effects of ginger on bacterial enzymes in 1, 2 Dimethylhydrazine induced experimental colon carcinogenesis. International conference on Phytochemicals in Health and Disease: Challenges and Future Opportunities **(ICPHD-2013)**, Annamalai University, Annamalainagar, 23rd & 25th Jan 2013.

7. Paper presentation on Synergistic and individual effects of umbelliferone with 5-fluorouracil on the status of lipid peroxidation and antioxidant defense against 1,2-dimethylhydrazine induced rat colon carcinogenesis. International conference on Phytochemicals in Health and Disease: Challenges and Future Opportunities **(ICPHD-2013)**, Annamalai University, Annamalainagar, 23rd & 25th Jan 2013.

8. Poster presentation on Preventive effect of umbelliferone against diethyl-nitrosamine induced hepatocellular carcinoma in male wistar rats. International conference on Phytochemicals in Health and Disease: Challenges and Future Opportunities **(ICPHD-2013)**, Annamalai University, Annamalainagar, 23rd & 25th Jan 2013.

9. Poster presentation on synergistic effects of selected anti – cancer drugs with vitamin-E on colon carcinoma: An *in vitro* study. International conference on Phytochemicals in Health and Disease: Challenges and Future Opportunities **(ICPHD-**

2013), Annamalai University, Annamalainagar, 23rd & 25th Jan 2013.

- 10.** Paper presentation on Luteolin a dietary flavonoid attenuates isoproterenol – induced myocardium: An *In vivo* study. International conference on Phytochemicals in Health and Disease: Challenges and Future Opportunities (**ICPHD-2013**). Annamalai University, Annamalainagar, 23rd & 25th Jan 2013.
- 11.** Paper presentation on protective activity of umbelliferone against n- nitrosodiethylamine induced hepatocellular carcinoma in wistar rats. National conference on current scenario and emerging trends in hepatocellular diseases (**NC-HepCD-2012**). Pondicherry University, Pondicherry, 5 & 6 October 2012.
- 12.** Paper presentation on antioxidant potential of naringin – a dietary flavonoid, in n-nitrosodiethylamine induced rat liver carcinogenesis. National conference on current scenario and emerging trends in hepatocellular diseases (**NC-HepCD-2012**). Pondicherry University, Pondicherry, 5 & 6 October 2012.
- 13.** Paper presentation on “Effect of luteolin on lipid peroxidation and antioxidant in acute and chronic periods of isoproterenol induced myocardial infraction on rats”. International Conference on recent trends in artherosclerosis & 25th annual meeting of **ISAR 2012**. Annamalai University, Annamalainagar, 1st & 3rd Sep 2012.
- 14.** Poster presentation on Antioxidant potential of narigin-a dietary flavonoid, in N-nitrosodiethylamine induced rat liver carcinogenesis. International centre for intellectual training and empowerment (**ORIBIO-2012**). Hotel Mascot, Trivandrum, India, 29th Feb 2012.

- 15.** Poster presentation on Cardioprotective effect of luteolin on isoproterenol induced myocardial infarction in rats. International centre for intellectual training and empowerment **(ORIBIO-2012)**. Hotel Mascot, Trivandrum, India, 29th Feb 2012.
- 16.** Poster presentation on Efficiency of aqueous extract of Aigle Marmelos in protecting the CCl₄ mediated liver inflammation in wistar rats. International centre for intellectual training and empowerment **(ORIBIO-2012)**. Hotel Mascot, Trivandrum, India, 29th Feb 2012.
- 17.** Paper presentation on “Amelorative effect of thiourea on salt stress induced in maize (*ZEA MAYS*). National seminar on ‘Enzymes and Biocatalysis, The versatile actors: current trends and future perfectives **(NSEB 2012)**’ Periyar University, Periyar Palkalainagar, Salem, Tamilnadu, 5th and 6th Jan 2012.
- 18.** Paper presentation on The antioxidant effect of Naringin against DEN induced hepatocellular carcinoma. National Seminar on Current Innovations and Recent Trends in Cancer Biology **(CIRTCB-2011)**. Periyar University, Salem, 24th Oct 2011.
- 19.** Poster presentation on Role of fenugreek on isoproterenol induced myocardial infarction in rats. International conference on Food and Nutraceuticals for Nutrition and Health: Technology and delivery **(ICFAN-2011)**. Periyar University, Periyar Palkalainagar, Salem, Tamilnadu, 20th to 22th Jan 2011.
- 20.** Paper presentation on Chemopreventive effect of *phyllanthusamarus* on azaserine induced pancreatic cancer rats. International conference on Food and Nutraceuticals for Nutrition and Health: Technology and delivery **ICFAN-2011**. Periyar University, Periyar Palkalainagar, Salem, Tamilnadu, 20th and 22th Jan 2011.
- 21.** Paper presentation on Role of *Cissusquadrangularis* in rats fed with hyperlipidemic diet. International conference on Natural

Products and Biomedical Technology **(ICNPBT-2011)**.
Annamalai University, Annamalainagar, 10th to 12th Jan 2011.

- 22.** Paper presentation on Role of *Solanum trilobatum* on cyclosporine A induced oxidative damage in rats. International conference on Natural Products and Biomedical Technology **ICNPBT-2011**. Annamalai University, Annamalainagar, 10th to 12th Jan 2011.
- 23.** Paper presentation on Cardioprotective role of Fenugreek on isoproterenol induced myocardial infarction in rats. International congress on Nutrition in Cardiovascular Diseases (Healthy Heart' 2010). **(BPCON-2010)**. Annamalai University, Annamalainagar, 15th and 16th Nov 2010.
- 24.** Paper presentation on protective role of Black cumin on isoproterenol induced myocardial infarction in rats. International congress on Nutrition in Cardiovascular Diseases (Healthy Heart' 2010). **(BPCON-2010)**. Annamalai University, Annamalainagar, 15th and 16th Nov 2010.
- 25.** Paper presentation on Protection against azaserine induced pancreatic cancer in rats by a medicinal plant *Phyllanthus amarus*: A Preliminary study. National level seminar on challenges and opportunities in Biological sciences **(BIOMIC-2010)**. 12th and 13th February 2010.
- 26.** Paper presentation on Cardioprotective effect of fenugreek on isoproterenol induced myocardial injury in rats. National level seminar on challenges and opportunities in Biological sciences **(BIOMIC-2010)**. 12th and 13th February 2010.
- 27.** Poster presentation on the chemo preventive efficacy of ginger on circulatory lipid per oxidation and antioxidant status in 1,2-dimethylhydrazine induced colon cancer in International conference on Antioxidants □ Free Radicals in health-Nutrition □ Radio protectors and IV Annual conference of the Society for free Radical Research in India **(SFRR)**, Bangalore, Karnataka, Jan 2005.

28. Poster presentation on oxidative stress and antioxidant status in cervical cancer patients- A case control study. International Conference on Natural Products, Free Radicals and Radioprotective in Health **(NFRH-2004)**. Annamalainagar University 17th and 19th Jan 2004.

29. Circulatory lipid peroxidation and antioxidant status in cervical cancer patients in XV Annual Conference of Indian Society for Atherosclerosis Research **(NERH-2004)**. Sri Venkateshwara Institute of Medical Sciences Tirupati, 10th and 11th Oct 2002.

Conference organized

Convener:

- ❖ Organized the National Seminar on **“Current Innovations and Recent Trends in Cancer Biology”** held on 24th October, 2011 in the Department of Biochemistry, Periyar University, Salem-11.

Organizing Committee member:

- ❖ UGC sponsored national seminar on Current status and future prospectus of plants therapeutics and phyto medicine **(PTPM 2012)**, Periyar University, Periyar Palkalainagar, Salem, Tamilnadu, 13th & 14th February 2012.
- ❖ National seminar on Enzymes and Biocatalysis. The Versatile Actors: Current trends and future prospective **(NSEB 2012)**, Periyar University, Periyar Palkalainagar, Salem, Tamilnadu, 5th & 6th January 2012.
- ❖ One day seminar on “Biodiversity resources, Management and Conservation” was held on 31st Dec, 2010 at Periyar University, Salem-11.

10. Special lecture:

- ❖ Organized the special lecture titled by **“Spingolipids on Cancer Biology”** with Dr. P. Thamarai Udhaya Suriyan, Senior scientist, Department of Biochemistry and Molecular Biology, Hollings cancer center, Medical University of South Carolina. USA.

M.Phil and Ph.D

S.No	M.Phil		Ph.D					
	Registered	Submitted	Registered		Submitted		Awarded	
			Full Time	Part Time	Full Time	Part Time	Full Time	Part Time
1.	23	21	6	2	2	-	2	-

Professional activities

Life member

- ❖ Biomedical Engineering Society of India–Manipal Institute of Technology, Manipal
- ❖ Society of Biological Chemists, India.
- ❖ INCITE Science and Technology consortium (ISTC)
- ❖ SBTI – Cochin University of Science and Technology

Member for board of studies

- ❖ Member of PG board of studies in Biochemistry at Periyar University, Salem 11
- ❖ Member of UG and PG board of studies in Vellalar college for women, Erode-12

Reviewer for the reputed International journals like

- ❖ African journal of Pharmacy and Pharmacology
- ❖ African journal of biochemical research
- ❖ International journal of biotechnology and molecular biology research

- ❖ Avicenna journal of medical biotechnology

Conference Organized

1

Research Lab Facilities

Western blotting, -20 Deep Freezer, Cell culture Lab Facilities

Examiner for PG/M.Phil

- ❖ External and Internal examiner for Periyar University examinations for PG (Both theory and practical) and M.Phil Biochemistry, Periyar University.
- ❖ External examiner for PG (practical) for Microbiology, Periyar University.
- ❖ External examiner for conducting M.Phil Microbiology Viva-voce examinations, Periyar University
- ❖ Examiner for evaluating M.Phil thesis for Annamalai University
- ❖ External examiner for evaluating M.Phil thesis for Karpagam University
- ❖ Examiner for evaluating M.Phil thesis for Bharathiyar University
- ❖ External examiner for PG (Practical) for Muthayammal College of arts and science
- ❖ External examiner for PG (Practical) for K.S.R. College of arts and science
- ❖ External examiner and question paper setter for Bharathidhasan University
- ❖ External examiner for evaluating UG theory paper for Vinayaga Missions University.

Doctoral Committee Member

- ❖ External Doctoral committee member for Ph.D at Vellore Institute of Technology, Vellore.
- ❖ External Doctoral committee member for Ph.D at Periyar University, Salem
- ❖ External Doctoral committee member for Ph.D at Muthayammal College of arts and science.

Details of Refresher course/Orientation Course attended

Name	Place	Periods	Sponsor	Field of Specialization	Expertise developed of learnt	Application of training
Oriental course	Chennai	28 days	UGC	Teaching	Micro-teaching	To improve the teaching methodology
Refresher Course	Coimbatore	28 days	UGC	Teaching	Micro-teaching	To improve the teaching methodology

Major Research Projects/Ongoing

S. No.	Title of the Project	Name of the funding agency	Duration	Budget
1.	Synergistic effects of selected anti-cancer drugs with Vitamin-c against colon carcinogenesis models	UGC	2012-2015	13,36,300.00
2.	Molecular and Biochemical approach to the anti-carcinogenic effect of eriodictyol, a dietary flavonoid in DMH induced colon carcinogenesis	DST	2013-2016	18,90,000.00
				32,26,300.00

Fellowships/Projects

S. No.	Students	Fellowships	Title
1.	M. Murugesan (Dr. V. Manju, Research Mentor)	URF	Cardioprotective role of the flavonoid luteolin on biochemical and molecular biological variables on isoproterenol induced myocardial infarction in rats
2.	R. Revathi (Dr. V. Manju, Research Mentor)	ICMR-SRF	Modulatory influence of Umbelliferone with Vitamin C on diethylnitrosamine induced hepatocellular carcinoma in rats
3.	N. Karthi (Dr. V. Manju, Research Mentor)	UGC-MRP- JRF	Synergistic effects of selected anticancer drugs with vitamin E against colon carcinogenesis models
4.	P. Mariyappan (Dr. V. Manju, Research Mentor)	DST-SERB- JRF	Molecular and Biochemical approach to the anti-carcinogenic effect of eriodictyol, a dietary flavonoid in DMH induced colon carcinogenesis