

Mrs. P. MEENATCHI

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Research Specialization: Diabetes, Natural Antioxidants, Free Radicals, and Phytochemistry.**Research Guidance: Guiding M.Sc., Projects****Education Details:**

Name of the Degree	College	University	Duration
B.Sc., Biochemistry	Sengamala Thayaar Educational Trust Women's College, Mannargudi.	Bharathidasan University	3Years
M.Sc., Biochemistry	Sengamala Thayaar Educational Trust Women's College, Mannargudi.	Bharathidasan University	2Years
M. Phil., Biochemistry	Distance Education	Bharathidasan University	1Year
APGDBI	Bharathidasan University	Bharathidasan University	1Year
Ph.D Biochemistry	Government Arts and Science College for Women, Orathanadu.	Bharathidasan University	Pursuing

Academic Experience:

Organization /College	From	To	Designation
Mohamed Sathak College of Arts and Science	02.01.2004	Till date	Assistant Professor

CONFERENCES ORGANISED:

S.No	Title of the Conference	National / International/ State/Regional	Duration
1.	Emergence and Resurgence of Covid – 19 from Biological Sciences Perspectives	National	19 th March 2021
2.	Interdisciplinary Research and Innovation in Biosciences – NATCON 2018	National	24 th - 25 th January 2018
3.	Natural products as therapeutics, Medical microbiology, Nanobiology and System biology current scenario & emerging trends – NATCON 2014	National	18 th and 19 th September 2014
4.	Seminar on Recent Trends in Research and Applications of Life Sciences	Regional	9 th February 2012
5.	“State level Meet in Biochemistry” CASCADE – 2004	State	March 2004

WORKSHOPS ATTENDED:

S.No	Name of the Workshop	Held on	Organiser
1.	National Intellectual Property Awareness Mission	8 th April 2022	Intellectual Property Office, India
2.	Workshop on “Primer Designing”	12 th July 2021	Annai Velankanni’s College for Women, Chennai.
3.	Workshop on 'Intellectual Property Rights'	21 st to 22 nd June 2021	G.T.N Arts College , Dindigul in association with Tamilnadu State Council for Science and Technology

S.No	Name of the Workshop	Held on	Organiser
1.	National Intellectual Property Awareness Mission	8 th April 2022	Intellectual Property Office, India
2.	Workshop on “Primer Designing”	12 th July 2021	Annai Velankanni’s College for Women, Chennai.
4.	“Analytical Techniques in Current Scenario”	9 th to 11 th June 2021	S.I.V.E.T College, Chennai – 73.
5.	Nurture the Nature for our Future	6 th & 7 th February 2020	Prince Shri Venkateshwara Arts and Science College, Chennai – 73.
6.	NPTEL workshop	18 th February 2020	IIT Madras at Mohamed Sathak College of Arts and Science, Sholinganallur, Chennai- 119.
7.	“Musroom Cultivation and Biofertilizer Production”	28th August 2019	Mohamed Sathak College of Arts and Science, Sholinganallur, Chennai- 119.
8.	Refresher Course in Lifesciences, Batch – XII	12 th November – 2 nd December 2014	University of Madras, Chennai
9.	Recent advances in biological sciences – RABS 2014	7 th November 2014	B.S. Abdur Rahman University, Chennai – 48.
10	Workshop cum training program on Bioinformatics	2 nd August to 6 th August, 2004	Mohamed Sathak College of Arts and Science, Sholinganallur, Chennai- 119.

CONFERENCES ATTENDED:

INTERNATIONAL AND NATIONAL CONFERENCES: [Presented and participated]

S.No	Conference Name	Research Paper \ Title	Held on	Organiser
1.	National Seminar on “Recent Trends in Molecular Biology”	-	18 th May 2022	Government Degree College for Women, Jagtital, Telangana

2.	National Level Webinar on “Systematic approach towards computer aided drug discovery”	-	15 th October 2021	Worldwide Online Educational Academy UDYAM Registration under Ministry of Micro, Small and Medium Enterprises, Government Of India
3.	International Webinar on “Effective Research Writing and Scholarly Publishing under UGC STRIDE Scheme”	-	19 th - 20 th August 2021	V.O.Chidambaram College, Thoothukudi
4.	International Webinar on Biological Sciences	-	22 nd – 24 th July 2021	Hindustan College of Arts and Science, Chennai in association with Antiviral Research Society
5.	National Webinar on “Mucormycosis (The Black Fungi)”	-	16 th July 2021	V.H.N Senthilkumara Nadar College, Virudhunagar.
6.	International Webinar Titled “From Targets To Therapies”	-	14 th July 2021	Justice Basheer Ahmed Sayeed College For Women, (Autonomous), Chennai
7.	National Webinar On “Empowering Women Through Entrepreneurship”	-	15 th June 2021	Guru Nanak College, Chennai.
8.	National Level webinar on “Biofloc-Copefloc: An Innovative Way Of Aquaculture”	-	9 th June 2021	K.R, College Of Arts & Science, Kovilpatti.
9.	National Webinar on “Climate Smart Benefits Of Bamboo To Protect the Environment”	-	5 th June 2021	Guru Nanak College, Chennai.
10.	International Webinar on “Safe Food Today for a Healthy Tomorrow”	-	5 th June 2021	Valliammal College For Women Chennai - 102.

11.	National Virtual Seminar on “Medicinal Plants Boosting The Immunity-COVID-19”	-	8 th June 2021.	Govt.Degree College for Women, Jagtial, Telangana.
12.	National Webinar on “ Industrial Spirulina Production Technology”	-	2 nd June 2021	Ayya Nadar Janaki Ammal College, Sivakasi.
13.	International Virtual Conference on “Genetic Technology – 2021 (ICGT – 2021)”	-	28 th May 2021	Noorul Islam Centre for Higher Education, Kumaracoil.
14.	National Webinar On “Patent – Drafting And Registration”	-	19 th May 2021	Guru Nanak College, Chennai.
15.	National virtual seminar on “Plant Systematics - Biodiversity & Environment”	-	10 th May 2021	Govt.Degree College for Women, Jagtial, Telangana.
16.	International Webinar on “Open Education Resources & Google site Creation”	-	27 th & 28 th July 2020	DMI-St.John the Baptist University
17.	National Webinar on PANDEMIC – Past, Present and Future with special reference to COVID – 19.	-	9 th June 2020	Tamilnadu State Council for Science and Technology in collaboration with DST, India.
18.	International Research Conference on Pharmaceutical and Allied Sciences, (IRCPAS 2020)	Antioxidant Potential Of Fraxetin Ameliorates Lipid Anomalies And Inflammatory Cytokines In High Fat Diet Induced Hypercholesterolemic Rats	7 th & 8 th March 2020	UCSI University, Malaysia,
19.	National Symposium on Industrial Aspects of Biochemistry	-	10 th January 2020	Soka Ikeda College of Arts and Science for Women, Chennai – 99.

20.	National Conference on Interdisciplinary Research and Innovation in Biosciences – NATCON 2018	Insulin-secretagogue action of the traditional antidiabetic plant <i>Coccinia grandis</i> Voigt in rat insulinoma cell line RINm5F <i>in vitro</i>	24 th - 25 th January 2018	Mohamed Sathak College of Arts and Science, Sholinganallur, Chennai – 119.
21.	Phytochemicals in Medicinal plants and Food (MEDFOOD'18)	GC-MS analysis of Bioactive compounds and Antibacterial activity of <i>Coccinia grandis</i> L	1 st February 2018	Bharathidasan University Constituent College for Women
22.	3 rd International Research Symposium on Pure and Applied Sciences – IRSPAS 2018	Antidiabetic effect of <i>Coccinia grandis</i> L. on Streptozotocin induced diabetic rats and its role in regulating hepatic key enzymes	26 th October 2018	University of Kelaniya, Sri Lanka.
23.	National Seminar on Biomarkers: From Research To Clinical Practice	Total phenolics, flavonoids, saponins and dietary fibers contents in <i>Coccinia grandis</i> (L)	30 th and 31 st January 2017	Meenakshi College for Women (Autonomous)
24.	National Seminar on Herbal Drug Development	-	22 nd September 2017	SengamalaThayaar Educational Trust Women's College
25.	International Seminar on Biotechnology – Challenging the Challenges of the Changing World (BCCCW 2015)	-	4 th & 5 th February 2015	Justice Basheer Ahmed Sayeed College, Chennai – 18.
26.	International Seminar on New Horizons in Microbiology – Challenges and Prospects	-	31 st July 2015	Mohamed Sathak College of Arts and Science, Sholinganallur,

				Chennai – 119.
27.	National Seminar on “Phytochemicals as Therapeutics	-	24 th and 25 th February 2012.	Dr.A.L.M. Post Graduate Institute of Basic Medical Sciences, University of Madras.
28.	Recent Trends in Biosciences & Future Prospects. BIOCADENCE-2012.	Inhibition of Paraben induced oxidative hemolysis of red blood cells by <i>Hibiscus</i> polyphenols	17 th February 2012	Asan Memorial College of Arts & Science, Chennai-100
29.	International Conference On The Key Role Of Life Sciences For Sustainable Development In The World- GREENOMICS	Biodegradation of aromatic hydrocarbons (toluene and xylene) by a bacterial strain isolated from petroleum contaminated site in Chennai	30 th and 31 st August 2010	Hindustan College of Arts & Science, Chennai-603103.
30.	National Seminar on “Role of free Radicals in Diseases	-	March 2009	Dr.A.L.M. Post Graduate Institute of Basic Medical Sciences, University of Madras

Publications

International Journals:

1. Meenatchi Packirisamy, Maneemegalai Sivaprakasam, *Coccinia grandis* Extract Exerts Antihyperglycemic Effect through its Antioxidant, α -Amylase and α -Glucosidase Inhibitory Activities: An *in vitro* Study. Asian Journal of Biological and Life Sciences, 2021,10,3, 590-596.

2. Purushothaman Ayyakkannu, Ramalingam Sundaram, **Meenatchi Packirisamy**, Sundhararajan Ranganathan, Fraxetin supplementation lowers plasma lipids and enhances antioxidant status in high-fat diet-induced hypercholesterolemic rats, *International Journal of Medical Biochemistry*, 2021;4(1):1-7.
3. Sundaram Ramalingam. **Meenatchi Packirisamy**. Muthu Karuppiyah. Ganesh Vasu. Rahul Gopalakrishnan. Kirubananthan Gothandam. Muthusamy Thirupathi, Effect of b-sitosterol on glucose homeostasis by sensitization of insulin resistance via enhanced protein expression of PPRc and glucose transporter 4 in high fat diet and streptozotocin-induced diabetic rats, *Cytotechnology*, 2020 June; 72(3): 357–366.
4. Purushothaman A, Ganesh A, **Meenatchi P**, Sundaram R, Venkataramanan. Antioxidant potential of *Eclipta alba*, a traditional medicinal herb attenuates oxidative DNA damage in vitro. June 2020, *Nusantara Bioscience* 12: 73-78.
5. Ayyakkannu Purushothaman , Parveen Sufiya, **Packirisamy Meenatchi**, Ramalingam Sundaram and Nallappan Saravanan, Antigenotoxic and Antimutagenic Effects of *Andrographis paniculata* - a Traditional Medicinal Herb against Genotoxicity of Cyclophosphamide: An In Vitro Study on Human Peripheral Lymphocytes, September 2020, *Preventive Nutrition and Food Science* 25(3):246-253.
6. **Meenatchi Packirisamy**, Purushothaman Ayyakkannu and Maneemegalai Sivaprakasam Antidiabetic effect of *Coccinia grandis (L.)* Voigt (Cucurbitales: Cucurbitaceae) on streptozotocin induced diabetic rats and its role in regulating carbohydrate metabolizing enzymes, *Brazilian Journal of Biological Sciences*, 2018, v. 5, No. 11, p. 683-698. ISSN 2358-2731.