

NEHRU MEMORIAL COLLEGE (AUTONOMOUS)

PUTHANAMPATTI-621007

STAFF PROFILE

December - 2021



NAME OF THE STAFF : Dr. C. RENUKA, M.Sc., M.Phil. P.G.D.C.A., Ph. D., SET
DESIGNATION : ASSISTANT PROFESSOR
DEPARTMENT : ZOOLOGY

1. CONTACT

Address : PG & Research Department of Zoology Nehru
Memorial College (Autonomous)
Puthanampatti – 621 007
Trichy District – Tamil Nadu, India.

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Contact Phone (Mobile) : +91- 9791673056
Contact e-mail(s) : renukaphd@gmail.com

2. ACADEMIC QUALIFICATIONS

Degree	College/University/Board	Year of Passing/ Awarded
SET	Mother Teresa Women's University Kodaikanal, Tamil Nadu	July 2018
Ph.D., Zoology	Nehru Memorial College (Autonomous), Puthanampatti – 621 007, Affiliated to Bharathidasan University, Tiruchirappalli, Tamilnadu.	July 2012
M.Phil., Zoology	Nehru Memorial College (Autonomous), Puthanampatti – 621 007, Affiliated to Bharathidasan University, Tiruchirappalli, Tamilnadu.	October 2006

M.Sc., Zoology	Alamelu Angappan College for Women, Kumarappalayam, Affiliated to Periyar University, Namkkal District, Tamilnadu.	May 2001
P.G.D.C.A	Nehru Memorial College (Autonomous), Puthanampatti – 621 007, Affiliated to Bharathidasan University, Tiruchirappalli, Tamilnadu.	May 1999
B.Sc., Zoology	Nehru Memorial College (Autonomous), Puthanampatti – 621 007, Affiliated to Bharathidasan University, Tiruchirappalli, Tamilnadu	April 1997

3. TEACHING EXPERIENCE

S. No.	Institution	Duration	No. of Years	
			UG	PG
1	As Assistant Professor in Nehru Memorial College (Autonomous), Puthanampatti – 621 007, Trichy District, Tamil Nadu	From October 2013 to Till Date	8.1	8.1

4. Research Experience : 15 Years

5. Area of Research : Herbal plant evaluation (Antidiabetic activity Both *In vivo* & *Invitro*; Biofertilizers.

6. RESEARCH GUIDANCE (In Numbers)

Program of Study		Completed	Ongoing
Project	PG	11	01

7. PUBLICATION(S) (In Numbers)

Journal(s)		Proceeding(s)		Book(s) / Chapter(s) / Monograph(s) / Manual(s)
International	National	International	National	
06	01	01	---	02

Cumulative Impact Factor (as per JCR)	15.22
h-index	04
Total Citations	129

8. **PRESENTATION(S) (In Numbers)**

Events	International	National	State	Regional
Conference(s)	02	07	01	--
Seminar(s)	--	02	--	--

9. **PARTICIPATION (In Numbers)**

Events	International	National	State	Regional
Conference(s)	02	07	01	--
Seminar(s)	01	03	--	--
Workshop(s)	01	04	01	--
Symposium(s)	--	01	--	--
Webminar(s)	--	--	10	--

10. **FUNDED RESEARCH PROJECT(S)**

List of Completed Project(s)					
S. No.	Agency	Period		Project Title	Grant Allocated (Rs. In Lakhs)
		From	To		
01	DST	June 2013	May 2015	“Isolation, Characterization and antidiabetic evaluation of flavonoid compound of <i>Biophytum sensitivum</i> in pancreatic cell line”	18, 000, 00 /-

11. **DISTINCTIVE ACHIEVEMENT(S) / RECOGNITION(S) / AWARD(S)**

Young Scientist Award:

1. Awarded DST Fast Track Young Scientist from 2013 to 2015 entitled “Isolation, Characterization and antidiabetic evaluation of flavonoid compound of *Biophytum sensitivum* in pancreatic cell line” under the Science and Engineering Research Board (SERB), New Delhi.

Award:

2. **Best poster presentation award** in State Level Seminar on “Modern Trends in Biological Sciences towards Human Health and Disease” during 17th Feb 2012 for poster presentation entitled on “Anticancer activity of *Cissus quadrangularis* on breast cancer cell lines (MCF-7)”.

Fellowship:

1. **Awarded Rajiv Gandhi National Fellowship SRF** for Ph.D., from October 2008 to September 2011.

2. **Awarded Rajiv Gandhi National Fellowship JRF** for Ph.D., from October 2007 to September 2008.
3. **Awarded Rajiv Gandhi National Fellowship JRF** for M.Phil., from September 2005 to August 2006.

12. ACADEMIC / ADMINISTRATIVE RESPONSIBILITIES HELD

1. Act as a Department Co – ordinator for Entrepreneurship Cell in our college.
2. III B.Sc., Zoology Class In charge.
3. Mentor and Mentee incharge for III B.Sc., Zoology

13. SERVED AS A RESOURCE PERSON (INVITED TALKS / GUEST LECTURES)

Served as a Resource person for PG (Non Semester Programme) offered by Center for Distance Education of Bharathidasan University at Tiruchirappalli, Tamil Nadu, India for the year March 2019.

Served as a Resource person for PG (Non Semester Programme) offered by Center for Distance Education of Bharathidasan University at Tiruchirappalli, Tamil Nadu, India for the year February 2020.

14. DETAILS OF MEMBERSHIP

<i>Academic Bodies (Board of studies)</i>	UG & PG ZOOLOGY BOARD OF STUDIES MEMBER
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15. DETAILS OF PUBLICATIONS

(a) JOURNAL(S)

1. Renuka, C and Saravanan, K. 2018. Antidiabetic Potential of *Biophytum sensitivum* Whole Plant Extracts in STZ Induced Diabetic Rats. International Journal of Scientific & Engineering Research.9(6):72-77.ISSN2229-5518. URL<https://www.ijser.org/onlineResearchPaperViewer.aspx?Antidiabetic-Potential-of-Biophytum-Sensitivum-Whole-Plant-Extracts-in-STZ-Induced-Diabetic-Rats.pdf>.
2. Renuka, C., Elavarasi, S., Saravanan, K and Revathi, G. 2015. Antihyperlipidemic activity of *Biophytum sensitivum* extracts in Streptozotocin (STZ) induced diabetic albino rats. *Int.J.Pharm.Bio.Sci.*, 6(4):(P) 128-135. <https://ijpbs.net/abstract.php?article=NDU4NQ==>
3. Elavarasi, S., Saravanan, K and C. Renuka. 2013. A Systematic Review on Medicinal Plants used to treat Diabetes Mellitus. *International Journal of Pharmaceutical, Chemical and Biological Sciences*, 3(3): 938 – 992. URL<<http://www.ijpcbs.com/files/volume3-3-2013/73.pdf>>.
4. Priya, G., Saravanan, K and C. Renuka. 2012. Medicinal plants with potential antifertility activityA review of sixteen years of herbal medicine research (1994-2010). *International Journal of Pharm Tech Research*. 4(1): 481-494.

5. Priya, G., Saravanan, K and **C. Renuka**. 2012. Evaluation of Anti-Fertility Activity of Ethanolic Extract of *Cassia fistula* (Linnaeus) Leaf on Male Albino rats. *Am. J. Pharmtech Res.*,2(5): 613-623.
6. **Renuka, C.**, Ramesh, N. and K. Saravanan. 2009. Evaluation of the antidiabetic effect of *Trigonella foenum-graecum* seed powder on alloxan-induced diabetic albino rats. *International Journal of Pharm Tech Research*. 1(4):1580-1584.
7. **C. Renuka**. 2009. Antidiabetic effect of *Biophytum sensitivum* on alloxan-induced diabetic albino rats. *Journal of Ecobiol.*, 24(3):231-235.

(b) **PROCEEDING(S)**

8. Abinaya, P., Renuka, C., **Saravanan, K** and Elavarasi, S. 2015. Studies on the effect of house dung in the wastewater treatment. *Proceedings of International Conference on Climate Change & the Developing World*, CMS College, Kottayam, Kerala.113-118.

(C) **BOOK(S) / CHAPTER(S) / MONOGRAPH(S) / MANUAL(S)**

S.No.	Title	Authors/Editors Name	Publisher	Year of publication
01	<p>Chapter: Hypoglycemic Activity of <i>Biophytum sensitivum</i> Whole Plant Extracts on Alloxan Induced Diabetic Rats.</p> <p>Book title: Drug Development for Cancer and Diabetes A Path to 2030</p>	<p>Authors: Renuka, C., Saravanan K and P. Karuppannan</p> <p>Editors: K. Saravanan., Chukwuebuka Egbuna., Horne Iona Averal., Soundarapandian Kannan., S.Elavarasi and Bir Bahadur.</p>	Apple Academic Press.	2020
02	<p>Chapter: Avian diversity in the Agro-ecosystem of Puthanampatti village, Tiruchirappalli District, Tamilnadu, India.</p> <p>Book title: <i>Biodiversity: Issues, Impacts, Remediation and Significances.</i></p>	<p>Authors Santhi G., Saravanan K., Elavarasi S., and Renuka, C.</p> <p>Editor: V. I. Paul.,</p>	M/s. VL Media solutions , New Delhi, India.	2013

16. **DETAILS OF PRESENTATION(S)**

(Conference(s) / Seminar(s))

1. Ilamathi, M., Komalavalli, M.S and **C. Renuka**. 2017. Ethanobotanical studies in a part of Kolli hills, Namakkal District, Tamilnadu, Southern India. International Conference on Current challenges in conservation of Biodiversity held on 16th to 18th Feb. 2017 at A.V.C. College (Autonomous) Mannampandal, Mayiladuthurai.

2. Karuppanan, P., Priya, G., Elavarasi, S., **Renuka, C** and K. Saravanan. 2013. Dietary agents for improving fertility in human beings on First International and Third National Conference on Biotechnology, Bioinformatics and Bioengineering held on 28th and 29th June 2013 organized by Society for Applied Biotechnology (India) at Tirupati, Andhra Pradesh.
3. **Renuka, C.** 2016. Removal of Heavy metal from Municipal Waste water in a part of Trichy by using Eco-Friendly Phyto-Filtration. International Conference on Conservation of Natural Resources. Nehru Memorial College (Autonomous), Puthanampatti 17.09.16.
4. Lymphatic Filariasis: Treatment, Control and Elimination. National seminar on “Emerging Trends in Control of Vectors and Vector Borne Diseases”. PG & Research Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti. Two days 29th – 30th September, 2016.
5. **Renuka, C.**, Elavarasi, S., Saravanan, K and M.P. Santhi. 2012. Evaluation of the hypoglycemic and hypolipidemic activity of *Emblica officinalis* on alloxan induced albino rats on National Seminar on Current Perspectives in Biological Sciences (NSOCIPIBS – 2012) held on 11th and 12th October 2012 at PG & Research Department of Zoology, Rajah Serfoji Government College, Thanjavur.
6. **Renuka, C.**, Elavarasi, S., Saravanan, K and M.P. Santhi. 2012. Antidiabetic Effect of *Biophytum sensitivum* extracts in diabetic rat model on 2nd International Symposium on Frontiers in Pharmaceutical Research and Nanotechnology held on 28th and 29th September 2012 organized by Clinfocus Research Pvt, India & Mohamed Sathak A.J. College of Pharmacy, Chennai, India.
7. Suganya, S., **Renuka, C.**, Revathi, G., Saravanan, K and M.P. Santhi. 2012. Anticancer activity of *Cissus quadrangularis* on breast cancer cell lines (MCF-7) on State level Seminar on “Modern Trends in Biological Sciences- Towards Human Health and Disease” held on 17th February 2012 at PG & Research Department of Zoology, Rajah Serfoji Government College, Thanjavur.
8. **Renuka, C.**, Santhi, G., Priya, G., Revathi, G., Saravanan, K and M.P. Santhi, 2012. Avian Diversity on Agricultural Fields in Puthanampatti, Trichy District, Tamil Nadu, Southern India. National Seminar on “Global Environmental Issues and Remediation Technologies (GEIRT 2012)” held on 3rd February at Department of Environment Science, periyar university, Salem – 636 011.
9. Muthulakshmi, B., **Renuka, C.**, Elavarasi, S., Saravanan, K and M.P. Santhi. 2012. “Antidiabetic effect of *Emblica officinalis* on alloxan induced diabetic albino rats on National Seminar on “Environmental Changes and Biowealth (NECB – 2012)” held on 31st January 2012 organized by the P.G. and research Department of Zoology, Jamal Mohamed College, Tiruchirappalli.
10. Selvakumari, R., **Renuka, C.**, and K. Saravanan. 2010. Presented a paper in National Conference on “Impact of climate change on biodiversity of insects and environment” held on 15th and 16th March, 2010 at Department of Zoology, Bharathiyar University, Coimbatore.
11. Priyadarshni, G., **Renuka, C.**, Saravanan, K and P. Sivabakiyam. 2009. Prevalence of diabetes mellitus in the ladies hostel with reference to ABO blood

- groups. Abstract. National Conference on DIA-CAN -2009. Conducted by Department of Biochemistry & Biotechnology, Annamalai University, Chidambaram.
12. **Renuka, C.**, K. Saravanan, and P. Sivabakiyam. 2008. Antidiabetic effect of Fenugreek seeds on alloxan induced diabetic rats. Abstract. National Conference on DIA-CAN -2008. Conducted by Department of Biochemistry & Biotechnology, Annamalai University, Chidambaram.
 13. Nithya, C., **Renuka, C** and K. Saravanan. 2008. Antidiabetic effect of *Emblica officinalis* on alloxan induced diabetic rats. Abstract. “XXVI National Symposium on Reproductive Biology and Comparative Endocrinology” Conducted by Dept. of Biotechnology and Bioinformatics, Holly Cross College, Trichy.
 14. **Renuka, C.** and K. Saravanan. 2008. Antidiabetic effect of *Biophytum sensitivum* (Lin) on alloxan induced diabetic rats. Abstract. “XXVI National Symposium on Reproductive Biology and Comparative Endocrinology” Conducted by Dept. of Biotechnology and Bioinformatics, Holly Cross College, Trichy.
 15. Veeramani, R. Saravanan, K and **C. Renuka**. 2006. Antidiabetic effect of *Biophytum sensitivum* on alloxan induced diabetic rats. Thrust in Biosciences. Vivenkanandha College for Arts and Science, Tiruchenkodu.

17. DETAILS OF PARTICIPATION

- (Conference(s) / Seminar(s) / Workshop(s)/ Training / Symposium(s) / Webminar (s))**
1. Participated International workshop on “Make your own mask” A free online Training, Jointly organized by Department of Zoology, Nehru Memorial College, Puthanampatti, District science centre, Thirunelveli, Business incubation centre & NSS Cell MS University, Thirunelveli and Kyoto University Japan, on 18/11/2020.
 2. International Conference on “Molecular Advances in Biomedical Research” from 9th and 10th February 2018, conducted by PG and Research Department of Zoology at Nehru Memorial College (Autonomous), Puthanampatti, Trichy District and Tamil Nadu and Collaboration with Animal Science Department, Barathidasan University, Trichy District and Tamil Nadu.
 3. International Conference on “Conservations of Natural Resources (ICCNr)” on 17th Septmeber 2016, organised by International South India Chapter (OISCA), Trichy and Nehru Memorial College (Autonomous), Puthanampatti, Trichy District and Tamil Nadu.
 4. National Workshop on “Statistical Tools in Biological Research Emendation” from on 4th to 6th January, 2013 at PG and Research Department of Zoology, Annamalai University, Annamalai Nagar, Cithambaram.
 5. Short term training course on “Protein Characterization and Plant Tissue Culture

Techniques” from on 3rd to 17th July 2013 at Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi, Tamilnadu.

6. National Seminar cum Workshop on “Molecular Informatics and Drug Designing” from 19th to 21st March, 2012 at Department of Zoology & Microbiology, Thiagarajar College (Autonomous), Madurai.
7. National Workshop on “Statistical Analysis of Biological & Biomedical Data” held on 24 & 25th January 2012 at PG and Research Department of Zoology, Rajah Serfoji Government College (Autonomous), Thanjavur.
8. National level Seminar on “Future prospective of Natural Products and Food as Medicine” held on 1st and 2nd April 2011 at PG & Research Department of Zoology, Rajah Serfoji Government College, Thanjavur.
9. State Level workshop on “Good Laboratory Practices” held on 14th October, 2011 at PG & Research Department of Zoology, Lady Doak College, Madurai.
10. National Workshop on “ Antidiabetic Medicinal Herbs Screening and Assessment from 27th March and 28th March, 2009 at Department of Biochemistry & Biotechnology, Annamalai University, Chidambaram.
11. International seminar on Recent Trends in Chemical signaling during 2nd February 2009 conducted by Bharathidasan University, Trichy.
12. National seminar on Bioinformatics from 23rd February 2009 and 24th February 2009 conducted by Bharathidasan University, Trichy.
13. National seminar on “Advances in Biopharming technologies during December 2008, conducted by PG Dept. of Biotechnology, Nehru Memorial College (Autonomous), Puthanampatti.
14. State level Seminar on recent trends in environmental Biotechnology during 13th March 2008 conducted by Jamal Mohamed College (Autonomous), Trichy.
15. XXVI National Symposium on Potential of Translational Research in Reproductive Biology and Endocrinology from 23rd January 2008 to 25th January 2008 conducted by Holy Cross College (Autonomous), Tiruchirappalli.

Webminar (s)

16. Participated Student Development Programme webinar series- I: “Career opportunities and Research Avenue in Zoology”, on 03/04/2020 ,conducted by PG and Research Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti.
17. Participated Student Development Programme webinar series- II: “Biology of Novel Corona Virus (SARS CoV-2)”, on 06/05/2020, conducted by PG and Research Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti.
18. Participated Student Development Programme webinar series- III: “Polinator Decline – A Threat to Human Survival”, on 16/05/2020, conducted by PG and Research Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti.

19. Participated webinar series – IV “Disinfection and post pandemic Human health challenges”, on 08/06/2020, conducted by PG and Research Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti.
20. Participated webinar series- V on “Beyond celebrations towards secure Environment” in connection with World Environment Day, on 16/06/2020, Conducted by PG and Research Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti.
21. Participated in the National Webinar on “Art of Writing Research" held from 25/07/2020 to 28/07/2020, Conducted by Department of Zoology, Nehru Memorial College.
22. Participated the Webinar conducted by PG and Research Department of Zoology, Nehru Memorial College, Puthanampatti for Student Development Programme on “Alumini engagement in Student development” on 06/07/2020.
23. Participated the Webinar conducted by PG and Research Department of Zoology, Nehru Memorial College, Puthanampatti for Student Development Programme on “Alumini engagement in Student development” on 08/07/2020.
24. Participated the Webinar conducted by PG and Research Department of Zoology, Nehru Memorial College, Puthanampatti for Student Development Programme on “Alumini engagement in Student development” on 09/07/2020.
25. Participated the Webinar conducted by PG and Research Department of Zoology, Nehru Memorial College, Puthanampatti for Student Development Programme on “Alumini engagement in Student development” on 10/07/2020.

18. DETAILS OF PROFESSIONAL DEVELOPMENT

FACULTY DEVELOPMENT PROGRAMME (FDP):

1. Participated in the “One Day Faculty Development Programme on “Student Skills: mentoring and Counselling” organized by Nehru Memorial College (Autonomous), Puthanampatti – 621 007, Trichy district, Tamilnadu under the aegis of UGC Autonomous Grant on **30th May 2019**.
2. Participated in one day workshop on “ The Art of Writing Winnable Project Proposal for Funding” organized by Principals Welfare Cell conducted on **23rd March, 2019** at Sankara College of Science and Commerce, Coimbatore, Tamilnadu.
3. Participated in the “Two Day Faculty Development Programme” organized by Nehru Memorial College (Autonomous), Puthanampatti – 621 007, Trichy district, Tamilnadu under the aegis of UGC Autonomous Grant on **11th and 12th June 2018**.
4. Participated in the Faculty Development Programme on ‘**Effective Teaching**’

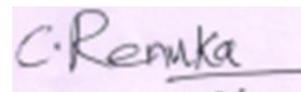
- organized by Nehru Memorial College (Autonomous), Puthanampatti – 621 007, Trichy district, Tamilnadu under the aegis of UGC Autonomous Grant on **12th June 2017**.
5. Participated in the Faculty Development Programme on **‘Revisiting Examination System in the Current Scenario’** organized by Nehru Memorial College (Autonomous), Puthanampatti – 621 007, Trichy district, Tamilnadu under the aegis of UGC Autonomous Grant on **19th March 2016**.
 6. Participated in the Faculty Development Programme on **‘Sustenance/Enhancement of Quality in Higher Education’** organized by Nehru Memorial College (Autonomous), Puthanampatti – 621 007, Trichy district, Tamilnadu under the aegis of UGC Autonomous Grant on **5th August 2015**.
 7. Participated in the Faculty Development Programme on **‘Impact of Research on Teaching in Higher Education’** organized by the Internal Quality Assurance Cell of Nehru Memorial College (Autonomous), Puthanampatti – 621 007, Trichy district, Tamilnadu under the aegis of UGC Autonomous Grant on **11th June 2014**.

DECLARATION

I hereby declare that all particulars given above are true, complete and correct. I understand that in the event of any information being found false or incorrect my candidature is liable to be cancelled/rejected.

Station: Puthanampatti.

Date : December 2021



(Dr. C. RENUKA)