

Name : **Dr.T.Angeline**
Designation : Assistant Professor
Department : Zoology
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EDUCATIONAL QUALIFICATIONS

Degree/ Subject	Subject	Name of the College/University	Year Completed
B.Sc	Zoology	Lady Doak College, Madurai	1997
M.Sc	Zoology	Lady Doak College, Madurai	1999
Ph.D	Zoology	Madurai Kamaraj University	2008

Qualified Exam

Passed STATE ELIGIBILITY TEST FOR LECTURERSHIP –(SET-2016) Reg. no. 2501790

Specialization in Teaching

- Biochemistry, rDNA technology, Immunology, Molecular Biology

Specialization in Research

- Molecular Genetics, Clinical Biochemistry

RESEARCH GRANTS/FELLOWSHIPS /AWARDS

- **CSIR- Senior research fellowship**
- **CSIR –Research associate fellowship,**
- **SERB- Young Scientist (Fast Track Scheme) fellowship**

Ph.D & M.phil Guideship	Date	University	No. of students registered
No: 1894	25.05.2018	Madurai Kamaraj University	1 (Full time)

Administrative /Academic Position/s (held / currently holding):

Positions held / currently holding	Year - From (month/year) To month/year)
Service Learning Program – Project Associate	From February 2018 onwards...
Science Instrumentation Centre Member	August 2018 onwards...
NAAC Committee Member (Criterion -III)	June 2019 onwards...

MEMBERSHIP IN PROFESSIONAL BODIES

- Association of Clinical Biochemists in India [Life membership no.2476/LM/JOUR]
- Indian Society of Human Genetics [Life membership no.L/1690/2013]
- Tamil Nadu Science Forum [Life member]

RESEARCH PUBLICATIONS OF DR.T.ANGELINE

Papers in International Journals :**16**; Papers in National Journals : **5**

1. Nithya K, **Angeline T**, Priscilla AS, and Asirvatham AJ. “Prevalence of glutamate carboxypeptidase II C1561T, reduced folate carrier 1 A80G, and methionine synthase a2756g gene polymorphisms in patients with type 2 diabetes mellitus among south indians”. Asian Journal of Pharmaceutical and Clinical Research, 12(12), 2019, pp. 170-5,
2. Nithya K, Isabel W, **Angeline T**, Priscilla A.S., Asirvatham A.J. Association of MTHFR A1298C gene variant, DNA damage, and total antioxidant status with the risk of type 2 diabetes mellitus and its complications. Asian Journal of Pharmaceutical and Clinical Research 11 (6)e 2018 344-348.[ISSN 0974-2441] H-Index =23 ; Impact factor :0.5.
3. Nithya K , Isabel W ,**Angeline T**, A.S. Priscilla, H. Shakila ,A.J. AsirvathamMTHFR C677T gene polymorphism in Type 2 diabetes mellitus patients with and without vascular complications: A case-control study Meta Gene, 14, 79-84, 2017 [ISSN: 2214-5400]. SCOPUS INDEXED : H-Index =11 ; ImpaJct factor :0.6.
4. Nithya K, Isabel W, **Angeline T**, Priscilla AS, Asirvatham AJ. Assessment of DNA strand breaks and total antioxidant status in patients with type 2 diabetes with and without complications: A case-control study. *Asian Journal of Pharmaceutical and Clinical Research* (2017) 10 (4) 430-434. ISSN 2455-3891 [**Impact factor :0.48**]
5. **T. Angeline**, Research Opportunities for Women Scientists in India. International Journal of Science and Research (2017), 6(1) 2194-2196. ISSN : 2319-7064
6. **T. Angeline**, J. Christina Caroline,J. Jenifa Amal Rani, A. J. Asirvatham & W. Isabel. Analysis of DNA damage, plasma lipid peroxidation, and antioxidant status in type 2 diabetes mellitus patients among a south Indian population. *International Journal of Diabetes in Developing Countries* 35 (Suppl 3):S491–S495,**2015** [**Impact Factor :0.343**]
7. **T.Angeline**, Oxidative DNA damage and genetic variants in the DNA sequences coding for antioxidant enzymes in type 2 diabetes mellitus.*Diabetes research and clinical practice* 106(1) S27,**2014** [**Impact Factor :2.538**]
8. Lourdhu Mary, K. Nithya, W. Isabel, and **T. Angeline**. Prevalence of Catalase (-21 A/T) Gene Variant in South Indian (Tamil) Population. *BioMed Research International*. **2014** (2014)1-4 pages [**Impact Factor :1.579**]
9. **T. Angeline**, H. R. Krithiga, W. Isabel, A. J. Asirvatham, and A. Poornima. Endothelial Nitric Oxide Synthase Gene Polymorphism (G894T) and DiabetesMellitus (Type II) among South Indians. *Oxidative Medicine and Cellular Longevity*. **2011**;1-4 [**Impact Factor : 3.516**]
10. **T.Angeline**, W. Isabel and Gregory J Tsongalis Endothelial Nitric Oxide Gene Polymorphisms, Nitric Oxide Production And Coronary Artery Disease Risk In A South

Indian Population. *Experimental and Molecular Pathology* 89, 205–208, **2010** [*Impact Factor :2.88*].

11. **T.Angeline** , Nirmala Jeyaraj and Gregory J. Tsongalis . MTHFR Gene polymorphisms, B-vitamins and hyperhomocystinemia in young and middle-aged acute myocardial infarction patients. *Experimental and Molecular Pathology* 82 227–233, **2007** (Elsevier Publications) [*Impact Factor : 2.88*]
12. **T.Angeline**, Rita Mary Aruna, K. Ramadevi, and Nirmala Jeyaraj. Homocysteine and Total Antioxidant Status in acute myocardial infarction patients among Tamil population. *Integrative Biosciences* 11:161-164,**2007** [*Impact Factor :0.440*]
13. **T.Angeline**, Heather A. Bentley, Arnold B. Hawk, Richard J. Manners, Harsha A. Monakshi, Nirmala Jeyaraj, Gregory J. Tsongalis. Prevalence of the Factor V G1691A and the Factor II/prothrombin G20210A gene polymorphisms among Tamilians. *Experimental and Molecular pathology* 79; 9-13, **2005** (Elsevier Publications) [*Impact Factor :2.88*]
14. **T.Angeline** and Nirmala Jeyaraj, Effect of MTHFR gene polymorphisms (C677T & A1298C) on homocysteine level in acute myocardial infarction patients among Tamilians, *Haematologica reports (supplement)*, 3(1) 37,2005 [*Impact Factor :5.814*]
15. **T. Angeline**, Nirmala Jeyaraj, Selena Granito and Gregory J. Tsongalis. Prevalance of MTHFR gene polymorphisms (C677T&A1298C) among Tamilians *Experimental and Molecular pathology*, 17: 85-88,**2004** (Elsevier Publication. [*Impact Factor :2.88*]
16. **T.Angeline**, K. Ramadevi, Rita Mary Aruna, G.Mohan and Nirmala Jeyaraj. Alteration in Magnesium level in acute myocardial infarction. *Korean Journal of Biological sciences* 7:169-171,**2003** [*Impact Factor :0.350*]

NATIONAL JOURNALS

- 17 Nishevitha NS, **T. Angeline** and Nirmala Jeyaraj. Prevalence of endothelial nitric oxide synthase (eNOS) Glu289->Asp polymorphism (G894T) among South Indian population. *Indian Journal of Medical Research* 129 : 68-71, **2009** [*Impact Factor -1.863*]
- 18 **T.Angeline**, G.Thiruvartselvi, W.Isabel, Rita Mary Aruna , Rama Devi , Nirmala Jeyaraj. MTHFR (Ala 222 val) polymorphism and AMI in patients with Type II diabetes mellitus : a case control study. *Indian Journal of Clinical Biochemistry* 24 (2) 137-141,**2009** (**Scopus Indexed**)
- 19 **T.Angeline**, Rita Mary Aruna, K. Ramadevi, G.Mohan and Nirmala Jeyaraj. Homocysteine status and acute myocardial infarction among Tamilians. *Indian Journal of clinical Biochemistry* 20(1)18-20,**2005**. (**Scopus Indexed**)
- 20 Nirmala Jeyaraj, **T.Angeline**, A. Lourdu Mary, K. Ramadevi, and Rita Mary Aruna, Selenium status in acute myocardial infarction patients among Tamilnadu populations. *Journal of current sciences*,5(1):145-148,**2004**. (**Scopus Indexed**)

- 21 **T.Angeline**, Rita Mary Aruna, K. Ramadevi, G.Mohan and Nirmala Jeyaraj. Serum lipoprotein (a) and lipid profile in young South Indian patients with myocardial infarction. *Indian Journal of Clinical Biochemistry*, 18 (1) 103-106, **2003**. (**Scopus Indexed**)

GENBANK-NCBI PUBLICATIONS

S.No.	Accession number	Title	Authors	Date
1	GQ497895	Effect of 4a/4b eNOS genotype on nitric oxide levels	Krithiga HR, <u>Angeline T</u> and Isabel.W.	5-OCT-2009
2	<u>DQ207727</u>	PCR analysis of the MTHFR (C677T) gene	<u>Angeline,T.</u> and Nirmala,J.	29-OCT-2005
3	DQ086837	Effect of MTHFR gene polymorphism on homocysteine levels in acute myocardial infarction patients among Tamilians	<u>Angeline,T.</u> and Nirmala,J.	11-JUL-2005

PRESENTATIONS IN SEMINAR/CONFERENCES

- Single nucleotide polymorphism (C242T) in Exon 4 of NADPH oxidase gene and type II diabetes risk in a random sample of South Indian (Tamil Nadu) population. International Conference on Obesity, Diabetes and Cardiology-Trends in Genomics and Proteomics in Biosciences. at Madurai Kamaraj University, 25-26,February,2020.
- MTHFR C677T Gene polymorphism in type 2 Diabetes patients with and without complications: A case-control study. 42nd Annual Meeting of the Indian Society of Human Genetics & International Symposium on Trends in Human Genetic Research & Management. Indian Institute of Science, Bangalore,p216. March 2-4,2017.
- Alterations in serum zinc status, immunosenescence and their association with diabetes mellitus. International conference on “New horizons, emerging challenges and recent paradigms in food mediated immunity and their role in human health and longevity, organized by PG & Research Dept. of Zoology,The American College, Madurai August 31st and September 1st , `2016.

- Oxidative DNA damage and genetic variants in the DNA sequences coding for antioxidant enzymes in type 2 diabetes mellitus, **International diabetes Federation (IDF) WPR Congress, Singapore**, November 21-24; 2014
- Assessment of DNA damage through various molecular and cytogenetic detection, National seminar on **Emerging trends in biological research**, Madurai December 11th and 12th, 2013.
- Endothelial synthase gene EXON 7 polymorphism in patients with diabetes mellitus among South Indians”, **International Conference on “Recent trends in Life Sciences”** organized by PG nitric oxide and Research Department of Zoology, Holy Cross College, Tiruchirapalli Proceedings, 17th & 18th February 2011
- Discrimination of single nucleotide polymorphisms by using gold nanoparticle – DNA conjugates” CSIR sponsored **National Seminar on “Frontiers in Nanotechnology”**, PG and Research Department of Zoology, Lady Doak College, Madurai, Proceedings. 17th and 18th Sep 2009.
- Total antioxidant activity in plasma of cancer patients. 33rd **National conference of association of clinical biochemists of India**. ACBICON. Nov 23-26th **2006. Pune.**
- Study of homocysteine, cobalamin, folate and riboflavin in acute myocardial infarction patients among Tamilians. 33rd **National conference of association of clinical biochemists of India**. ACBICON. Nov **2006. Pune.**
- Association between plasma homocysteine and folate concentrations with acute myocardial infarction, “Aqua Terr” Science Day Symposium, Madurai Kamaraj University, **Madurai** on 28th March **2005.**
- Effect of MTHFR gene polymorphisms (C677T & A1298C) on homocysteine level in acute myocardial infarction patients among Tamilians. “Homocysteine metabolism, 5th International Conference” held at Milano, **Italy** on June **2005.**
- ‘Study of Homocysteine and Magnesium in Myocardial Infarction’. 9th Asian Pacific Congress of Clinical Biochemistry, held at **New Delhi** from 9th to 14th March **2002.**
- ‘Study of Magnesium in Myocardial Infarction’. 9th Asian Pacific Congress of Clinical Biochemistry, held at **New Delhi** from 9th to 14th March **2002.**

CONTRIBUTION IN ORGANIZING SEMINARS/ CONFERENCES/ WORKSHOPS

- Hands on Training cum workshop on fundamentals of bioinformatics for life science students, organized by PG & Research Dept. of Zoology, The American College on 04 April 2019.
- Science academies' lecture workshop on **“Introduction to Modern Biology”**, organized by PG & Research Dept. of Zoology, 19-21, January 2017.
- International conference on **“New horizons, emerging challenges and recent paradigms in food mediated immunity and their role in human health and longevity**, organized by PG & Research Dept. of Zoology, The American College, Madurai August 31st and September 1st, 2016.
- Hands-on training in **‘Techniques in Molecular Biology’** -2015 held at Lady Doak College, Madurai (2nd to 4th December, 2015).
- National seminar on **‘Emerging Trends in Biological Research’**(UGC Sponsored) held at Lady Doak College, Madurai (16th and 17th, September, 2014)
- Hands-on training in **“Laboratory techniques for Biology teachers”** in schools in and around Madurai. Lady Doak College, (Sponsored by TNSCST & DBT) (Jan. 11th to 13th 2010)
- National Seminar on **“Frontiers in Nanotechnology”**, (CSIR sponsored) PG and Research Department of Zoology, Lady Doak College, Madurai (17th and 18th Sep. 2009)
- State level workshop on **“Recent Techniques in Modern Biology”**. held in Lady Doak College. Madurai. (3rd to 8th June 2002)

PARTICIPATION IN WORKSHOPS AND TRAINING PROGRAMMES

- Curriculum development Workshop held in the PG and Research Dept of Zoology, The American College, Madurai on 21st June 2019.
- Participated in **‘Hands on training in Cytogenetic techniques’** conducted by Centre for genetic health care, SRL Diagnostics, Bandra, **Mumbai** from 28.04.2015 to 1.05.2015.
- Participated in **“Workshop on Animal Handling”**, conducted by Department of Zoology and Biotechnology, Lady Doak College, **Madurai**, on 19.10.2010.
- Participated in National level workshop on **‘Techniques in Animal cell culture’** organized by Department of Biotechnology, Lady Doak College, **Madurai** from 22.02.2010 to 26.02.2010
- Participated in **“Training course in Recombinant DNA techniques”**, conducted by School of Biotechnology, Madurai Kamaraj University, **Madurai**, from 17.06.2002 to 25.06.2002
- Participated in **‘Workshop on Schrodinger’**, organized by DBT-BIF, Department of Biotechnology, Lady Doak College, **Madurai**, on 30.07.2010.

- Participated on State Level Workshop on ‘**Good Laboratory Practices**’ conducted by Department of Zoology, Lady Doak College, **Madurai**, on 14.10.2011.

PARTICIPATION IN CONFERENCES

- National conference on recent trends in Biological Sciences organized by PG and Research Dept of Zoology, The American College, Madurai on 3rd February, 2020.
- National conference on Emerging trends in Entomology(ETIE-2019)’ organized by PG and Research Dept of Zoology, The American College, Madurai on 7&8th March 2019.
- ‘National conference on Coral reef: Threats and Conservation (CRTC-2019)’ organized by PG and Research Dept of Zoology, The American College, Madurai on 12th February 2019.
- National conference on Western Ghats: Threats and Conservation (WGTC-2018)’ organized by PG and Research Dept of Zoology, The American College, Madurai in association with Save Western Ghats Movement (SWGMM) on 17th Oct 2018.
- ‘National Conference Impacts of Pollution on Health and Restoration of Quality Environment Through Biotechnology Applications (EBAC-2018)’ organized by PG and Research Dept of Zoology and Dept of Immunology & Microbiology, The American College, Madurai during 2 & 3 Feb 2018.
- National seminar on Frontiers in Nanotechnology Sept 17th & 18th, 2009, Department of Zoology, Lady Doak College, Madurai.
- “Homocysteine metabolism, 5th International Conference” held at Milano, **Italy** on June **2005**.
- Aqua Terr” Science Day Symposium, Madurai Kamaraj University, **Madurai** on March 2005.
- National level workshop on “Techniques in animal cell culture”, February 22nd to 26th, 2010, Department of Biotechnology, Madurai.
- National seminar on Frontiers in Nanotechnology Sept 17th & 18th, 2009, Department of Zoology, Lady Doak College, Madurai
- National seminar on Cardiovascular genomics” 29th March, 2004 Conducted by Center for Advanced studies in functional genomics, School of Biological Sciences, Madurai Kamaraj University, **Madurai**.
- Training course in recombinant DNA techniques for postgraduates and faculty of Medical Biochemistry from 7th to 25th June, 2002, School of Biotechnology, **Madurai** Kamaraj University.
- State Level Workshop on Techniques in Modern Biology from 3th-8th June, 2002, Lady Doak College, **Madurai**.
- Completed training conducted by Intel® Teach to the Future Program from July 2002 – September 2002. Lady Doak College, **Madurai**.

- 9th Asian Pacific Congress of Clinical Biochemistry, held at **New Delhi** from 9th to 14th March 2002.
- Participated in Continuing Medical Education programme (CME) on Current trends in the diagnosis and management of diseases on 19.10.2002 Government Rajaji Hospital,**Madurai**.
- State level Seminar on Biology in the New Millennium from 5th –7th January,2000, Lady Doak College, **Madurai**.
- National Level Seminar on Environmental Ethics and Sustainability from 21th –23th February 2001, Lady Doak College, **Madurai**.
- Symposium on Vectors and Vector Borne diseases, held on 29th & 30th January, 1999 at the American College,**Madurai**.

Awards / Fellowships:

Name of the fellowship/ Designation/ award	Funding agency & File no.	Duration	Amount Sanctioned Rs.
STUDENT PROJECT SCHEME	TNSCST,Chennai	2019-2020	7,500
Young scientist FTYS (Start up research grant)	Science and Engineering Research Board SERB New Delhi SR/FT/LS-77-2011	2012-2015	25,80,000
Research associate	Council for scientific and Industrial Research CSIR, New Delhi 8/490(03)2009-EMR-I	2010-2011 2009-2010	3,24,200 2,40,850
Senior research fellow (EXTENDED- SRF)	Council for scientific and Industrial Research CSIR, New Delhi 8/490(0006)/ 2008-EMR-I	2008-2009	2,27,600
Senior research fellow (SRF)	Council for scientific and Industrial Research CSIR, New Delhi 8/490(3)/2005-EMR-I	2007-2008 2006-2007 2005-2006	2,37,350 1,44,200 1,44,200

- Best oral presentation award in International Conference on Obesity, Diabetes and Cardiology-Trends in Genomics and Proteomics in Biosciences.in Madurai Kamaraj University, 25-26,February,2020.
- Best woman Scientist award by Novel research academy, Puducherry.November,2019.
- Travel grant from International Diabetes Federation (IDF), for presenting a paper in the 10th IDF-WPR Congress, 2014 held at **Singapore** from 21.11.2014 - 24.11.2014.

INTERNATIONAL ACADEMIC VISITS

- **Milano, Italy** [Paper presented on ‘Homocysteine Metabolism: 5th International conference’, held from 26.6.2005 to 30.6.2005]
- **Singapore** [Presented a paper on 10th International Diabetes Federation – Western Pacific Region IDF-WPR Congress, held from 21.11.2014 to 24.11.2014].