

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

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

Specialization in Teaching

- Biological chemistry
- Molecular Biology
- Microbial Genetics

Specialization in Research

- Molecular Biology
- Biological chemistry

RESEARCH GRANTS/FELLOWSHIPS /AWARDS

Name of the fellowship/ Designation/ award	Funding agency, File no. and Place of work	Duration
Young scientist (Start up	Science and Engineering Research Board SERB ,	

research grant)	New Delhi SR/FT/LS-77-2011 Lady Doak College	2012-2015
Research associate	Council for scientific and Industrial Research CSIR, New Delhi 8/490(03)2009-EMR-I Lady Doak College	2010-2011 2009-2010
Senior research fellow (EXTENDED-SRF)	Council for scientific and Industrial Research CSIR, New Delhi 8/490(0006)/2008-EMR-I Lady Doak College	2008-2009
Senior research fellow (SRF)	Council for scientific and Industrial Research CSIR, New Delhi 8/490(3)/2005-EMR-I Lady Doak College	2007-2008 2006-2007 2005-2006

➤ Received Travel grant of 1000 Singapore Dollars, from International Diabetes Federation, for presenting a paper in the 10th IDF-WPR Congress, 2014 held in **Singapore** from 21.11.2014 - 24.11.2014.

RESEARCH PUBLICATIONS OF DR.T.ANGELINE

1. K. Nithya, **T. Angeline**, W. Isabel, and A. J. Asirvatham, "SOD1 Gene +35A/C (exon3/intron3) Polymorphism in Type 2 Diabetes Mellitus among South Indian Population. *Genetics Research International*, 2016, 1- 5 , **2016**.
2. **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**]

3. **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**]
4. A. 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**]
5. **T. Angeline**, H. R. Krithiga, W. Isabel, A. J. Asirvatham, and A. Poornima. Endothelial Nitric Oxide Synthase Gene Polymorphism (G894T) and Diabetes Mellitus (Type II) among South Indians. *Oxidative Medicine and Cellular Longevity*. 2011;1-4 [**Impact Factor : 3.516**]
6. **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**].
7. **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**]
8. **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]
9. **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]**
- 10.**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]**
- 11.**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]**
- 12.**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]**
- 13.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]**
- 14.**T.Angeline**, G.Thiruvarutselvi, 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**

15.**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**.

16.Nirmala Jeyaraj, **T.Angeline**, A. Lourdhu 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**.

17.**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**.

PRESENTATIONS IN SEMINAR/CONFERENCES

- 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 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 September **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 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

- 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.

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].

MEMBERSHIPS

- Association of clinical Biochemists India
[Life membership no.2476/LM/JOUR]
- Indian Society of Human Genetics
[Life membership no.L/1690/2013]