

Name: Dr. K. Nithya, B.Sc., (Agri.), M.Sc., M.Phil., Ph.D (Biotechnology)

Designation: Assistant Professor

Department: Food Science and Nutrition

Date of Joining: 17-06-2019

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Educational Qualification:

Degree	Subject	College / University & Place	Year Completed
Ph.D.	Biotechnology	Lady Doak College, Madurai/ MKU	2019
M.Phil	Biotechnology	Lady Doak College, Madurai/ MKU	2013
M.Sc.	Biotechnology	Lady Doak College, Madurai/ MKU	2012
B.Sc.	Agriculture	Killikulam Agriculture College, Tirunelveli/ TNAU	2006
XII Std	Bio-Maths	PHNUSPPAM Higher Secondary School, Palamedu	2002
X Std	English	PHNUSPPAM Higher Secondary School, Palamedu	2000

Specialisation in Teaching: Biotechnology, Biochemistry and Immunology

Specialisation in Research: Molecular genetics, Food biotechnology and Clinical nutrition

Research Interests: Molecular Biology & Molecular Genetics

Other Work Experience

Designation	Institution / Company	Year - From (month/year) To (month/year)
Project Fellow	UGC-Major Research Project F.No.- 43-577/2014(SR) Lady Doak College	3 Years 2015-2018

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

Positions held / currently holding	Year - From (month/year) To month/year)
Assistant Professor	June 2019 to Till Date

Research Publications:

1. Neelaveni Rajendran, **Nithya Kamatchi**, Abirami Periyasamy & Vasantha Solomon. DNA-interaction, antibacterial and in vitro cytotoxic properties of copper(II) complexes bearing (E)-2-(2-(benzo[d]thiazol-2-ylthio)-1-phenylethylidene)thiosemicarbazone and diimine co-ligands. Journal of Coordination Chemistry. 2020: 1-17. DOI: 10.1080/00958972.2020.1751830. **Impact Factor: 1.38**
2. **Nithya K**, Angeline T, Priscilla AS, Asirvatham AJ. Prevalence of Glutamate Carboxypeptidase II C1561T, Reduced Folate Carrier I A80G and Methionine Synthase A2756G gene polymorphisms in patients with Type 2 Diabetes Mellitus among south Indians. Asian J Pharm Clin Res. 2019:12; 170-175. DOI:10.22159/ajpcr.2019.v12i12.35656. **Impact Factor: 0.655**
3. Rajendran N, Abirami P, **Nithya K**, Vasantha S. Biological evaluation of copper (II) complexes on N (4)-substituted thiosemicarbazide derivatives and diimine co-ligands using DNA interaction, antibacterial and in vitro cytotoxicity. Journal of Coordination Chemistry. 2019: 72; 1937-1956. **Impact Factor: 0.665**
4. Rajendran N, **Nithya K**, Vasantha S. Biological efficacy of mixed ligand copper (ii) complexes of n (4)-substituted thiosemicarbazone and diimine co-ligands as chelating n, n'-donor ligand. Asian J Pharm Clin Res. 2019:12(7): 280-285. **Impact Factor: 0.655**
5. **Nithya K**, Isabel W, Angeline T, Priscilla AS, Asirvatham AJ. Association of MTHFR A1298C gene variant, DNA damage and Total Antioxidant Status with the risk of Type 2 diabetes mellitus and its complications. Asian J Pharm Clin Res. 2018:11; 344-348. **Impact Factor: 0.655**
6. **Nithya K**, Isabel W, Angeline T, Priscilla AS, Shakila H, Asirvatham AJ. MTHFR C677T gene polymorphism in type 2 diabetes mellitus patients with and without

vascular complications: A case-control study. *Meta Gene*. 2017; 14; 79-84. **Impact Factor: 0.625**

7. **Nithya K**, Isabel W, Angeline T, Priscilla AS, Asirvatham AJ. Assessment of DNA strand breaks and total antioxidant status in type 2 diabetic patients with and without complications- A case-control study. *Asian J Pharm Clin Res*. 2017:430-434. **Impact Factor: 0.655**
8. **Nithya K**, Angeline T, Isabel W, and Asirvatham AJ. “SOD1 Gene +35A/C (exon3/intron3) Polymorphism in Type 2 Diabetes Mellitus among South Indian Population. *Genetics Research International*. 2016, 1- 5. **Impact Factor: 1.34**
9. Lourdhu Mary A, **Nithya K**, Isabel W, and Angeline T. Prevalence of Catalase (-21 A/T) Gene Variant in South Indian (Tamil) Population. *BioMed Research International*. 2014. **Impact Factor: 2.197**
10. **Lourdhu Mary A**, Isabel W, Jose Heavena P, **Nithya K** and Jebasingh Dr. Assessment of catalase Activity in Oesophageal Cancer-a Case Control Study. *International journal of scientific research* 2013; 2(5): 481-482. **Impact Factor: 0.10**

Conference / Seminar Presentations:

1. Paper presentation at **World congress on Cardiac Sciences** held on 28th & 29th November 2018 in Indian Institute of Science, Bengaluru.
2. Paper presentation at 49th Aqua-Terr Conference on Biological Sciences, February 27-28, 2018 in Madurai Kamaraj University, Madurai.
3. Paper presentation at **National conference** on Healthcare and Biotechnology in India: Emerging Trends and Challenges, August 17th & 18th, 2017 in Thanjavur.
4. Poster presentation at **International Symposium** on Trends in Human Genetic Research & Management, March 2-4, 2017 in Bangalore.
5. Paper presentation at **National Seminar** on Emerging Trends in Biological Research, September 16th & 17th, 2014 at Lady Doak College in Madurai.

Lectures / Talks given:

1. National level workshop on ‘**Recent Trends in Molecular Biology and Bioinformatics**’ held at Lady Doak College, Madurai (5th to 7th January, 2017)

2. Hands-on training in ‘**Techniques in Molecular Biology**’ -2015 held at Lady Doak College, Madurai (2nd to 4th December, 2015)

Awards / Fellowships:

Young Scientist Award received from Science Father, 2nd International Research Awards on Science, Health and Engineering, 18-19 April 2020.

Academic Credentials:

1. **Smart Killies Medal** for highest OGPA during the academic year 2003-2004 (9.13/10.00)
2. **Ilangovan Endowment Medal** for highest marks in Engineering courses during the year 2006.
3. **Pioneer Batch Medal** for highest GPA during final B.Sc., (Agri).
4. **Charms Endowment Medal** for highest marks in Agricultural Microbiology.
5. **NSS Certificate** during 2002-2004 in III B.Sc. Agriculture.
6. **Form-3 Certificate** for participation in Kho-Kho Tournament held at Banasthali Vidyapith Rajasthan during 2004.
7. Certificate for **Personal Meritorious Achievement** during II M.Sc Biotechnology.
8. Certificate of **Merit for proficiency** in Elective forensic science during the year 2010-2011.
9. Certificate of **Merit for proficiency** in Major optional during the year 2011-2012.
10. Rank Certificate for **second rank** in Major – Biotechnology.

Other Activities:

Participation in workshop/seminar/conferences:

1. Participated in International Golden Joubilee Seminar on **Emerging trends in food processing technology-20** by Department of Food Processing Technology, Arul Anandar College, Karumathur, Madurai held on 1st January, 2020.
2. Participated in the State Level Seminar on “**Opportunities and Challenges in the Emerging Spaces of Higher Education**” held on 4th September, 2019.
3. Participated in the IPR and Patents: Prospects and challenges, PG and Research department of Zoology, Lady Doak College, Madurai held on 30th July, 2019.

4. Participated in the National Workshop on “**Network Biology**” held on 27th-28th of February, 2019.
5. Participated in the One day Lecture series on “**Wild Life-Past, Present and Future**” held on 20th September, 2018.
6. Participated in the Two days workshop on “**Excel and SPSS**” on January 8-9, 2018.
7. Participated in the One day Lecture series on “**Nanotechnology: New perspectives in Biomedical Applications**” held on 2017.
8. Participated in the “**One day seminar on Conserve today for a better tomorrow**” held on 2016.
9. Participated in the Seminar on “**Global Threat of Communicable & Non-Communicable Diseases with reference to Women’s Health**” held on 2012.
10. Participated in the Prof. Whitin Endowment Lecture series cum National Seminar on “**Global Threat of Communicable & Non-Communicable Diseases**” held on 2011.