

Name : Dr.S.Kokila

Designation : Associate Professor & Head

Department : Clinical Laboratory Technology

Qualification :M.Sc., M.Phil., MBA PhD

Experience : Teaching: 19 Years 8 months

Area of Specialization(s) : Enzymology and Clinical Biochemistry

Email (Official ID) : kokila@drngpasc.ac.in



Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D.	Biochemistry	PSG College of Arts and Science, Coimbatore	2022
MBA	HR Management	Periyar University	2009
M.Phil.	Biochemistry	Avinashilingam University, Coimbatore	2005
M.Sc.	Biochemistry	Avinashilingam University, Coimbatore	2004
B.Sc.	Biotechnology & Biochemistry	Avinashilingam University, Coimbatore	2002

Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
M. Phil.	2	-

Research Publications (Indexed)

INTERNATIONAL JOURNALS

- **S. Kokila**, Dharshini. J, S. Jeevadarini, M. Gowsalya, C. Hemalatha, Extraction of nattokinase enzyme from *Pseudomonas* spp. isolated from goat milk and evaluation of thrombolytic activity *in vitro*, Journal of Xidian University, Volume 18, Issue 6, 2024, pp 1142-1153, ISSN No:1001-2400, <https://doi.org/10.5281/Zenodo.12515346>

- C. Hemalatha, **S. Kokila** & V. Abirami, Formulation and Evaluation of Herbal Cream using *Beta vulgaris* and *Aloe barbadensis*, Journal of University of Shanghai for Science and Technology, Volume 26, Issue 5, May – 2024, pp 96-101, ISSN: 1007-6735
- **Subbaian Kokila** and Balliah Ragavan, Effect of *Kaempferia galanga* rhizome extract on haematological parameters in streptozotocin induced Diabetic Wistar rats, International Journal of Pharmaceutical Sciences and Drug Research, 2020.
- K. Nithya, N. Rosheni, S. Brindha, S. N. Nishmitha Elango, V. Gokila, **S. Kokila**, Anticataract Activity of *Abutilon hirtum* on Glucose Induced Cataract in Goat Eye Lens, Int. J. Pharm. Sci. Rev. Res., Vol.38, No. 27, pp.145-148. June 2016, ISSN 0976 – 044X

NATIONAL JOURNALS

- **Kokila S**, Hemalatha C, Dhivya Prabha M, Jeyasri M, Rathnamma B, Antioxidants and Characterization of stability and organoleptic properties of Fruit peel face pack, Communication and Management Journal, 2024, Vol.9, Issue 6, pp298-304, ISSN:2269-7195
- **Kokila Subbaian** and Ragavan Balliah, Antihyperlipidemic effect of *Kaempferia galanga* in streptozotocin-induced diabetic rats, Drug Invention Today, Vol 14. Issue 3. 2020.
- **S. Kokila**, R. Bhuvaneshwari, GP. Jeyanthi, Mutagenicity of zinc electroplating industry effluents and genotoxicity in lymphocytes of zinc electroplating industry workers, Journal of Industrial Pollution Control, Vol. 21 No.2, pp.243-250. 2005.
- N. Rosheni, K. Nithya, S. Brindha, N. Elango, V. Gokila, S. Nishmitha and **S. Kokila** Evaluation of anticataract potential of *Abutilon indicum* : An *in vitro* study, Indian J.Sci.Res., Vol.7, No.1, pp. 81-84. 2016, ISSN : 0976-2876 (Print), ISSN : 2250-0138 (Online)
- **S. Kokila**, T. Arunkumar , Biodegradation of Azo dye using *Bacillus flexus*, *Malaya Journal of Biosciences*, Vol.1, pp.46-48. 2014,
- **S. Kokila**, T. Arunkumar, Biodegradation studies on Azo dye by using *Pseudomonas aeruginosa*, , Eduved International Journal of Interdisciplinary Research, Vol.1, Issue 5, pp. 9-12. 2014.
- **S. Kokila**, T. Arunkumar, Effect of dyeing industry effluent on the growth of *Vigna radiata*, The International Journal on Recent Trends in Life Science and Mathematics (IJLSM), Vol. 2, No.3, pp. 10-15. March, 2014.

- T. ArunKumar, **S Kokila**, Biodegradation of textile dye using bacteria, Indian Journal of Scholarly Research, 2013 (ISSN: 2278-8271).
- S. Jayanth, **S. Kokila** (2012), Effect of dye industry effluent on the growth of *Cicer arietinum* and *Trigonella foenum*, Wide Spectrum Research Journal, Vol.1, No.5, pp. 45-50. ISSN: 2250-2815.
- K. Sri Jeevan, **S. Kokila**, Anti-inflammatory and membrane stabilizing potential of ethanolic floral extract of *Calendula officinalis*, Wide Spectrum Research Journal, Vol.1, No.12, pp 73-77. 2013, ISSN: 2250-2815.
- VK. Shamna, **S. Kokila** (2013), Evaluation of *in vitro* cytotoxic effect of endosulfan in human peripheral lymphocytes, Wide Spectrum Research Journal, Vol.2, No.1, pp 5-11. ISSN: 2250-2815.
- C Nimmy and **S Kokila**, Hepatoprotective effect of leaf, bark and root extracts of *Andrographis paniculata*, Wide Spectrum Research Journal, Vol.2, No.2, pp. 41-44. 2013, ISSN: 2250-2815.
- **S. Kokila**, K. Sreejeevan, A study on antibacterial and anti- inflammatory activity on ethanolic floral extract of *Nyctanthes arbortristis*, Wide Spectrum Research Journal, Vol.2, No.3, pp. 68-72. 2013, ISSN: 2250-2815.
- J. Puthuserry, **S. Kokila**, Antidiabetic activity of ethanolic extract of *Cissus quadrangularis* stem in alloxan induced Wistar albino rats, Wide Spectrum Research Journal, Vol.2, No.4, pp. 42-48. 2013, ISSN: 2250-2815
- **S.Kokila**, A review on probiotics with special reference to Lactobacillus, Wide Spectrum Research Journal, Vol.3, No.9, pp. 52-59. 2015, ISSN: 2250-2815.

Book Chapters

- “Computational biology Research and Applications”, Bioinformatics Approaches and Applications in Plant Biotechnology, Royal Book Publishing – International (Eleyon publishers), ISBN No: 978 93 95423 24 3.
- Role of Phytochemistry in Cancer Prevention, “Emerging Trends In Therapeutic Agents from Medicinal Plants”, ISBN 9788196618377

Presentations in Conference

Indigenous Medicinal Plants and Chemistry, Proceedings of the ICSSR, New Delhi sponsored National Seminar on "Integration of Traditional Indian Knowledge System into Modern Higher Education: NEP Perspective (ICSSRIKS2024)" ISBN:978-81-971000-5-5

Molecular diagnosis of Mycobacterial identification, XVI Louis Pasteur National Symposium on novel diagnostic and drug development strategies for infectious diseases (NDID – 2024), Dr.N.G.P. Arts and Science College, ISBN: 978-81-962322-5-2, 22 February and 23 February - 2024.

Biodegradation of Textile Dye using Bacteria” in the IEEE- International Conference on Research and Development Prospects on Engineering and Technology (IEEE-ICRDPET-2013). E.G.S Pillay Engineering College, Nagapattinam, 29-Mar-13 to 30-Mar-13.

Mutagenicity of Zinc plating industry effluent and genotoxicity in plating industry workers” in a National Seminar on Biotechnology Institute-Industry Interaction conducted by Bannari Amman Institute of Technology, Sathyamangalam on 19-Feb-10 to 20 –Feb-10

Hematological Parameters as Indices to Detect Hazards of Metal Pollution on Human Health” in National Conference On “Technological Advancement In Clinical Biochemistry”, held at Karpagam Arts And Science College, Coimbatore on October, 2004

Publications in Conference Proceedings

- **Evaluation of *in vitro* anticataract activity of *Cyperus scariosus* on glucose induced goat lens**, International conference on Translational Research Towards attaining good health and wellbeing for sustainable development at Dr. N.G.P Arts and Science College, ISBN-978-81-971000-2-4, 7, March 9, 2024.
- **Radiation Safety and Protection for patients and Health care workers**, National Seminar on Novel materials for Sustainable energy Development and Radiation Measurements on Feb 29, 2024 at Dr. N.G.P Arts and Science College, ISBN- 978-81-969836-2-8, 49.
- **Identification of bacteria in urine of UTI patients and antibiotic sensitivity assay in *Ceiba pentendar* and *Clitoria ternatea***, XIV Louis Pasteur International Symposium on role of Multidisciplinary Research in Microbiology for sustainable development (RMSD - 2023), Dr.N.G.P. Arts and Science College, ISBN: 978-81-962322-5-2, 09 - March- 23
- **Synthesis of silver nanoparticles using leaf of *Cucurbita moschata* and evaluation of antibacterial activity**, International Conference on Recent development in computational and Biological Sciences (ICRDCBS 2023), Sri Ramakrishna College of Arts and Science for Women, ISBN:978-93-5759-836-1,10 - March- 23
- **Antibacterial potentiality and phytochemical analysis of leaf extract of *Cardiospermum helicacabum* (sapindaceae)**, National conference on Interdisciplinary Approaches on dynamics of Bioscience Research (IADBR-2023), Dr. N.G.P Arts and

Science College, ISBN: 978-81-96322-7-6, 28- March- 2023

- ***In vitro* anticataract activity of *Symplocos racemosa* on glucose induced goat eye lens**, International Conference on Confluence of Science and Technology (ICCST), PG and Research Department of Biochemistry, Bharathidasan College of Arts and Science, Erode, ISBN:978-93-5759-836-1,10 - Oct- 22.

Lab manual

B.Sc. CLT Biochemistry Lab Manual , 2022, ISBN 978-81-961895-2-5

Participation in Conference

International Level

World Record event titled “Longest Virtual Event on Vision 2030:Importance of enhancing life skills for reaching Higher Heights”, 18-June-21

International conference on Indian rural Public Health and Non communicable disease, Kovai Medical center and Hospital, 06-Apr-19.

National Level

DBT and ICMR sponsored National Conference on Translational scenarios in Biological sciences, Department of Microbiology, Dr.N.G.P. Arts and Science College, Coimbatore in association with Indian Association of Applied Microbiologists (IAAM). 09-Sep-16 to 10-Sep-16.

Participation in Seminars

- National Seminar on “Enzyme Technology” on 19-Feb- 09 to 20-Feb-09.
- Application of SPSS in project analysis, a Faculty Development Programme” on 01-Jul-09.
- One day Workshop on Exploring science through Bioinformatics tools organised by Dept. of Bioinformatics, Dr.GRDCS on 25-Jul-09
- Faculty Development programme on “Teaching to Teachers and Research to Researchers”, organized by ED Cell and GRD School of IT, Dr.GRDCS. 24-Aug-09 to 29-Aug-09.
- The role of Siddha and Ayurvedha medicines in geriatric care, conducted by School Of Biosciences, Dr.G.R.D.C.S, 19-Oct-09 to 20-oct-09.
- Developments in deterrent drug formulation against microbial infections - in Microbial technology mt-09, G.R.Damodaran College of Science, Coimbatore, 2009.

- Biotechnology Industry- Institute Meet, Bannari Amman Institute of Technology, 19-Feb-10 20-Feb-10.
- Participated in National Seminar on Human Pathogens, School Of Biosciences, Dr.G.R.D.C.S, 31-Mar-2010.
- Microbial Diagnostics conducted by Department of Microbiology,18-Mar-10.
- The Applications of Chromatography for Bioscience Explorations Related to Defense Research sponsored by the ER & IPR Division, DRDO, Ministry of Defense, Govt. of India, Dr. G.R. Damodaran College of Science, Coimbatore.5-Dec-12 to 7-Dec-12.
- Microlevel Women Entrepreneurship in Biotechnology Applications, The School of Biotechnology, Dr GRDCS, 5-Feb -16 to 6-Feb-16.

Participation in Workshop

- Participated in IARP Sponsored One Day National Workshop on Beneficial Applications of Radiation Technology & Indian Nuclear Energy Programme, at KMCH Institute of Allied Health Science, Coimbatore on Aug 31, 2023.
- Attended two day capacity building programme on Drug abuse Prevention under NAPDDR conducted by Bharathiar University on Feb-27 & 28, 2023.
- Recent Advances in Biological Sciences, Bharathidasan College of Arts and Science, Erode 12-Sep-17 to- 13-Sep-17.
- National Workshop on Quality Enhancement in HEIs by the effectiveness of Academic and Administrative Audit, by S.N.R. Sons College, Coimbatore, 21-Oct-16 to 22-Oct- 16.
- Analysis of biomolecules through molecular techniques” (sponsored by CSIR) by Dr. Sandeep Goel, CCMB, Hyderabad organized by School of Biosciences, 29-Jul-11.
- Science Academies, Lecture Workshop on Prospects and Future Challenges in Plant Biotechnology, Dr G R Damodaran College of Science, Coimbatore, 28-Mar-11 to 19-Mar-11.
- Process Optimization in Animal Cell Culture, Dr. G.R. Damodaran College of Science, Coimbatore.18-Aug-10 to 19-Aug-10.
- Antibody Purification" Dr. G.R. Damodaran College of Science, Coimbatore, 24-Sep-2011
- Clinical Research and Clinical Data Management, in collaboration with IOCB, Bangalore on 14-Mar-08 to 18-Mar-08.

Participation in Faculty Development Programme

- Empowering education for Innovation- A NEP Perspective at Dr. N.G.P. Arts and Science, Coimbatore 30th June -4th July 2023.
- Research Methodology and Pedagogy for Tertiary Education, Dr. N.G.P. Arts and Science, Coimbatore, 15-Jun-2021 to 21-Jun-2021.
- Bio python - Spoken Tutorial Free Open Source Software, Dr. N.G.P. Arts and Science Coimbatore, 04-May-2020 to 10-May-2020.
- Digital Teaching Techniques, ICT Academy, 03-Aug-2020 to 08-Aug-2020
- Teaching Learning Enhancement, Dr. N.G.P Arts and Science, Coimbatore, 11-Nov-19 to 20-Nov-19
- Quality measures in Higher Education, Dr.NGP. Arts and Science College, Coimbatore, 3-Dec-19 to 09-Dec-19.
- NAAC Revised Accreditation Framework and OBE assessment methodology”, Dr.NGP Arts and Science, Coimbatore, 27- May-19 to 02-Jun-19.
- Data Management and Statistical Analysis using SPSS, Dr.NGP arts and Science College, Coimbatore, 27-Jan-20
- Teaching to teachers and Research to researchers-, Dr GRDCS, 24-Aug-09 to 25-Aug-09
- Internal Quality Assurance Cell, Dr GRDCS, Coimbatore, Jan-16.
- Application of SPSS in project analysis, a Faculty Development Programme, Dr GRDCS, 1-Jul-09.

Conference / Seminar / Workshop Organized

- Convener, International conference on Translational Research Towards attaining good health and wellbeing for sustainable development on March 9, 2024 at Dr. N.G.P Arts and Science College.
- Organizing Secretary for National Seminar on Novel materials for Sustainable energy Development and Radiation Measurements on Feb 29, 2024 at Dr. N.G.P Arts and Science College.
- Convener, National conference on Interdisciplinary Approaches on dynamics of Bioscience Research (IADBR-2023), Dr. N.G.P Arts and Science College, March- 2023
- Convener, One day National Level Workshop on Advanced Artificial Intelligence (AI) Methods in Breast Cancer Diagnosis and Clinical Research, Department of Computer science with cognitive systems & Clinical Laboratory Technology Sponsored by ICMR, Dr. N.G.P Arts and Science College, 26-Nov-2022
- Organizer, Webinar on Awareness on Clinical Research and Career Opportunities, Clinical Lab Technology, Dr. N.G.P Arts and Science College, 28-Sep-2021

- Organizer, Webinar on Nutrition Oncology, Clinical Lab Technology, Dr. N.G.P Arts and Science College, 14-Jun-2021
- Organizer, Webinar on Pharmaceutical Entrepreneurship, Clinical Lab Technology, Dr.N.G.P Arts and Science College, 14-Jun-2021
- Convener, National Workshop on Big Data Analytics in Clinical Research (BDACR -21), 18-Mar-2021 to 19-Mar-2021
- National Conference on Futuristic Approaches in Transformation of Bioscience Research, Dr. N.G.P. Arts and Science College, Coimbatore, 6-Mar-20 to 7-Mar 20.
- PCR and its Applications in disease Diagnosis, Department of Clinical Lab Technology, Dr.N.G.P Arts & Science College, 12-Oct-17.
- State – Level Workshop on Scientific Writing, Department of Clinical Lab Technology, Dr. N. G. P Arts and Science College, 26-Feb-16.
- Workshop on Junction of bio experts for School Teachers, Dr. G R Damodaran College of Science, Coimbatore 28-Dec-11.
- Coordinator for a workshop cum Hands on Training programme on process optimization on animal Cell culture, Dr.GR Damodaran College of Science, Coimbatore, 18-Aug-10 to 19-Aug-10.
- Organized Two Day National Seminar on Enzyme Technology, Dr.GR Damodaran College of Science, Coimbatore, 19-Feb-09 to 20-Feb-09.

Invited Speaker / Session Chair- Conference / Seminar / Workshop

Session Chair in evaluating oral presentation in XVI Louis Pasteur National Symposium on novel diagnostic and drug development strategies for infectious diseases (NDID – 2024), Dr.N.G.P. Arts and Science College, ISBN: 978-81-962322-5-2, 22 February and 23 February – 2024

Invited Speaker, Lecture on “Blood Donation” at Dr. N.G.P. College of Education, Coimbatore on 8 - Oct-21

Invited Speaker, Lecture on Cancer Preventive Measures at Dr. N.G.P. Arts and Science College, Coimbatore on 4-Feb-20

Editorial / Review Board Member

Contribution to CSIR-UGC JRF/ NET/SET –Life Sciences Study material (ISBN- 978 - 81 - 927355 - 3 – 5): Diversity of life forms, Chapter 9, Vol. II, pp. 411-65.

Patent Publication

Development of Bio-antidandruff Shampoo based on herbal source *Mangifera indica* kernel and protein source collagen, Feb 23, 2024. Application No. 202441002669A dated 13.01.2024.

