

Name : Dr.Kokila.S
Designation : Associate Professor & Head
Department : Clinical Laboratory Technology
Qualification : M.Sc., M.Phil., MBA. Ph D
Experience : Teaching – 20 years
Specialization: Clinical Biochemistry and Enzymology
Email (Official) : kokila@drngpasc.ac.in



Academic Qualifications

| Degree | Branch | Institution / University Name | Year |
|---------|------------------------------|---------------------------------|------|
| Ph.D. | Biochemistry | PSG College of Arts and Science | 2021 |
| MBA | HR Management | Periyar University | 2009 |
| M.Phil. | Biochemistry | Avinashilingam University | 2006 |
| M.Sc. | Biochemistry | Avinashilingam University | 2004 |
| B.Sc. | Biotechnology & Biochemistry | Avinashilingam University | 2002 |

Additional Qualifications

| Dip. / Cert. | Area of Specialization | Institution / Agency Name | Year |
|--------------|--------------------------------|---------------------------|------|
| Certificate | Human Reproduction | Infosys Springboard | 2024 |
| Certificate | Molecular basis of inheritance | Infosys Springboard | 2024 |
| Certificate | Evolution | Infosys Springboard | 2022 |

Patent

| Title | Status | Year |
|---|-----------|------|
| Development of Bio-antidandruff Shampoo based on herbal source <i>Mangifera indica</i> kernel and protein source collagen | Published | 2024 |

Research Guidance

| Programme | No. of Scholars | |
|-----------|-----------------|----------|
| | Awarded | Pursuing |
| M. Phil. | 2 | - |

Research Publications

- S. Kokila, Dharshini. J, S. Jeevadharini, 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
- 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
- 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.
- Kokila Subbaian and Ragavan Balliah, **Antihyperlipidemic effect of *Kaempferia galanga* in streptozotocin-induced diabetic rats**, Drug Invention Today, Vol 14. Issue 3. 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
- 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.
- 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.
- T. ArunKumar, S Kokila, **Biodegradation of textile dye using bacteria**, Indian Journal of Scholarly Research , 2013 (ISSN: 2278-8271).
- 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. 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.

- 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.

Books/ Book Chapters Publication

- “Computational biology Research and Applications” Bioinformatics Approaches and Applications in Plant Biotechnology, Royal Book Publishing – International (Eleyon publishers), 2024, ISBN No: 978-93-95423-24-3.
- “Role of Phytomedicine in Cancer Prevention” Emerging Trends in Therapeutic Agents from Medicinal Plants, Dr. Thiruselvi. M, Dr. Kokila. S, Dr. Anbalagan. K and Dr. Sasikala. S, ACTA Classic Publishers, 2024, ISBN:978-81-966183-7-7
- 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. 411-465.

Presentations in Conference/ Seminar

- **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), Dr.N.G.P. Arts and Science College, Coimbatore
- **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, Coimbatore, 22 Feb-24 to 23- Feb - 24.
- **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**”, National Seminar on Biotechnology Institute-Industry Interaction, 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”, Karpagam Arts and Science College, Coimbatore, Oct- 2004

Publications in Conference Proceedings

- Evaluation of *in vitro* anticataract activity of *Cypersus scariosus* on glucose induced goat lens, International conference on Translational Research Towards attaining good health and wellbeing for sustainable development, Dr. N.G.P Arts and Science College, Coimbatore, ISBN-978-81-971000-2-4, 7, 9-Mar-24.
- Radiation Safety and Protection for patients and Health care workers, National Seminar on Novel materials for Sustainable energy Development and Radiation Measurements, Dr. N.G.P Arts and Science College, Coimbatore, 29- Feb-24.
- 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, Coimbatore, 09 - Mar- 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, Coimbatore,10 - Mar- 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, Coimbatore, 28- Mar -23

- *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, 10 - Oct- 22.

Participation in Conference/Seminar

- World Record event titled “Longest Virtual Event on Vision 2030: Importance of enhancing life skills for reaching Higher Heights”, 18-Jun-21
- International conference on Indian rural Public Health and Non communicable disease, Kovai Medical center and Hospital, 06-Apr-19.
- 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.
- National Seminar on “Enzyme Technology” on 19-Feb- 09 to 20-Feb-09.
- The role of Siddha and Ayurvedha medicines in geriatric care, 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.
- National Seminar on Human Pathogens, G.R.Damodaran College of Science, Coimbatore, 31-Mar-2010.
- Microbial Diagnostics G.R.Damodaran College of Science, Coimbatore, 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, Dr. G.R.Damodaran College of Science, Coimbatore, 5-Feb -16 to 6-Feb-16.

Participation in Orientation Programme / Short Term Courses

UGC - Sponsored Online Short Term Course on "Research Methodology" (Sciences), UGC - Malaviya Mission Teacher Training Centre, Bharathiar University, 06-Aug-25 to 12-Aug-25

Participation in Faculty Development Programme

- Molecular Docking and Green Toxicology (MDGT'25), Iyarvi Research Center for Bioinformatics , 5-june-25 to 9-Jun-25.
- Digital Marketing Professional Program, Infosys Springboard, 7-May-25
- Empowering Education for Innovation – A NEP Perspective, Dr. N.G.P. Arts and Science, Coimbatore, 30- Jun-23- to 04- Jul--23
- Workshop on Digital creativity skills- Adobe academic essentials, Dr. N.G.P. Arts and Science, Coimbatore 20-Jul-23
- Research Methodology and Pedagogy for Tertiary Education, Dr. N.G.P. Arts and Science, Coimbatore, 15-Jun-2021 to 21-Jun-21.
- Bio Python - Spoken Tutorial Free Open-Source Software, Dr. N.G.P. Arts and Science Coimbatore, 04-May-20 to 10-May-20.
- Digital Teaching Techniques, ICT Academy, 03-Aug-20 to 08-Aug-20
- 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.N G P arts and Science College, Coimbatore, 27-Jan-20
- Teaching to teachers and Research to researchers, Dr GRDCS, Coimbatore 24-Aug-09 to 25-Aug-09
- Internal Quality Assurance Cell, Dr GRDCS, Coimbatore, Jan-16.
- Application of SPSS in project analysis, Dr GRDCS, 01-Jul-09.

Participation in Workshop

- **Exploring science through Bioinformatics tools**, Dr.GRDGS, Coimbatore, 25-Jul-09
- **Beneficial Applications of Radiation Technology & Indian Nuclear Energy Programme**, KMCH Institute of Allied Health Science, Coimbatore on Aug 31, 2023.
- **Drug abuse Prevention**, NAPDDR, Bharathiar University on 27-Feb-23 & 28-Feb-23.
- **Recent Advances in Biological Sciences**, Bharathidasan College of Arts and Science, Erode 12-Sep-17 to- 13-Sep-17.
- **Quality Enhancement in HEIs by the effectiveness of Academic and Administrative Audit**, S.N.R. Sons College, Coimbatore, 21-Oct-16 to 22-Oct- 16.
- **Analysis of biomolecules through molecular techniques**, Dr.GRDGS, Coimbatore, 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-11.
- **Clinical Research and Clinical Data Management**, Dr.GRDGS, Coimbatore 14-Mar-08 to 18-Mar-08.

Conference / Seminar / Workshop Organized

- Convener, International conference on Translational Research Towards attaining good health and wellbeing for sustainable development, Dr. N.G.P Arts and Science College, Coimbatore, 9-Mar-24
- Organizing Secretary, National Seminar on Novel materials for Sustainable energy Development and Radiation Measurements, Dr. N.G.P Arts and Science College, 29-Feb-24
- Convener, National conference on Interdisciplinary Approaches on dynamics of Bioscience Research (IADBR-2023), Dr. N.G.P Arts and Science College, March- 23
- 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-22

- Organizer, Webinar on Awareness on Clinical Research and Career Opportunities, Clinical Lab Technology, Dr. N.G.P Arts and Science College, 28-Sep-21
- Organizer, Webinar on Nutrition Oncology, Clinical Lab Technology, Dr. N.G.P Arts and Science College, 14-Jun-21
- Organizer, Webinar on Pharmaceutical Entrepreneurship, Clinical Lab Technology, Dr.N.G.P Arts and Science College, 14-Jun-21
- Convener, National Workshop on Big Data Analytics in Clinical Research (BDACR - 21), 18-Mar-21 to 19-Mar-21
- Convener, 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.
- Organizer, PCR and its Applications in disease Diagnosis, Dr.N.G.P Arts & Science College, 12-Oct-17.
- Convener, State – Level Workshop on Scientific Writing, Department of Clinical Lab Technology, Dr. N. G. P Arts and Science College, 26-Feb-16.
- Convener, Workshop on Junction of bio experts for School Teachers, Dr. G R Damodaran College of Science, Coimbatore, 28-Dec-11.
- Coordinator, 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.
- Convener, 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/ Reviewer

Session Chair, 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, 22-Feb-24 to 23- Feb –24.

Invited Speaker, Guest Lecture on Blood Donation, Dr. N.G.P. College of Education, Coimbatore, 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 / Reviewer Board Member

Editor, Scientiarum: A multidisciplinary journal since 2024

Reviewer, Arabian Journal of Medicinal and Aromatic plants, since 2024

Reviewer, Asian Journal of research and reports in Endocrinology, 2024

Membership in Professional Bodies

| Name of the Professional Body | Nature of membership | Duration |
|---|-----------------------------|-----------------|
| Internet Society | Life-time | - |
| Merlot | Life-time | - |
| Society for Environment and sustainable development | Life -time | |