



Name : Dr. K. Anbalagan
Designation : Assistant Professor
Department : Clinical Lab Technology
Qualification : M.Sc., Ph.D.
Experience : Teaching: 3.10 Years Industry:- Research: - 8 Years
Area of Specialization(s) : Biochemistry, Biotechnology, Microbiology, Nanobiotechnology and Renewable Energy
Email (Official ID): anabalagan@drngpasc.ac.in

Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D.	Biotechnology	BIT Campus, Anna University	2017
MSC	Biochemistry	Meenakshi Ramasamy Arts and Science Collage	2005
BSC	Biochemistry	Rev. Jacob Memorial Christion Collage	2002

Research Publications (Indexed)

International

G. Velmurugan, S Mohanraj, J. Christy Yacob, S Keppanan, B.Rekha, K. Anbalagan, S. Shanmugarajan, S. Boopathi, A. Anitha, P. Ayyapparaja RS. Tamilselvan, M.Gopalakrishnan, J. Veerappan, D.Vithya, S Vaithilingam, P. Priyadharshini, C.Sumathi, J. Pandiyan, S.Vijaya Samoondeswari, K. Annathurai, S Vengatachalam, G. Arivuruvone, S Kaliyaperumal, G. Velsamy, S. Kannan, S. Ramasamy and K. Swaminathan, **Association of Agriculture Occupational Exposure With Diabetes and Cardiovascular Risk Factors in South Indian Villages: REDSI Study**, *Frontiers in cardiovascular medicine*, Vol.8,pp1-8, ISSN 2297-055X, (Indexed in SCOPUS).

M. Rengasamy, S. Mohanraj, K. Anbalagan, V. Pugalenti, **Synthesis of maghemite nanoparticles, biodiesel and hydrogen: One pot sequential reactions**, *Applied Catalysis A, General*, Vol. 546, pp. 22-29. September 2017, ISSN: 0926-860X, (Indexed in SCOPUS).

S. Mohanraj, K. Anbalagan, P. Rajaguru, Pugalenti, V, **Effects of phytogetic copper nanoparticles on fermentative hydrogen production by *Enterobacter cloacae* and *Clostridium acetobutylicum***, *International Journal of Hydrogen Energy*, Vol. 41, no. 25, pp. 10639-10645. 6 July 2016 ISSN: 0360-3199, (Indexed in SCOPUS).

M. Rengasamy, K. Anbalagan, S. Kodhaiyolii, V. Pugalenti, **Castor leaf mediated synthesis of iron nanoparticles for evaluating catalytic effects in transesterification of castor oil**, RSC Advances, vol. 6, pp. 9261-9269, January 2016, ISSN: 2046-2069, (Indexed in SCOPUS).

K. Anbalagan, S. Mohanraj, V. Pugalenti, **Rapid phytosynthesis of nano-sized titanium using leaf extract of *Azadirachta indica***, International Journal of Chem Tech Research, vol.8, no. 4, pp. 2047-2052. 2015, ISSN: 0974-4290, (Indexed in SCOPUS)

S. Mohanraj, K. Anbalagan, S. Kodhaiyolii, V. Pugalenti, **Comparative evaluation of fermentative hydrogen production using *Enterobacter cloacae* and mixed culture: Effect of Pd (II) ion and phytogetic palladium nanoparticles**, Journal of Biotechnology, vol.192, Part A, no.20, pp. 87–95, December 2014, ISSN: 0168-1656, (Indexed in SCOPUS).

M. Rengasamy, K. Anbalagan, S. Mohanraj, V. Pugalenti, **'Biodiesel Production from *Pongamiapinnata* Oil using Synthesized Iron Nanocatalyst'**, International Journal of ChemTech Research, vol.6, pp. 4511-4516, 2014, ISSN: 0974-4290, (Indexed in SCOPUS).

Presentations in Conference

Phytofabrication of lead oxide nanoparticles using *Senna auriculata leaf extract*” in TEQIP II sponsored international conference on advances in biological, chemical and physical science, Bharathidasan Institute of Technology, Anna University, Thiruchirappalli, 13-Mar-17 to 15-Mar-17.

Enhanced biohydrogen production from glycerol using pretreated mixed culture, National Conference on Recent Advances in Bioenergy Research, Sardar Swaran Singh National Institute of Renewable Energy, Punjab, 22-Nov-13 to 24-Nov-13.

Photofermentative biohydrogen production, National Convention of National Renewable Energy Fellows held at Ministry of New and Renewable Energy, 06-Mar-13 to 07-03-13.

Participation in Conference

International

Advances in biological, chemical and physical science, Bharathidasan Institute of Technology, Anna University, Thiruchirappalli, 13-Mar-17 to 15-Mar-17.

Bio-energy from Wastes: Green chemistry intervention at National Environmental Engineering Research Institute, Nagpur, 25-Nov-2010 to 26-Nov-10.

National

National Conference on Recent Advances in Bioenergy Research, SSNRE, Punjob, 22-Nov-13 to 24- Nov-13

Participation in Seminars

National Seminar on Intellectual Property Rights and Biotechnology, Bharathidasn Institute of Technology, Anna University, Thiruchirappalli, on 22-Feb-13.

Research Methodology, Bharathidasn Institute of Technology, Anna University, Thiruchirappalli, 27-Aug-11.

Participation in Workshop

Health Risk Assessment of Nanoparticles, Dr.NGP.Arts and Science, Coimbatore, 5-Dec-18 to 7-Dec-18.

TEQIP II Sponsored Two Days Workshop on Advances in Biotechnology, Bharathidasan Institute of Technology, Anna University, Thiruchirappalli, 16-Mar-16 to 17-Mar-16.

Science Academies Sponsored Two Days Lecture Workshop on Advances in Material Chemistry, Bharathidasan Institute of Technology, Anna University, Thiruchirappalli, 07-Mar-14 to 08-Mar-14.

TEQIP Sponsored Theme Workshop on Emerging Trends in Environmental Biotechnology, National Institute of Technology, Surathkal, 12-Jan-09 to 14-Jan-09.

Participation in Faculty Development Programme

Faculty Development Programme on Framework for Internet of Things (IoT) Applications 21- 24-Sep- & 28-30-Sep-21

Innovation Ambassador training (Foundation Level) conducted by MoE's Innovation Cell & AICTE during the period from 30- Jun-21 to 30- July- 21.

Online faculty development Programme on research methodology and pedagogy for tertiary education, organized by Dr. N.G.P. Arts and Science College, Coimbatore, 15-Jun-21 to 21-Jun-21.

Online Certificate course on Digital teaching techniques, organized by ICT Academy from 10-Aug 20 to 15 -Aug 20.

One Week FDP Programme on BioPython, Dr. N.G.P. Arts and Science College, Coimbatore, 04-May-20 to 10-May-20.

IIC Online Sessions conducted by Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi, 28-Apr-20 to 22- May-20.

One Week FDP Programme on Quality Initiatives In Higher Education, Dr. N.G.P. Arts and Science College, Coimbatore, 13-Apr-20 to 20-Apr-20.

Faculty development program on Teaching Learning Enhancement, Dr.NGP.Arts and Science, college, Coimbatore,11-Nov-19 to 20-Nove-19.

Faculty development program on Quality measures in Higher Education, Dr.NGP. Arts and Science college, Coimbatore, 3-Dec-18 to 9-12-18.

TEQIP II Sponsored Two week Faculty Development Programme on Comprehensive Approach of Biotechnological Applications, Bharathidasn Institute of Technology, Anna University, Thiruchirappalli, 16-Apr-15 to 29-Apr-15

TEQIP II Sponsored Two week Faculty Development Programme on Principles of Bioreactor Engineering, Bharathidasn Institute of Technology, Anna University, Thiruchirappalli, 16-Dec-13 to 22-Dec-13.

TEQIP II Sponsored One week Faculty Development Programme on Emerging Trends in Biotechnology, Bharathidasn Institute of Technology, Anna University, Thiruchirappalli, 19-Aug. 13 to 25-Aug-13

AICTE Sponsored Two week Faculty Development Programme on Fabrication of Sub – 100 nm Patterning of Biochips for Next Generation Health Care, Periyar Maniammai Univeristy, Thanjavur, 03-May-10 to 14-May-10.

Conference / Seminar / Workshop Organized

Committee member, National Conference on Futuristic Approaches in Transformation of Bioscience Research - (FATBR- 2020), Dr. N.G.P. Arts and Science College, Coimbatore, 06- Mar-20 to 07- Mar -20.

Awards / Honors

Awards / Honors	Agency / Institute	Year of Award
Junior and Senior Research Fellowship	Ministry of New and Renewable Energy	2010