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Department of Biotechnology, St. Joseph's College
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Academic Credentials

Ph.D in Biotechnology from the School of Life Science, Department of Biotechnology, Pondicherry Central University, India (2010-2016)

Ph.D thesis: Extraction, purification and characterization of phenazine derivatives from fluorescent pseudomonads and evaluation of their anticancer potential

Supervisor : **Prof. N. Sakthivel**

Month & Year : Oct-2010 to May 2016

Master's in Biotechnology from Loyola College, Chennai, India (2006-2008)

Bachelor's in Biotechnology from the Pondicherry University Community College, Puducherry, India (2003-2006)

Teaching Experience

Working as an Assistant Professor in Department of Biotechnology, St. Joseph College, Trichy-2 [16-06-2017 – Till Date]

Research Experience

Eighteen months research experience as JRF in a DBT funded project entitled "Identification of novel functional genes that encode antifungal metabolite from metagenome of soil microbiota" worked at Pondicherry University, Puducherry-605014. Year [2009-2010]

Publications

Kennedy RK, Naik PR, Veena V, Lakshmi BS, Lakshmi P, Krishna R and Sakthivel N (2015). 5-Methyl phenazine-1-carboxylic acid: A novel bioactive metabolite by a rhizosphere soil bacterium that exhibits potent antimicrobial and anticancer activities. *Chemico-biological interactions*, 231:71-82. **(Impact factor: 2.577)**

Kennedy RK, Veena V, Naik PR, Lakshmi P, Krishna R, Sudharani S and Sakthivel N (2015). Phenazine-1-carboxamide (PCN) from *Pseudomonas* sp. strain PUP6 selectively induced apoptosis in lung (A549) and breast (MDA MB-231) cancer cells by inhibition of antiapoptotic Bcl-2 family proteins. *Apoptosis*, 20:858-868. **(Impact factor: 3.592)**

Veena VK, Popavath RN, **Kennedy RK** and Sakthivel N (2015). *In vitro* antiproliferative, pro-apoptotic, antimetastatic and antiinflammatory potential of 2,4-diacetylphloroglucinol (DAPG) by *Pseudomonas aeruginosa* strain FP10. *Apoptosis*, 20:1281-1295. **(Impact factor: 3.592)**

Veena VK, **Kennedy RK**, Lakshmi P, Krishna R and Sakthivel N (2016). Anti-leukemic, anti-lung, and anti-breast cancer potential of the microbial polyketide 2, 4-diacetylphloroglucinol (DAPG) and its interaction with the metastatic proteins than the antiapoptotic Bcl-2 proteins. *Molecular and Cellular Biochemistry*, 414:47-56.(**Impact factor: 2.057**)

Book Chapter

Pathma J, **Kennedy RK** and Sakthivel N (2011). Mechanisms of fluorescent pseudomonads that mediate biological control of phytopathogens and plant growth promotion of crop plants. D.K. Maheshwari (ed.), *Bacteria in Agrobiolgy: Plant Growth Responses*, pp 77-105.

Review article

Pathma J, Rahul GR, **Kennedy RK**, Subashri R and Sakthivel N (2011). Secondary metabolite production by bacterial antagonists. *Journal of Biological Control*, 25 (3): 165-181.

Conferences/Seminars

Participated in International Seminar on “**Career options and Job Scenario on Life sciences**”, organized by Department of Biotechnology and Biochemistry, St. Josephs College, on 23rd August, 2017.

Participated in “**New Vistas in Biodiversity and Bioresources**”, organized by Department of Botany, St. Josephs College, on 2-4 August, 2017.

Participated in Dr.V.Balakrishnan Memorial CME programme on theme “**Contemporary Orthopedics**” held on 21-02-2018 at St. Joseph’s College (Autonomous).

Organized Lecture series on “**Translational Biotechnology for a better tomorrow**”, Department of Biotechnology, St. Josephs College, on 2nd March, 2018.