




SETHU INSTITUTE OF TECHNOLOGY

(An Autonomous Institution| Accredited with 'A++' Grade by NAAC)

Pulloor, Kariapatti –Taluk. Virudhunagar Dist-626115.



Department of Biotechnology					
Name	S J Kabilan				
Date of Birth	30.11.1991				
Unique ID	1-4573333040				
Educational Qualifications	M.Tech, PhD				
Designation	Assistant Professor				
Email ID	kabilan@sethu.ac.in				
Alternate Email ID	sjkabil@gmail.com				
Experience	Industry	Teaching	Others	Total	
	2	7		9	
Date of Joining the Institution	04.06.2025				
Area of Specialization	Drug Design				
Courses taught	Bioinformatics; Protein Engineering; Bionanotechnology; Clinical trials and management				
Research Focus	Drug design				
Subject Competency	Drug design and Bioinformatics				
No. of papers published	National Journals	International Journals		Conferences	
		26			
PG Specialization	M.TECH BIOTECHNOLOGY				
Ph.D. Specialization	BIOTECHNOLOGY				

Tel: 04566304600
Web: www.sethu.ac.in

Email: sit@sethu.ac.in

Academic Credentials

Level	Degree	Specialization	University	Year of Completion
UG	B.TECH	BIOTECHNOLOGY	KALASALINGAM UNIVERSITY	2013
PG	M.TECH	BIOTECHNOLOGY	ANNA UNIVERSITY	2018
Ph.D.		BIOTECHNOLOGY	KALASALINGAM ACADEMY OF RESEARCH AND EDUCATION	2025

Details of Journal Publication:

Aphrodisiac Performance of Bioactive Compounds from *Mimosa pudica* Linn.: In Silico Molecular Docking and Dynamics Simulation Approach

C Palanichamy, P Pavadai, T Panneerselvam, S Arunachalam, ...
Molecules 27 (12), 3799

Graph theoretical network analysis, in silico exploration, and validation of bioactive compounds from *Cynodon dactylon* as potential neuroprotective agents against α -synuclein

RR Rajeshkumar, BK Kumar, P Parasuraman, T Panneerselvam, ...
BioImpacts: BI 12 (6), 487

Teaching and learning in the metaverse world: the future of new-gen education

SJ Kabilan
Journal of Engineering Education Transformations, 134-141

Glucose-conjugated glutenin nanoparticles for selective targeting and delivery of camptothecin into breast cancer cells

RR Rajeshkumar, P Pavadai, T Panneerselvam, V Deepak, SRK Pandian, ...
Naunyn-Schmiedeberg's Archives of Pharmacology 396 (10), 2571-2586

Enhanced delivery of retinoic acid to breast cancer cells by folate receptor-targeted folic acid-conjugated glutenin nanoparticles for promising treatment of breast cancer

RR Rajeshkumar, P Pavadai, T Panneerselvam, SRK Pandian, ...

Journal of Polymers and the Environment 32 (5), 2120-2139

Optimization of ultrasound-assisted extraction of bioactive chemicals from *Hemidesmus indicus* (L.) R.Br. using response surface methodology and adaptive neuro ...

S Vellur, P Pavadai, SRK Pandian, C Palanichamy, SJ Kabilan, K Sundar, ...

Food Science and Biotechnology 33 (2), 327-341

Mimosa pudica Linn. extract improves aphrodisiac performance in diabetes-induced male Wister rats

C Palanichamy, D Nayak Ammunje, P Pavadai, S Ram Kumar Pandian, ...

Journal of Biomolecular Structure and Dynamics 43 (4), 1621-1640

Effective Creation and Usage of Simplified Virtual Curation Lab Using Google Sites: Implementation for Principles of Biochemistry Laboratory Course.

KS Jeyarajaguru

Journal of Educators Online 20 (1), n1

Drug Delivery Applications of Exopolysaccharides from Endophytic Bacteria *Pseudomonas otitidis* from *Tribulus terrestris* L.

AK Kalimuthu, SRK Pandian, P Pavadai, T Panneerselvam, SJ Kabilan, ...

Journal of Polymers and the Environment 31 (8), 3632-3649

Pharmacoinformatics-based screening of active compounds from *Vitex negundo* against lymphatic filariasis by targeting asparaginyl-tRNA synthetase

SJ Kabilan, S Kunjiappan, K Sundar, P Pavadai, N Sathishkumar, ...

Journal of Molecular Modeling 29 (4), 87

Therapeutic efficacy of polyherbal formulation Kabasura kudineer against common viral fevers-a perspective review

SJ Kabilan, S Kunjiappan, H Sundaresan, S Mahesh, G Srinivasan

Anti-Infective Agents 20 (5), 63-80

Herbal Tea Formulation for Health Rejuvenation: Nutritional, Physicochemical and Sensory Analysis

SJ Kabilan, R Baskar, G Poorani

International Journal of Engineering and Advanced Technology 9 (1S4), 783-788

Fabrication of folic acid-conjugated pyrimidine-2 (5H)-thione-encapsulated curdlan gum-PEGamine nanoparticles for folate receptor targeting breast cancer cells

S Kunjiappan, T Panneerselvam, P Pavadai, V Balakrishnan, ...

International Journal of Biological Macromolecules 277, 134406

In Silico Analysis of Phytocompounds from *Aegle marmelos* Against Potential Targets of Irritable Bowel Syndrome

G Gopakumar, B Ramesh, DIS Michaelson, S Kunjiappan, SJ Kabilan, ...

Journal of Computational Biophysics and Chemistry 22 (07), 863-879

Effect of Virtual Activity and Game-Based Learning Techniques in Effective Teaching of Professional Ethics' Course

SJ Kabilan

Journal of Engineering Education Transformations, 100-106

Folate receptor-targeted Camptothecin-loaded PLGA-Glutenin nanoparticles for effective breast cancer treatment

RR Rajeshkumar, T Panneerselvam, P Pavadai, SRK Pandian, ...

Journal of Polymers and the Environment 32 (12), 6440-6460

Optimization and analysis of ultrasound-assisted solvent extraction of bioactive compounds from *Boerhavia diffusa* Linn. using RSM, ANFIS and machine learning ...

SJ Kabilan, O Sivakumar, GB Sumanth, S Kannan, S Kunjiappan, ...

Journal of Food Measurement and Characterization 18 (6), 4204-4220

A Problem-Based Learning (PBL) Approach in Effective Implementation of Innovation and Entrepreneurship Education for Engineering Undergraduates

SJ Kabilan

Journal of Engineering Education Transformations, 120-126

Effect of Autonomous Assessment Method in Effective Teaching of Clinical Trials and Management' Course

SJ Kabilan

Journal of Engineering Education Transformations, 298-303

Polyherbal formulation as potent nutraceutical: antioxidant and antibacterial activity

S Kabilan, R Baskar, G Poorani

Int J Eng Adv Technol 9, 803-806

Pharmaco-informatics screening of *Zingiber officinale* biomolecules targeting FOXO6 for chronic kidney disease therapy

SJ Kabilan, S Kunjiappan, P Pavadai, M Sankaranarayanan, K Sundar

Drug Metabolism and Personalized Therapy

Pharmacoinformatic based (*Withania somnifera*) against screening of phytochemicals from *Ashwagandha* serine/arginine splicing factor 1 protein in treatment of ...

S Kavish, SJ Kabilan

INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS 62 (6), 632-644

Pharmacoinformatic based screening of phytochemicals from *Ashwagandha* (*Withania somnifera*) against serine/arginine splicing factor 1 protein in treatment of pancreatic cancer

SJ Kabilan, S Kavish

Indian Journal of Biochemistry and Biophysics (IJBB) 62 (6), 632-644

Molecular modelling approaches for the identification of potent Sodium-Glucose Cotransporter 2 inhibitors from *Boerhavia diffusa* for the potential treatment of chronic kidney ...

SJ Kabilan, O Sivakumar, S Kunjiappan, P Pavadai, K Sundar

Implementation of Problem-Based Learning (PBL) Approach for Computer Aided Drug Designing (CADD) Course

SJ Kabilan

Journal of Engineering Education Transformations, 166-172

Ginger Compress Therapy – A Painless Solution for Kidney Failure Patients

KS Kabilan Shanmugampillai Jeyarajaguru, GowshikiSrinivasan, Selvaraj Kunjiappan

Biointerface Research in Applied Chemistry 13 (3), 260

Antioxidant and anti-inflammatory properties of G-immune plus: A polyherbal formulation

MSJ Kabilan

International Journal of Green Pharmacy (IJGP) 12 (03)

Details of Book Chapter and Books Published:

1. Medicinal and Nutritional Importance of *Mimosa pudica* Linn. in Human Health

SRK Pandian, M Vijayalakshmi, S Haripriya, SJ Kabilan, ...

Medicinal Plants and their Bioactive Compounds in Human Health: Volume 1 ...

2. Exploring the role of plant secondary metabolites for aphrodisiacs

S Kunjiappan, SRK Pandian, T Panneerselvam, P Pavadai, SJ Kabilan, ...

Plant Specialized Metabolites: Phytochemistry, Ecology and Biotechnology ...