



Dr. C. SUMATHI
DIRECTOR i./c.

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Academic Qualifications

Degree	Institution	Year	Branch	Class
Ph.D	Alagappa University	2017	Bioelectronics & Biosensors - Interdisciplinary Physics	-
M.Sc	Alagappa University	2010	Physics	First
B.E	ACTECH, Karaikudi	2003	Electrical & Electronics	First

Teaching Experience

Total Teaching Experience: 14 Years

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books/Chapters/Monographs/Manuals
12	-	-	-	-

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Funded Research Projects

Ongoing Projects: 1

S. No.	Agency	Period		ProjectTitle	Budget (Rs. In lakhs)
		From	To		
1	Directed by Ministry of Chemicals & Fertilizers Funded by SPIC & Green star Fertilizers	Dec'23		Agricultural Informative Project மண் பயனுற	10.8

Completed Projects: 1

S. No.	Agency	Period		ProjectTitle	Budget (Rs. In lakhs)
		From	To		
1	Vigyan Prasar-Tamil Nadu Science & Technology Centre	2023 to 2024		Ariviyal Palagai	1.08

Overseas Exposure/Visits

Visited Dubai

List of Research Articles / Recent Publications

S. No.	Authors / Title of the paper / Journal	Impact Factor
12	C.Sumathi, P.Muthukumaran, P.Thivya, J.Wilson* and .Ravi hybrid nanostructures for riboflavin detection on screen printed electrode RSC Adv., 2016, 6, 81500.	3.2
11	C. Sumathi, C. Venkateswara Raju, P. Muthukumaran, J. Wilson and G. Ravi, Au–Pd bimetallic nanoparticles anchored on α -Fe ₂ O ₃ non enzymatic hybrid nano electrocatalyst for simultaneous electrochemical detection of dopamine and uric acid in the presence of ascorbic acid. <i>J.</i>	4.8
10	Muthukumaran P. Chikkili Venkateswara Raju, Sumathi C. Ravi G. Solairaj D. Rameshthangam P. Wilson J,* Sathish Rajendran and Subbiah Alwarappan* Cerium doped nickel-oxide nanostructures for riboflavin biosensing and antibacterial applications <i>NewJ.Chem.</i> , 2016, 40, 2741.	3.2
9	C. Sumathi, P. Muthukumaran, S. Radhakrishnan, G. Ravi, J. Wilson, Riboflavin detection by α - Fe ₂ O ₃ /MWCNT/AuNPs-based composite and a study of the interaction of riboflavin with DNA, RSC Advances 5(2015)17888–17896.	3.2
8	C. Sumathi, P. Muthukumaran, S. Radhakrishnan, J. Wilson, Controlled growth of single-crystalline nanostructured dendrites of α -Fe ₂ O ₃ blended with MWCNT: a systematic investigation of highly selective determination of L-dopa, RSC Advances 4 (2014) 23050–23057.	3.2
7	S. Radhakrishnan, C. Sumathi, J.Wilson, V. Dharuman, Polypyrrole-poly(3,4-ethylenedioxythiophene)-Ag composite films for label-free electrochemical DNA se	6.5
6	C. Sumathi, P. Muthukumaran, S. Radhakrishnan, G. Ravi, J. Wilson, Riboflavin detection by α - Fe ₂ O ₃ /MWCNT/AuNPs-based composite and a study of the interaction of riboflavin with DNA, RSC Advances 5(2015)17888–17896.	3.2
5	C. Sumathi, P. Muthukumaran, S. Radhakrishnan, J. Wilson, Controlled growth of single-crystalline nanostructured dendrites of α -Fe ₂ O ₃ blended with MWCNT: a systematic investigation of highly selective determination of L-dopa, RSC Advances 4 (2014) 23050–23057.	3.2
4	S. Radhakrishnan, C. Sumathi, J.Wilson, V. Dharuman, Polypyrrole-poly(3,4-ethylenedioxythiophene)-Ag (PPy-PEDOT-Ag) Biosensors and Bioelectronics 47 (2013)133–140.	6.5
3	S. Radhakrishnan, C. Sumathi, V. Dharuman, J. Wilson, Polypyrrolenano tubes-polyaniline composite for DNA detection using methylene blue as intercalator, Analytical Methods 5 (2013) 1010–1015.	1.9
2	S. Radhakrishnan, C. Sumathi, V. Dharuman, J. Wilson, Gold nanoparticles functionalized poly(3,4- ethylenedioxythiophene) thin	1.9

	film for highly sensitive label free DNA detection, Analytical Methods 5 (2013) 684–689.	
1	J. Wilson, S. Radhakrishnan, C.Sumathi, V. Dharuman, Polypyrrole-Polyaniline–Au (PPy-PANi-Au) nanocomposite films for label-free electrochemical DNA sensing, Sensors and Actuators B 171–172 (2012) 216–222.	3.7

Date : 28.02.2024

Place : Karaikudi

Name : **Dr. C. SUMATHI**

Designation : **Director i/c**