

BIO DATA

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Mobile : 9943442987
3. Date of Birth : 26.12.1979
4. Age : 44 years
5. Gender : Male
6. Educational Qualification :



Degree	Graduate Degree	Year of Passing	Name of the College & University	Marks obtained	Class obtained	Specialization
Ph.D.	Ph.D.	2014	Anna University, Chennai	-	-	Mechanical Engineering
P.G.	M.E.	2004	Annamalai University	7.89 CGPA	I Class	Manufacturing Engineering
U.G.	B.E.	2002	Raja College of Engineering & Technology	67%	I Class	Mechanical Engineering
D.M.E	-	1999	V.S.V.N.Polytechnic college & State Board	88%	I class with Honors	Mechanical Engineering
Higher secondary	-	1997	Devangar Higher secondary school & State Board	84%	-	-
Secondary	-	1995	Devangar Higher secondary school & State Board	78%	-	-

7. Academic Experience as on date:

S.No	Name of the Institution	Designation	Period of Service	Total Experience		
			From	To	Year	Month
1.	Maharaja Prithvi Engineering College	Lecturer Mech Engg	14.05.2004	23.05.2008	4	-
2.	K.S.Rangasamy College of Technology	Senior Lecturer Mech Engg	02.06.2008	15.05.2010	2	-
3.	Kamaraj College of Engineering and Technology	Assistant Professor Mech Engg	01.07.2010	31.10.2014	4	4
4.	Kamaraj College of Engineering and Technology	Associate Professor Mech Engg	01.11.2014	30.06.2023	8	8
Total Teaching Experience					19 yrs	

8. Research Experience:

- Received world top 2% of scientist award in the year 2021 & 2022
- Published International Journals – 70 (Science Citation Index)
- International conference- 5
- Recognized supervisor at Anna University
- Ph.D. Research Scholars –6; No.of. Scholars completed :2
- Google scholar citations:4156, h- index: 40, i10-index: 55
- Doctoral Committee member -7 Scholars

Register number	Name of the scholar	Internal/ External	Status
17142897139	S.Rathinavel	External	Completed
17142891143	B.Balavairavan	Internal	Completed
16142797114	P.Senthamaraikannan	Internal	Thesis submitted
17142897143	A.Ganesh Babu	External	Thesis submitted
18132891124	L.Loganathan	Internal	Thesis submitted
19231897133	B.Vithya	Internal	Confirmation completed
19142897206	T.Ramesh	Internal	Course work completed

- Guest Lecture delivered – 4

Sl.No.	Date	Name of the Institution	Topic of Guest lecture
1	30.08.17	Sri Vidya College of Engg & Technology- Virudhunagar	Hybrid Composite Materials
2	09.03.18	The Kavery Engineering College - Salem	Composite Materials & Material Engineering
3	10.05.18	Mepco Schlenk Engineering College – Sivakasi	Guidelines for writing a technical research paper in natural fiber reinforced composite
4	15.01.19	Siksha 'O' Anusandhan University- Bhubaneswar	Characterization of natural fibers.

9. Research Collaboration:

S.NO.	Name of the Researcher	Affiliation of the researcher	No. of Articles published
Collaboration with institutions in Outside the Country			
1.	Dr. Suchart Siengchin	President of King Mongkut's University of Technology North Bangkok, Thailand.	1
2.	Dr. M.R.Sanjay	Research scientist , Department of Mechanical and Process Engineering, King Mongkut's University of Technology, North Bangkok, Thailand	8
3.	Dr.Mohammad Jawaid	Fellow Researcher, Biocomposite Technology Laboratory, Institute of Tropical Forestry and Forest Products (INTROP), Universiti Putra Malaysia, Serdang,Selangor,Malaysia.	1
4.	Dr. Abdullah M. Asiri	Chairman of Chemistry Department & Director of the Center of Excellence for Advanced Materials Research, King Abdulaziz University, Jeddah, Saudi Arabia	4
5.	Dr. Anish Khan	Chemistry Department & Center of Excellence for Advanced Materials Research, King Abdulaziz University, Jeddah, Saudi Arabia	4
6	Dr.Yucheng Liu	Key Laboratory of Bionic Engineering, Jilin University, Changchun, China	1

10. No of projects guided :

UG Projects guided: 16 Nos.

PG Projects guided: 12 Nos.

11. Membership in Professional Societies :

1. Life Member Indian Society for Technical Education
2. Life Member Indian Welding Society

International Journals Publications:

- [1] K. M. Manikandan, A. Yelilarasi, P. SenthamaraiKannan, S. S. Saravanakumar, A. Khan, and A. M. Asiri, "The conducting polymer electrolyte based on polypyrrole-polyvinyl alcohol and its application in low-cost quasi-solid-state dye-sensitized solar cells," *J. Solid State Electrochem.*, vol. 22, no. 12, pp. 3785–3797, 2018, doi: 10.1007/s10008-018-4070-4.
- [2] V. P. Arthanarieswaran, A. Kumaravel, and S. S. Saravanakumar, "Physico-Chemical Properties of Alkali-Treated Acacia leucophloea Fibers," *Int. J. Polym. Anal. Charact.*, vol. 20, no. 8, pp. 704–713, 2015, doi: 10.1080/1023666X.2015.1081133.
- [3] K. M. Manikandan, A. Yelilarasi, P. SenthamaraiKannan, S. S. Saravanakumar, A. Khan, and A. M. Asiri, "A study on optical limiting properties of Eosin-Y and Eriochrome Black-T dye-doped poly (vinyl alcohol) composite film," *Int. J. Polym. Anal. Charact.*, vol. 24, no. 4, pp. 326–333, 2019, doi: 10.1080/1023666X.2019.1596366.
- [4] M. Kathiresan, P. Pandiarajan, P. SenthamaraiKannan, and S. S. S. Saravanakumar, "Physicochemical properties of new cellulosic Artisdita hystrix leaf fiber," *Int. J. Polym. Anal. Charact.*, vol. 21, no. 8, pp. 663–668, 2016, doi: 10.1080/1023666X.2016.1194636.
- [5] S. Indran, R. E. E. Raj, B. S. S. S. Daniel, and S. S. S. Saravanakumar, "Cellulose powder treatment on Cissus quadrangularis stem fiber-reinforcement in unsaturated polyester matrix composites," *J. Reinf. Plast. Compos.*, vol. 35, no. 3, pp. 212–227, 2016, doi: 10.1177/0731684415611756.
- [6] R. Kumar, N. R. J. R. J. Hynes, P. SenthamaraiKannan, S. Saravanakumar, and M. R. R. Sanjay, "Physicochemical and Thermal Properties of Ceiba pentandra Bark Fiber," *J. Nat. Fibers*, vol. 15, no. 6, pp. 822–829, Oct. 2018, doi: 10.1080/15440478.2017.1369208.
- [7] L. Loganathan, S. S. Saravanakumar, and R. Murugan, "Investigation of physico-mechanical, thermal, morphological, optical and biodegradation properties of polyvinyl alcohol films reinforced with alkali treated Limonia acidissima shell powder," *Polym. Compos.*, vol. 43, no. 6, pp. 3544–3559, 2022, doi: 10.1002/pc.26636.
- [8] B. Balavairavan and S. S. Saravanakumar, "Characterization of Ecofriendly Poly (Vinyl Alcohol) and Green Banana Peel Filler (GBPF) Reinforced Bio-Films," *J. Polym. Environ.*, vol. 29, no. 9, pp. 2756–2771, 2021, doi: 10.1007/s10924-021-02056-y.
- [9] J. S. Binoj, R. E. Raj, B. S. S. Daniel, and S. S. Saravanakumar, "Optimization of short Indian Areca fruit husk fiber (*Areca catechu* L.)–reinforced polymer composites for maximizing mechanical properties," *Int. J. Polym. Anal. Charact.*, vol. 21, no. 2, pp. 112–122, 2016, doi: 10.1080/1023666X.2016.1110765.
- [10] K. M. Manikandan *et al.*, "The effect of γ -ray-irradiated conducting polymer electrolyte and its application of dye-sensitized solar cells to building window glass system," *J. Solid State Electrochem.*, vol. 24, no. 2, pp. 251–261, 2020, doi: 10.1007/s10008-019-04306-5.
- [11] S. Rathinavel and S. S. Saravanakumar, "Synthesis of Silver Nanoparticles Through Orange Peel Powder for Antibacterial Composite Filler Applications," *J. Polym. Environ.*, vol. 30, no. 4, pp. 1407–1414, 2022.
- [12] S. Rathinavel and S. S. Saravanakumar, "Development and Analysis of Silver Nano Particle Influenced PVA/Natural Particulate Hybrid Composites with Thermo-Mechanical Properties," *J. Polym. Environ.*, vol. 29, no. 6, pp. 1894–1907, 2021, doi: 10.1007/s10924-020-01999-y.

- [13] S. Rathinavel and S. S. Saravanakumar, "Development and Analysis of Poly Vinyl Alcohol/Orange peel powder biocomposite films," *J. Nat. Fibers*, vol. 18, no. 12, pp. 2045–2054, 2021, doi: 10.1080/15440478.2019.1711285.
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- [15] M. Kathirselvam, A. Kumaravel, V. P. P. Arthanarieswaran, and S. S. S. Saravanakumar, "Characterization of cellulose fibers in Thespesia populnea barks: Influence of alkali treatment," *Carbohydr. Polym.*, vol. 217, no. April, pp. 178–189, Aug. 2019, doi: 10.1016/j.carbpol.2019.04.063.
- [16] S. S. Saravanakumar, A. Kumaravel, T. Nagarajan, and I. G. Moorthy, "Investigation of Physico-Chemical Properties of Alkali-Treated Prosopis juliflora Fibers," *Int. J. Polym. Anal. Charact.*, vol. 19, no. 4, pp. 309–317, 2014, doi: 10.1080/1023666X.2014.902527.
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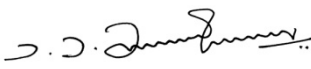
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