


Profile

Name	DINAKARAN. K	
Designation	Professor	
Mailing Address	Department of Chemistry Thiruvalluvar University Vellore – 632115.	
Academic Qualifications	M.Sc., Ph.D.	
Email	kdinakaran.tvu@gmail.com	
Additional Responsibilities	HOD, Department of Chemistry Director i/c, Centre for Research Dean, Faculty of Physical Sciences	

Teaching Experience : **14** years (Teaching Organic Chemistry to M.Sc & M.Phil)

Research Experience : **22** years (**post Ph.D**)

Research area : Organic Synthesis, Polymers, Nanocomposites

h-Index : **27**

i10 index : **62**

<https://vidwan.inflibnet.ac.in/profile/300374>

<https://orcid.org/0000-0001-5992-2542>

<https://www.scopus.com/authid/detail.uri?authorId=26641930100>

<https://scholar.google.com/citations?user=28HO8hEAAAAJ&hl=en&oi=ao>

Research guidance / supervision:

Programmes of Study	Completed	in Progress
Ph.D	10	6
M.Phil Dissertation	11	0
M.Sc Dissertation	38	6

Research articles

Published in	Published in	Presented in	Presented in National
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International Journals	National Journals	International Conferences	Conferences
112	2	25	27

Funded Research Projects (Ongoing) – PI

S.No	Agency	Period		Title	Budget (in Rs. lakhs)
		From	To		

Funded Research Projects (Completed as PI)

S.No	Agency	Period		Title	Budget (in Rs. Lakhs)
		From	To		
1	DST-SERB	2010	2013	Ordered Nanostructured materials based Biosensor	15.23
2	UGC	2010	2013	Synthesis and self assembly of ...block copolymers	5.65
3	CSIR	2013	2015	Nanonetwork embedded carbon matrix..... biosensor	7.14
4	DST-SERB	2017	2020	Development of Advanced Nanobiosensor for Pathogenic Microorganisms detection	30.64
5	DRDO	2018	2021	Development of porous nanostructures embedded conductive polymer nanocomposites for EMI shielding	27.32
6	DST-SERB (CRG scheme)	2020	2023	Development of 2D nanostructure dispersed nanocellular conductive polymer foams for EMI shielding	29.01
Research Projects Completed as Co-PI					
1	DST-Nanomission	2012	2016	Hybrid nanomaterials from renewable sources	65.0

Number of Seminar / Conference / Workshops / Events attended : 48
Number of Seminar / Conference / Workshops / Events organized : 6
Number of Invited / Special Lectures delivered : 7
Number of lectures in **FDP** : 1
Number of Book Chapters written : 8

Number of Text Books authored : 1

Achievements / Awards / Honours

JSPS postdoctoral fellowship awarded by JSPS, Japan, 2006.

Brianpool invited scientist awarded by KRF, Govt of South Korea, 2008.

Membership in Professional National / International bodies

Member in Materials Research Society of India (IISC, Bengaluru)

Member in Nano-Molecular Society of India (Hindustan College, (Farah-Agra))

Additional responsibilities

HOD, Department of Chemistry, Thiruvalluvar University, Vellore, 01-08-2022 onwards

Dean, Faculty of Physical Sciences, Thiruvalluvar University: November 2023 to till date

Director i/c, Centre for Research, Thiruvalluvar University: October 2022 to till date

Chairman, Board of Studies in Chemistry, Thiruvalluvar University, Vellore, July 2022 onwards

Member in Board of Studies in Chemistry, Thiruvalluvar University, Vellore, 2014-till date

Member in Governing Council of C.Abdul Hakeem College, Melvisharam, 10-2023 onwards

Member in Academic Council of Sacred Heart College, Tirupatur, 06-2020-to 06-2023

Member in Academic Council of Adiparasakthi College of Arts and Science, Kalavai 01-2021 to 12-2023

Member in Academic Council of C.Abdul Hakeem College, Melvisharam, 10-2019 to 10-2022

Member in Board of Studies in Chemistry, SDNB Vaishnav College for Women, Chennai, June-2020 to May2022

Member in Board of Research Studies (BORS) of Thiruvalluvar University: 2017-2020

Member in Academic Council of Thiruvalluvar University: 2017-2020

Member in Alumni Association Committee of Thiruvalluvar University: 2017-2019

Director i/c, Centre for Research, Thiruvalluvar University: June-2019 to June-2021

Conferences/Seminars/workshops/training program Organized

S.No	Name of the Event	Period	Role
9	Workshop on Instrumentation facilities	13-April-2023	Convener & Resource Person
8	Online Lecture -1 for UG Chemistry students on Preparation of Reagents and Solutions, under DST-SERB-CRG project	18-02-2022	Convener & Resource Person
7	Research Facility Training Program – under DST-SERB-CRG project	07-Feb-2022	Convener & Organizing Secretary
6	International e-Conference on Recent Developments in Organic and Inorganic Materials	10-April-2021	Convener & Organizing Secretary

5	International Virtual Conference on “Perspectives of Recent Research in Organic and Medicinal Chemistry - 2021 (PRROMC - 2021)”	26-March-2021	Member in Organizing Committee
4	International e-Conference on Energy and Environment	01-March-2021	Member in Organizing Committee
3	International Webinar on Polymers and Nanomaterials	19-February-2021	Organizing Secretary
2	2 nd National Conference on Emerging Trends in Chemistry and Materials (ETCM–2017)	20-21 April 2017	Member in Organizing Committee
1	1 st National Conference on Emerging Trends in Chemistry and Materials (ETCM–2015)	09-10 April 2015	Member in Organizing Committee

Countries visited:

- Taiwan
- Japan
- Canada
- South Korea
- Singapore

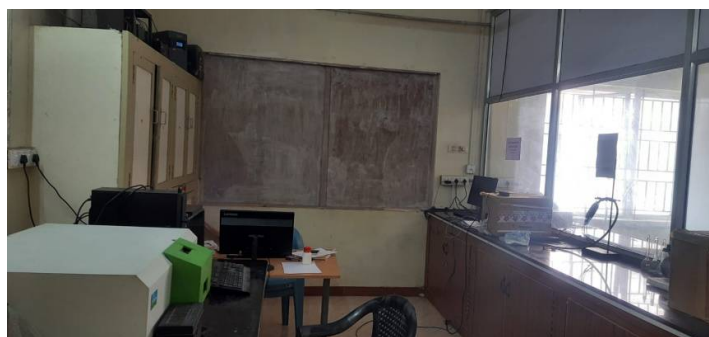
RESEARCH FACILITIES



Electrochemical Works Station (SP200) Biologic SAS, France



Fluorescence Spectrometer Perkin Elmer



LIST OF PUBLICATIONS

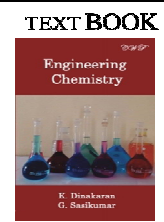
(i) **Patents filed** : **3**

(1) Korean Patent No: 10-1060200, **2011**. Dong Ha Kim, **Dinakaran K**, Min-Ah Cha, “The Preparation Method of Hybrid Ag/TiO₂ Nanoparticle Array using Diblock Copolymer and Hybrid Ag/TiO₂ Nanostructure with Improved Photocatalytic Activity”.

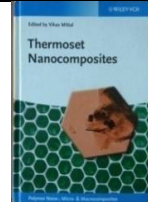

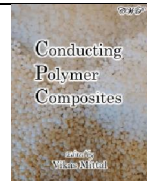
(2) K. Dinakaran, N. Kavitha, P. Prabukanthan, K. Srinivasan “Process for the production of nanostructures loaded Polyvinyl alcohol/conjugated polymer nanocomposites having higher Electromagnetic Interference shielding efficiency”. Indian Patent – Applied (2023).

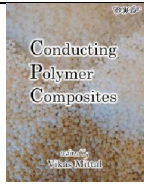
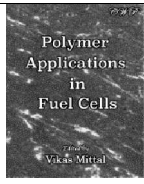
(3) K. Dinakaran, T. Senthil, P. Prabukanthan, D.Paradesi, “Process for the preparation of proton exchange membranes from MoS₂ nanosheet embedded, sulfonic acid functionalized polybenzoxazine and epoxy resin inter crosslinked composites”. Indian Patent – Applied (2023).

(ii) **Text Books**

1	Title: Engineering Chemistry Publishers: Central West Publishers, Australia Year: 2018 ISBN: 978-1-925823-10-3	
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(iii) **Chapters in Edited Books**

1	Title : Unsaturated Polyester resin Clay Hybrid Nanocomposites Author : K. Dinakaran , S.Devaraju and M.Alagar Book Name : Thermoset Nanocomposites Editor & Publisher : Prof. Vikas Mittal., Wiley-VCH, Germany Year : 2013 Pages : 129-146 ISBN No : 978-3-527-33301-1	
2	Title : Natural fibre reinforced Epoxy and UP resin composites Author : K. Dinakaran and M.Kesava Book Name : Spherical and Fibrous Filler Composites Editor & Publisher : Prof. Vikas Mittal., Wiley-VCH, Germany Year : 2016 Pages : 127-156 ISBN : 978-3-527-33457-5	
3	Title : Conducting polymer composites for EMI shielding applications Author : K. Dinakaran and A.Pangajam Book Name : Conducting polymer composites Publisher : Central West Publishers, Australia	

	Year : 2019 Chapter No. & Pages : 4, pp 95-118 ISBN : 978-1-925823-22-6	
4	Title : Natural Fibre reinforced conducting polymer composites Author : K. Dinakaran , S. Kumar and A.Pangajam Book Name : Conducting polymer composites Editor & Publisher : Prof.Vikas Mittal., Central West Publishers, Australia Year : 2019 Chapter No. & Pages : 7, pp 195-212 ISBN : 978-1-925823-22-6	
5	Title : Fuel cell applications of Polysulfone Derivatives, blends and nanocomposites Author : K. Dinakaran and A.Pangajam Book Name : Polymer Applications in Fuel Cell Editor & Publisher : Prof.Vikas Mittal., Central West Publishers, Australia Year : 2019 Chapter No. & Pages : 7, pp 187-204 ISBN : 978-1-925823-37-0	
6	Title : Different Synthetic Strategies of Nanocomposite Based Electrode Materials for Green Energy Technology Author : Rasu Ramachandran, Pitchaimani Veerakumar, Tharini Jeyapragasam, Kannaiyan Dinakaran, Muthusamy Boominathan, King-Chuen Lin, Abdullah G. Al-Sehemi Book Name : Electrochemical Synthesis: Nano, 2D, Ceramic and Perovskite Materials Editor & Publisher : Prof.Balaprasad Ankamwar, Lambert Academic Publisher Year : 2023 Chapter No. & Pages : 7 : ISBN :	
7	Title : Multi-functional RGO based hybrid materials for high-performance supercapacitors Author : K. Uma, K.P.O. Mahesh, K. Dinakaran Book Name : Electrochemical Applications of Nano, Mesoporous Materials in Energy Publisher : Lambert Academic Publisher Editor & Publisher : Prof.Balaprasad Ankamwar, Lambert Academic Publisher Year : 2023 Chapter No. & Pages : 5 : ISBN :	

(iv) **Publications in SCI/Scopus/WOS indexed journals**

		Publisher	Journal Impact Factor
	P. Senthil Kumar, Theerthagiri Senthil; Simiyon Denisdon; Chandren Dhivya; Kannaiyan Dinakaran Hydrothermal methods of graphene nanosheet dispersed TiO ₂ nanocomposites for modified glassy carbon electrodes for heavy metal sensor. Electrochimica Acta - submitted	Elsevier	

	A. Pangajam, A.Chandramohan, P.Prabukanthan, K. Dinakaran, (2022) pH Selective Fluorometric Detection of E. coli using water soluble Cationic Polyphenothiazine Derivatives). -submitted		
	S.Kumar, K.Sathish Kumar, A.Chandramhan, A.Hariharan, M.Alagar, K. Dinakaran, Forchetti Agustin, M. Sponton, (2023) Development of heteroatom quinoline-based polybenzoxazines reinforced graphitic carbon nitride (GCN) carbonization composites for emerging approaches of supercapacitor applications. <i>Diamond & Related Materials</i> – RI	RSC	
112	M. Sreedharar, K. Dinakaran, P. SenthilKumar, Tetiana Tatarchuk, and P. Prabukanthan. (2023) Single-step electrochemical deposition of Cr ³⁺ doped CuInSe ₂ thin films for electrocatalytic activity application. <i>Electrochimica Acta</i> – RI	Elsevier	
111	S. Kumar, M. E. Spontón, A.Hariharan, K.Sathish Kumar, A.Chandramohan, A.F.Casarino, D. A. Estenoz, Hamad Al-lohedan, M. Kumar, Ranjith Balu, K.Dinakaran (2023) Synthesis of New Quinoline Derivatives Based on Mono-Functional Polybenzoxazines for Oil-Water Separation, Anti-Corrosion and Antibacterial Applications. Composite Interfaces . https://doi.org/10.1080/09276440.2023.2285532	Taylor & Francis	2.7
110	T.Senthil, A.Chandramohan, P. SenthilKumar, D. Paradesi and K.Dinakaran (2023) Bi ₂ S ₃ microparticles loaded conjugated random copolymer containing Tri-phenyl Pyridine and carbazole units for proton exchange membrane fuel cell applications. ACS Industrial and Engineering Chemistry Research vol.62, 43, pp17743-17754. https://doi.org/10.1021/acs.iecr.3c02527	Am. Chem. Soc.	4.2
109	A.Amalorpavadoss, T.Senthil, P. SenthilKumar, S.Chellapandi, K.Srinivasan, K. Dinakaran. (2023) SnO ₂ nanoparticles dispersed, Phosphoric acid doped polyvinylalcohol/Epoxy resin/ siloxane hybrid network proton transport membrane for fuel cell applications. ACS Industrial and Engineering Chemistry Research . 2023, 62, 39, pp15953–15961 https://doi.org/10.1021/acs.iecr.3c02044	Am. Chem. Soc.	4.2
108	Chandramohan Ayyavu, Parthiban Rangasamy, Sathishkumar Kannaiyan, Alagar Muthukaruppan and Dinakaran Kannaiyan. (2023) Synthesis and characterization of granite dust microparticles reinforced bio-benzoxazine composites. Polymers for Renewable Resources . Vol.14(4), pp264-278. https://doi.org/10.1177/20412479231202586	Sage	0.5
107	K.Dinakaran, S, Senthamilselvi, N.Kavitha, T. Gayathri, and Debmalya Roy (2023) Synthesis and Microwave absorption properties of Graphene/Nickel oxide hybrid nanostructures loaded PVDF composite thin films - submitted to Journal of Indian Chemical Society , Vol 100(10), pp101091 https://doi.org/10.1016/j.jics.2023.101091	Elsevier	0.2
106	Justin Jose Sheela, Anie Shejoe, S. Moorthy M.M. Berlina; S.Karthikeyan, K. Dinakaran, D. Paradesi. (2023) Sulfonated Poly Ether Sulfone Membrane Reinforced with Bismuth Based Organic and Inorganic Additives for Fuel Cells. ACS Omega , 8(30), pp27510–27518 https://doi.org/10.1021/acsomega.3c03143	Am. Chem. Soc.	4.1
105	M. Kesava, V. Saravanan and K. Dinakaran. PbS nanoparticles dispersed, phosphoric acid doped, aminated triazine based Poly(Aryl-Aliphatic Ethers)	Am. Chem. Soc.	4.85

	nanocomposite foams for High temperature proton exchange membrane fuel cell applications. – ACS Applied Polymer Materials , 5, 8, pp5867–5879 - https://doi.org/10.1021/acsapm.3c00496		
104	N.Kavitha, C.Karikal Chozhan, Devansh Sharma and K. Dinakaran, (2023) Enhanced microwave absorption properties of magnetite nanoparticles decorated multi walled carbon nanotubes loaded polyaniline/polyvinyl alcohol nanocomposites. Polymers for Advanced Technologies , Vol. 34(10), pp3223-3235. https://doi.org/10.1002/pat.6132	Wiley	3.4
103	M.Siva, Berlina M.Mahimai, K.Dinakaran and D.Paradesi (2023) Synthesis and Fabrication of Cu-Trimesic Acid MOF Anchored Sulfonated Poly(2,5-benzimidazole) Membranes for PEMFC Applications. Int. J. Hydrogen Energy , Vol 48(92) pp36063-36075 https://doi.org/10.1016/j.ijhydene.2023.05.362	Elsevier	7.14
102	Siva Moorthy, Gandhimathi Sivasubramanian, Dinakaran Kannaiyan, Paradesi Deivanayagam (2023) Neoteric advancements in polybenzimidazole based polymer electrolytes for high-temperature proton exchange membrane fuel cells - A versatile review. Int. J. Hydrogen Energy , Vol. 48(72), pp28103-28118 https://doi.org/10.1016/j.ijhydene.2023.04.005	Elsevier	7.14
101	Chandramohan.A, Parthiban R, Senthil Kumar P, Sathishkumar K, Alagar M, and Dinakaran K. (2023) Thermal, electrical, morphological and hydrophobic properties of bio-silica reinforced bio-benzoxazine nanocomposites. Applied nanoscience . Vol.13, pp4193–4205 https://doi.org/10.1007/s13204-023-02840-3	Springer	3.86
100	T.Senthil, K.Srinivasan, D.Paradesi, M.Chandran and K.Dinakaran (2023) TiO ₂ -Graphene dispersed sulfonated polyphenylenesulfide sulfone nanocomposites for medium temperature proton exchange membrane fuel cell applications. Polymers for Advanced Technologies Vo.1.34(7), pp2261-2271. DOI: 10.1002/pat.6047	Wiley	3.5
99	M. Kesava, V. Saravanan and K. Dinakaran. (2023) PbS microparticles dispersed, polybenzoxazine cured epoxy membranes for High temperature proton exchange membrane fuel cell applications. – Polymers for Advanced Technologies Vol. 34(7), pp2153-2166. DOI: 10.1002/pat.6035	Wiley	3.5
98	T.Praveen, M.Siva, Berlina M.Mahimai, K.Dinakaran and D.Paradesi (2023) High performance bismuth oxide embedded sulfonated poly ether sulfone composite membranes for fuel cell applications Journal of Macromolecular Science: part A . vol 60(3), 171-180. https://doi.org/10.1080/10601325.2023.2186793	Taylor & Francis	2.21
97	T. Senthil, P. Prabukanthan, D.Paradesi and K. Dinakaran. (2023) TiO ₂ nanoparticle enhanced high temperature proton conductivity in hyperbranched sulfonated polyarylene aliphatic ketones for proton exchange membrane fuel cells applications. Journal of Applied Polymer Science . 140(15), pp53737. DOI: 10.1002/APP.53737	Wiley	3.05
96	P. Prabukanthan, V. Bakyajothi, K. Dinakaran S. Uthayakumar, Adnan Younis (2023) Synthesis, crystal growth and characterization of organic non linear optical materials methoxy-N,N-diphenylbenzamides. Chemical papers , 77, pages703–717 https://doi.org/10.1007/s11696-022-02510-8	Springer	2.14

95	N.Kavitha, P. Prabukanthan, and K. Dinakaran, (2023) Enhanced dielectric properties of graphene /conjugated terpolymer blended polyvinylidene difluoride.- Bulletin of Materials Science . Vol 46, pp118 https://doi.org/10.1007/s12034-023-02927-1	Springer	1.87
94	N.Kavitha, P.Prabukanthan, Debmalya Roy, S.Uthayakumar and K. Dinakaran. (2023) Enhanced thermal and dielectric properties of porous thin films of graphene, conjugated terpolymer of pyrene/thiophene/heptaldehyde and Polyvinylidene difluoride alloys. Int. J. Polymer analysis and Characterization , vol 28(2), pp139-155 DOI: 10.1080/1023666X.2022.2158581	Taylor & Francis	2.5
93	N.Kavitha, A.Chandramohan, Devansh Sharma, and K. Dinakaran (2023) Synthesis and microwave absorption studies on 2D graphitic carbon nitride loaded polyaniline/polyvinyl alcohol nanocomposites. High Performance Polymers , vol 35(4), pp324-337 https://doi.org/10.1177/09540083221134955	Sage	1.73
92	P. Prabukanthan, V. Bakyajothi, M.Saravanakumar, K. Dinakaran (2023) Physicochemical and DFT studies of organic NLO single crystal 4-methoxy-N-(2-methyl-5-nitrophenyl) benzamide. Molecular Crystals and Liquid Crystals vol 754(1), pp43-67. DOI: 10.1080/15421406.2022.2095436	Taylor & Francis	0.67
91	S.Kumar, A.Hariharan, M.Alagar, K.Sathish Kumar, K. Srinivasan, P. Prabukanthan and K. Dinakaran. (2022) Supercapacitors and high <i>k</i> properties of CNT-PbS reinforced quinoxaline amine based polybenzoxazine composites. Soft Matter –vol.18, pp8779-8791 https://doi.org/10.1039/D2SM00737A	Royal Chem. Soc.,	4.04
90	P. Prabukanthan, C. Raveendiran, M. Saravana Kumar, G. Harichandran, K. Dinakaran, Abdullah A. Al-Kahtani, Mohd Ubaidullah, G. Ushanandhini, Bidhan Pandit (2022) Synthesis, crystal elucidation, spectroscopic analysis, DFT, NLO and biological studies of N-(1H-benzimidazol-2-yl)benzamide heterocyclic compounds. Optik - International Journal for Light and Electron Optik , vol.270, pp170014. https://doi.org/10.1016/j.ijleo.2022.170014	Elsevier	2.84
89	T.Senthil, R.Parkavi, P.Senthilkumar, A.Chandramohan, K.Srinivasan, K.Dinakaran (2022). PbS/Graphene hybrid nanostructures deposited glassy carbon electrode for the electrochemical sensing of Copper ions in aqueous solution. Food and Chemical Toxicology – Vol.168, pp113375. https://doi.org/10.1016/j.fct.2022.113375	Elsevier	5.57
88	M. Kesava, V.Saravanan, K.Srinivasan, and K. Dinakaran. Graphene nanosheets dispersed hydrophobic and flexible aliphatic chain containing multifunctional Poly(Benzoxazines) nanocomposites for medium temperature proton exchange membrane fuel cell applications. Int. Journal of Energy Research , Vol.46 (13) pp18162-18178; https://doi.org/10.1002/er.8434	Wiley	4.67
87	T.Senthil, R.Parkavi, P.Senthilkumar, A.Chandramohan, P.Prabukanthan, R.Ramachandran, K.Dinakaran (2022). Electrochemical sensing of Copper (II) ion in water using Bi-Metal oxide framework modified glassy carbon electrode. Food and Chemical Toxicology , vol.167, pp113313 https://doi.org/10.1016/j.fct.2022.113313	Elsevier	5.57
86	Berlina. M.Mahimai, S.Gandhimathi, S.Karthikeyan, K.Dinakaran and D.Paradesi (2022) Sulfonated poly (ether ether ketone): unprecedented ion-	Royal Chem.	5.36

	exchange polymer electrolytes for fuel cell applications–A versatile review. Materials Advances , vol.3, pp6085–6095, https://doi.org/10.1039/D2MA00562J	Soc.,	
85	A. Hariharan, K. Subramanian , K. Dinakaran , K. Balaji , M. Alagar, and T. Lakshmikandhan (2022) Synthesis of Optical and Electrochemical Studies on 3-Cyano-2-indolyl Quinoline Derivatives. Russian Journal of Physical Chemistry A , 2022, Vol. 96(14) pp.3251–3257. DOI: 10.1134/S0036024423020073 (ISSN: 0036-0244)	Pleiades Publishing	0.69
84	K. Dinakaran, N.Kavitha, P. Prabukanthan, and Debmalya Roy (2022) Microwave absorption and dielectric behavior of lead sulfide – graphene composite nanostructure embedded polyvinylidenedifluoride thin films- Int. J. Polymer analysis and Characterization , vol.27(5), pp277-288 https://doi.org/10.1080/1023666X.2022.2067958	Taylor & Francis	2.5
83	C. Raveendiran, P. Prabukanthan , V. Ragavendran, G. Harichandran, K. Dinakaran, P. Seenuvasakumaran. (2022) Synthesis, crystal growth, crystal investigation, optical, thermal, DFT and NLO studies of 2 -methylanilinium-4 -methylbenzenesulfonate organic single crystal: Experimental and computational approach. Materials today proceedings . Vol66, Part 4, 2022, Pages 1769-1778 https://doi.org/10.1016/j.matpr.2022.05.276	Elsevier	1.24
82	N.Kavitha, M.Elavarasan, R.Ramachandran, S.Uthayakumar A.Chandramohan and K.Dinakaran. (2022) Polymer nanohybrid composites as conductive platform for the electrochemical sensing of pathogens- Current Research in Green and Sustainable Chemistry Vol.5, pp100316 https://doi.org/10.1016/j.crgsc.2022.100316	Elsevier	0.65
81	T Senthil, P. Vasanthi, A.Chandramohan, P.Prabukanthan and K.Dinakaran, (2022) Synthesis and Characterization of Manganese Doped Cobalt Oxide porous nanoparticles Dispersed Epoxy composites – Materials today proceedings . Vol.59 (1), pp.1022-1027. https://doi.org/10.1016/j.matpr.2022.02.281	Elsevier	1.24
80	P. Prabukanthan, M. Sreedhar, G. Harichandran, T. Tatarchuk, K. Dinakaran, S. Uthayakumar, A. Younis, (2022) Physicochemical and Electrocatalytic Performance of Chromium doped Iron Pyrite Thin Films. Physics and Chemistry of Solid State . – Vol. 23(1), pp. 134-143. DOI: https://doi.org/10.15330/pcss.23.1.134-143	VSPN. Univ. Scopus indexed	1.01
79	Gayathri T, Kavitha N, Chandramohan A, Dinakaran K., (2022) Mesoporous Zirconia Nanostructures Embedded Polyvinylidene difluoride Conducting Films for EMI Shielding. - Materials Today Proceedings - 59(1), pp534-539. https://doi.org/10.1016/j.matpr.2021.11.564	Elsevier	1.24
78	R.Parkavi, R.Parthiban, P.Senthilkumar, A.Chandramohan, K.Dinakaran (2022). Synthesis and characterization of 4- Halobenzylidenemalanonitriles for optical detection of Nickel (II) ions in aqueous solution. - Chemosphere , 290, 133248. https://doi.org/10.1016/j.chemosphere.2021.133248	Elsevier	7.0
77	R.Parkavi, G. Madhan, K.Sathishkumar, A.Chandramohan and K. Dinakaran (2022) Optical detection of Copper and Cadmium from aqueous solution using arylidenemalanonitriles. Asian J. Res. Chem. – 15(1), 19-26. DOI:	A & V	0.15

	10.52711/0974-4150.2022.00003		
76	Amalorpavadoss A, Kumar. S, Pavunkumar V, Chandramohan A, Dinakaran. K, (2022) Synthesis, Characterization and anti-Corrosion Property of Mesoporous Silica (F-SBA-15) incorporated Aliphatic Chain Containing Polybenzoxazine nanocomposites – Composite interfaces . 29(7), pp 833-852. https://doi.org/10.1080/09276440.2021.2015150	Taylor & Francis	2.7
75	S. Kumar, A.Hariharan, Debmalya Roy, K. Dinakaran (2022) Synthesis and Characterization of fluorine functionalized graphene oxide reinforced quinoline-based polyimide composites having low-k and UV shielding properties. – Polymer for Advanced Technologies , Vol. 33(1), pp 427-439, https://doi.org/10.1002/pat.5527	Wiley	3.66
74	A.Amalorpavadoss* G.Durgadevi, K.Srinivasan, M.Chandran and K.Dinakaran, (2022) SnO ₂ nanoparticles loaded Cashew Nut Shell resin modified polyvinyl alcohol nanocomposite membranes for PEMFCs. J. Emerging Tech. Innov. Res. Vol 9(5), page c785-791	--	--
73	A. Pangajam, A.Chandramohan, K. Dinakaran, G.Harichandran, R. Sureshkumar (2021) Preparation and Characterization of Graphene nanosheets dispersed Pyrrole-Chorobenzaldehyde-Heptaldehyde conjugated terpolymer nanocomposites for DNA detection. Journal of Solid State Electrochemistry . Vol. 25, pp2611–2623; DOI: 10.1007/s10008-021-05043-4	Springer	2.64
72	Kumaran R, Vinaykumar, Dinesh kumar S, Alagar M, Subramanian V, Dinakaran K. (2021) Enhanced Shielding of Electromagnetic Radiations with Flexible, Light-weight and Conductive Ag-Cu/MWCNT/rGO Architected PVDF Nanocomposite Films. Polymers for Advanced Technologies , Vol 32(9), pp3759-3769 – https://doi.org/10.1002/pat.5395	Wiley	3.66
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