


Profile

Name	DINAKARAN. K	
Designation	Professor	
Mailing Address	Department of Chemistry Thiruvalluvar University Vellore – 632115.	
Academic Qualifications	M.Sc., B.Ed., Ph.D.	
Employee number	-	
Phone – Office	-	
Phone - personal	-	
Email	kdinakaran.tvu@gmail.com	

Teaching Experience : **13** years (Teaching Organic Chemistry to M.Sc & M.Phil)

Research Experience : **20** years (**post Ph.D**)

Research area : Synthesis of Organic Polymers & Nanohybrids

h-Index : **25**

i10 index : 46

[Dinakaran K - Google Scholar](#) link (ctrl + click to follow the link)

Research guidance / supervision:

Programmes of Study	Completed	in Progress
Ph.D	8	4
M.Phil Dissertation	11	0
M.Sc Dissertation	32	5

Research articles

Published in International Journals	Published in National Journals	Presented in International Conferences	Presented in National Conferences
87	2	25	26

Funded Research Projects (Ongoing) - PI

S.No	Agency	Period		Title	Budget (in Rs. lakhs)
		From	To		
1	DST-SERB (CRG scheme)	2020	2023	Development of 2D nanostructure dispersed nanocellular conductive polymer foams for EMI shielding	29.01

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
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

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

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

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

Member in Board of Studies in Chemistry, SDNB Vaishnav College for Women, Chennai - 2020 to 2022

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
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(PRRMC - 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	<i>Organizing Secretary</i>
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

Patents filed : 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”.

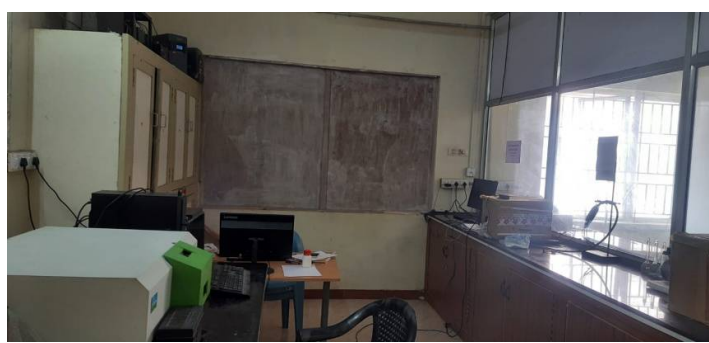
RESEARCH FACILITIES



Electrochemical Works Station (SP200) Biologic SAS, France

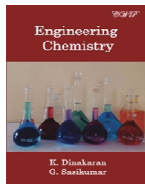


Fluorescence Spectrometer Perkin Elmer

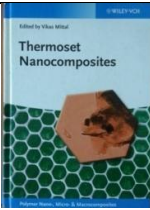

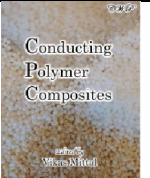
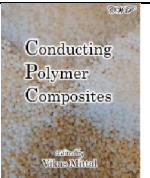
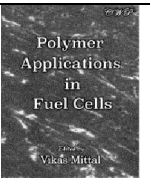


LIST OF PUBLICATIONS

(i) Text Books

1	<p>Title: Engineering Chemistry</p> <p>Publishers: Central West Publishers, Australia</p> <p>Year: 2018</p> <p>ISBN: 978-1-925823-10-3</p>	<p>TEXT BOOK</p> 
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(ii) Chapters in Edited Books

2	<p>Title : Unsaturated Polyester resin Clay Hybrid Nanocomposites</p> <p>Author : K. Dinakaran, S.Devaraju and M.Alagar</p> <p>Book Name : Thermoset Nanocomposites</p> <p>Editor & Publisher : Prof. Vikas Mittal., Wiley-VCH, Germany</p> <p>Year : 2013</p> <p>Pages : 129-146</p> <p>ISBN No : 978-3-527-33301-1</p>	
3	<p>Title : Natural fibre reinforced Epoxy and UP resin composites</p> <p>Author : K. Dinakaran and M.Kesava</p> <p>Book Name : Spherical and Fibrous Filler Composites</p> <p>Editor & Publisher : Prof. Vikas Mittal., Wiley-VCH, Germany</p> <p>Year : 2016</p> <p>Pages : 127-156</p> <p>ISBN : 978-3-527-33457-5</p>	
4	<p>Title : Conducting polymer composites for EMI shielding applications</p> <p>Author : K. Dinakaran and A.Pangajam</p> <p>Book Name : Conducting polymer composites</p> <p>Publisher : Central West Publishers, Australia</p> <p>Year : 2019</p> <p>Chapter No. & Pages : 4, pp 95-118</p> <p>ISBN : 978-1-925823-22-6</p>	
5	<p>Title : Natural Fibre reinforced conducting polymer composites</p> <p>Author : K. Dinakaran, S. Kumar and A.Pangajam</p> <p>Book Name : Conducting polymer composites</p> <p>Publisher : Central West Publishers, Australia</p> <p>Year : 2019</p> <p>Chapter No. & Pages : 7, pp 195-212</p> <p>ISBN : 978-1-925823-22-6</p>	
6	<p>Title : Fuel cell applications of Polysulfone Derivatives, blends and nanocomposites</p> <p>Author : K. Dinakaran and A.Pangajam</p> <p>Book Name : Polymer Applications in Fuel Cell</p> <p>Publisher : Central West Publishers, Australia</p> <p>Year : 2019</p> <p>Chapter No. & Pages : 7, pp 187-204</p>	

ISBN	: 978-1-925823-37-0	
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(iii) **Publications in SCI/Scopus/WOS indexed journals**

		Publisher	Journal Impact Factor
	K.Dinakaran, N.Kavitha, S, Senthamilselvi, T. Gayathri, and Debmalya Roy (2022) Synthesis and Microwave absorption properties of Graphene/Nickel oxide hybrid nanostructures loaded PVDF composite thin films - submitted		
	M. Kesava, V. Saravanan and K. Dinakaran. PbS nanoparticles dispersed, phosphoric acid doped, aminated triazine based Poly(Aryl-Aliphatic Ethers) nanocomposite foams for High temperature proton exchange membrane fuel cell applications. – submitted		
	N.Kavitha, P. Prabukanthan, and K. Dinakaran, (2022) Enhanced dielectric properties of graphene /conjugated terpolymer blended polyvinylidene difluoride. submitted		
	T.Senthil, K.Srinivasan, A.Chandramohan, P.Prabukanthan, S.Uthaykumar and K.Dinakaran (2022) Bi ₂ S ₃ microparticles loaded conjugated random copolymer containing Tri-phenyl Pyridine and carbazole units for proton exchange membrane fuel cell applications. Submitted		
	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. Submitted to Soft Matter.	Royal Chem. Soc.,	4.04
	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 - Inpress	Elsevier	5.57
87	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 , https://doi.org/10.1002/er.8434	Wiley	4.67
86	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
85	Berlina.M.Mahimai, S.Gandhimathi, S.Karthikeyan, K.Dinakaran and D.Paradesi (2022) Sulfonated poly (ether ether ketone): unprecedented ion-exchange polymer electrolytes for fuel cell applications–A versatile review. Materials Advances , vol.3, pp6085–6095, https://doi.org/10.1039/D2MA00562J	Royal Chem. Soc.,	0
84	P. Prabukanthan, V. Bakyajothi, M.Saravanakumar, K. Dinakaran (2022) Physicochemical and DFT studies of organic NLO single crystal 4-methoxy-N-	Taylor & Francis	0.67

	(2-methyl-5-nitrophenyl) benzamide. Molecular Crystals and Liquid Crystals DOI: 10.1080/15421406.2022.2095436		
83	K. Dinakaran, N.Kavitha, P. Prabukanthan, and Debmalya Roy (2022) Synthesis and Characterization of Lead Sulfide – Graphene Hybrid Nanostructure Embedded Polyvinylidene Difluoride Composites - Int. J. Polymer analysis and Characterization , vol.27(5), pp277-288 https://doi.org/10.1080/1023666X.2022.2067958	Taylor & Francis	2.58
82	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 -methylaniliniu m-4 -methylbenzenesulfonate organic single crystal: Experimental and computational approach. Materials today proceedings . https://doi.org/10.1016/j.matpr.2022.05.276	Elsevier	1.24
81	N.Kavitha, M.Elavarasan, R.Ramachandran, S.Uthayakumar A.Chandramohan and K.Dinakaran. Polymer nanohybrid composites as conductive platform for the electrochemical sensing of pathogens- Current Research in Green and Sustainable Chemistry - https://doi.org/10.1016/j.crgsc.2022.100316	Elsevier	0.65
80	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
79	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
78	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
77	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
76	R.Parkavi, G. Madhan, K.Sathishkumar, A.Chandramohan and K. Dinakaran (2022) Optical detection of Copper and Cadmium from aqueous solution using arylidenemalanonitriles. <i>Asian J. Res. Chem.</i> – 15(1), 19-26. DOI: 10.52711/0974-4150.2022.00003	A & V	0.15
75	A. Pangajam, A.Chandramohan, P.Prabukanthan, K. Dinakaran, (2022) pH Selective Fluorometric Detection of E. coli using water soluble Cationic Polyphenothiazine Derivatives). Energy and Environment - <i>accepted</i>	AIP	--
74	Amalorpavadoss A, Kumar. S, Pavunkumar V, Chandramohan A, Dinakaran. K, (2022) Synthesis, Characterization and anti-Corrosion Property of Mesoporous	Taylor & Francis	2.7

	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		
73	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
72	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
71	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
70	P.Prabukanthan, V.Bhakyajothi, M. Saravana Kumar G.Harichandran, K.Dinakaran P.Seenuvasakumaran. (2021) Synthesis, spectroscopic analysis and DFT studies of N-(2-methyl-5-nitro-phenyl)benzamide organic single crystal. Journal of Molecular Structure , 1246, 131172. https://doi.org/10.1016/j.molstruc.2021.131172 .	Elsevier	3.2
69	A.Amalorpavadoss, N.Kavitha, A.Chandramohan, P. Santhiya, K.Dinakaran, (2021) Synthesis and characterization of piperazine containing polyaspartimides blended polysulfone membranes for fuel cell applications. Journal of Solid State Electrochemistry . 25(4), 1421-1431 https://doi.org/10.1007/s10008-021-04924-y	Springer	2.64
68	S. Kumar, A. Hariharan, M. Alagar, Debmalya Roy and K. Dinakaran. (2022) Synthesis and Characterization of graphene oxide reinforced Triphenyl pyridine-based polyimide composites having UV shielding and low k properties. Composite Interfaces . Vol.29(1), pp37-55 https://doi.org/10.1080/09276440.2021.1888619	Taylor & Francis	2.7
67	M. Kesava and K. Dinakaran (2021) SnO ₂ nanoparticles assisted enhanced Proton Exchange Membrane Fuel Cell performance of sulfuric acid doped porous Poly(triphenylpyridine - aliphatic ethers). Journal of Physical Chemistry C , 125, 130-140. https://doi.org/10.1021/acs.jpcc.0c08739	Am. Chem. Soc.	4.2
66	M. Kesava and K. Dinakaran (2021) SnO ₂ Nanoparticles dispersed Carboxylated Poly(arylene ether sulfones) nanocomposites for proton exchange membrane fuel cell (PEMFC) applications. International Journal of Hydrogen Energy , Volume 46, Issue 1, pp1121-1132 doi.org/ 10.1016/j.ijhydene.2020.09.178 .	Elsevier	5.8
65	S. Kumar, A. Hariharan, M. Alagar and K. Dinakaran (2021) Low-k and UV shielding nanocomposites of polybenzoxazines synthesised from quinoline amine and bio-silica. Composite Interfaces . 28(9), 905-923. https://doi.org/10.1080/09276440.2020.1833594	Taylor & Francis	2.7

64	N. Kavitha S.enthamil Selvi, R. Rajakumari, R.Suresh Kumar, Debmalaya Roy & K.Dinakaran (2021) Synthesis and characterization of Ag/Au-MnO ₂ nanostructure embedded polyvinylidene difluoride high K nanocomposites. Int. Journal of Polymer Analysis and Characterization , vol.26, pp37-46. https://doi.org/10.1080/1023666X.2020.1840864	Taylor & Francis	2.58
63	A.Pangajam, G.Harichandran and K.Dinakaran., (2020) Rapid and sensitive electrochemical detection of DNA with silver nanoparticle dispersed poly(9,9-dioctylfluorene-ran-phenylene) nanocomposites. International Journal of Nanodimension , Vol.11(4), pp364-376	IAU	Nil
62	Tse-Wei Chen, R. Ramachandran, Shen-Ming Chen, N. Kavitha, K. Dinakaran, R. Kannan, G. Anushya, N. Bhuvana, J. Tharini, M. Vinitha, S. Divya Rani and S. Chitra. (2020) Developing Low-Cost, High Performance, Robust and Sustainable Perovskite Electrocatalytic Materials in the Electrochemical Sensors and Energy Sectors: "An Overview" Catalysts , 10(8), 938.	MDPI	3.5
61	Elavarasan Munirathinam, Kesava Munusamy, Thomas C.-K. Yang, Ja-Hon Lin, Dinakaran Kannaiyan, Kasimayan Uma, (2020) Active Synthesis of Graphene Nanosheet-Embedded PbS Octahedral Nanocubes for Prompt Sonocatalytic Degradation. Journal of Inorganic and Organometallic Polymers and Materials . DOI: 10.1007/s10904-020-01531-8.	Springer	1.4
60	A.Pangajam and K.Dinakaran., (2020) Highly sensitive electrochemical detection of E. coli O157:H7 using conductive Carbon dot/ZnO nanorod/PANI composite electrode. Sensing and Bio-Sensing Research , Inpress, 10.1016/j.sbsr.2019.100317	Elsevier	1.01
59	R. Parkavi, N. Kavitha J. Lekha, K. Dinakaran (2020) Ratiometric fluorescent detection and removal of cadmium ions from aqueous solution using Indole functionalized Polysulfone. Asian J. Research Chem. 13(4):255-260.	A & V	0.15
58	R Ramachandran , Shen Ming Chen , Thangaraj Baskar , Perumal Elumalai , Paulsamy Raja , Tse-Wei Chen , Ramanujam Kannan , Dinakaran Kannaiyan and Gnana Kumar George. (2019) Developments on Electrochemical Sensors for Detection of Toxic and Bioactive Molecules. Inorg. Chem. Front. , 6, 3418-3439	Royal Chem. Soc.,	5.9
57	Durgadevi. G, Ajaykumar. S, Murugan K, Benelli G, Dinakaran K (2019) A highly photocatalytic CdS nanoparticle anchored silica-titania mixed oxide mesoporous particles: Synthesis, characterization and discoloration of textile effluent studies. International Journal of Nanodimension , 10(3), 272-280	IAU	Nil
56	Shanmugam Nagendiran, Ayyavu Chandramohan, Kannaiyan Dinakaran and Muthukaruppan Alagar (2019) Octahedral oligomeric silsesquioxane (OAPS and OG) - Polyimide hybrid nanocomposite films: thermo-mechanical dielectric and morphology properties. Journal of Macromolecular Science: Pure and Applied Chemistry , 56(12), 1082-1096.	Taylor and Francis	1.06
55	K.Deepa, M.Kesava, R.Sureshkumar, K.Dinakaran, G.Arthanareeswaran. (2018) Synthesis and electrochemical properties of blend membranes of polysulfone and poly (acrylic acid-co-2-(2-(piperazin-1-yl) ethylamino)-2-hydroxyethyl methacrylate) for proton exchange membrane fuel cell. International Journal of Hydrogen Energy , 43(47), 21760-21768	Elsevier	5.8

54	Kumaran R, Dinesh kumar S, Alagar M, Balasubramanian N, Subramanian V, Dinakaran K. (2018) Electromagnetic Interference (EMI) shielding performance of lightweight Metal decorated Carbon nanostructures dispersed Polyvinylidene fluoride flexible films. New Journal of Chemistry , 42, 12945-12953	Royal Chem. Soc.,	3.2
53	Srinivasan K, Subramanian K, Murugan K, Benelli G, Dinakaran K (2018) Fluorescence Quenching of MoS ₂ Nanosheets/DNA/Silicon Dots Nanoassembly: Detection of Hg ²⁺ ions in aqueous solution. Environmental Science and Pollution Research 25(11), 10567–10576	Springer	2.78
52	S. Nagendiran, K.Dinakaran, M. Alagar and Ian Hamerton (2018) Synthesis and characterization of Organosoluble radiation resistant composite materials from Octa(maleimidophenyl)Silsesquioxane and aryldiamines. Polymers for Advanced Technologies 29(4), 1261-1270	Wiley	3.66
51	Hariharan A, Kumar S, Dinakaran K, Subramanian K (2018) Tetra aryl substituted Imidazole Based Polyimides: Synthesis, Photophysical and Electrochemical Properties. Polymer Bulletin , 75(1), 93–107	Springer	1.3
50	A. Hariharan, M. Kesava, M. Alagar, K. Dinakaran, and K. Subramanian (2018) Optical, electrochemical and thermal behaviour of polybenzoxazine copolymers incorporated with tetraphenylimidazole and diphenylquinoline. Polymers for Advanced Technologies , 29(1), 355-363	Wiley	3.66
49	Srinivasan K, Rajasekar A, Subramanian K, Murugan K, Benelli G, Dinakaran K (2017) A Sensitive Optical Sensor Based on DNA Labeled Si@SiO ₂ Core–Shell Nanoparticle for the Detection of Hg ²⁺ ions in aqueous solution. Bulletin of Materials Science . 40(7), 1455-1462	Springer	1.1
48	V. Devi, M. Selvaraj, P. Selvam, A. Ashok Kumar, S. Sankar, K. Dinakaran (2017) Preparation and characterization of CNSR functionalized Fe ₃ O ₄ magnetic nanoparticles: An efficient adsorbent for the removal of cadmium ion from water. Journal of Environmental Chemical Engineering , 5, 4539–4546	Elsevier	1.4
47	Banupriya C, Srinivasan K, Rajasekar A, Murugan K, Benelli G, Dinakaran K. (2017) Metal enhanced fluorescence mediated assay for the detection of Hg(II) ions in aqueous solution from rhodamine B and Silver nanoparticle embedded silica thin film. Chinese Chemical Letters , 28, 1399-1405.	Elsevier	2.0
46	Srinivasan K, Subramanian K, Murugan K, Dinakaran K. (2016) Sensitive fluorescence detection of mercury(II) in aqueous solution by the fluorescence quenching effect of MoS ₂ with DNA functionalized carbon dots. Analyst , 141, 6344 – 6352.	Royal Chem. Soc.,	4.03
45	Kumaran R, Dinesh kumar S, Balasubramanian N, Alagar M, Subramanian V, Dinakaran K. (2016) Enhanced Conductivity and Electromagnetic Interference shielding in an Au-MWCNT dispersed PVDF flexible thin films. Journal of Physical Chemistry C , 120 (25), pp 13771–13778	Am. Chem. Soc.,	4.7
44	Kumaran R, Alagar M, Dinesh Kumar S, Subramanian V, Dinakaran K (2015) Ag induced EMI shielding of Ag-graphite/PVDF flexible nanocomposites thin films. Applied Physics Letters 107: 113107	Am. Inst., Phys.,	3.5

43	Hariharan A, Subramanian K, Alagar M, Dinakaran K (2015) Conjugated Donor-Acceptor copolymers derived from Phenylenevinylene and Tri Substituted Pyridine units: synthesis, optical and electrochemical properties. High Performance Polymers 27(6): 724–733	Sage	1.09
42	Selvi N, Sankar S and Dinakaran K (2015) Effect of ZnO shell on the structure and optical property of TiO ₂ core@shell hybrid nanoparticles. Journal of Materials Science: Materials Electronics 26(4): 2271-2277	Elsevier	1.9
41	Devi V, Ashok Kumar A, Sankar S and Dinakaran K (2015) Palladium nanoparticle anchored Polyphosphazene nanotubes: Preparation and catalytic activity on aryl coupling reactions. Bulletin of Materials Science 38(3): 607-610 [Springer] (Impact factor: 1.0).	Springer	1.0
40	Selvi N, Sankar S and Dinakaran K (2015) Interfacial effect: magnetism in pure ZrO ₂ , ZnO and SiO ₂ coated core/shell/shell hybrid nanoparticles. Journal of Materials Science: Materials Electronics 26: 273-279	Elsevier	1.9
39	Selvi N, Sankar S and Dinakaran K (2015) Annealing temperature dependent on the synthesis and characterization of ZrO ₂ @ ZnO coated ZrO ₂ core-shell microspheres. High Temperatures--High Pressures 44(4): 285-296.		0.9
38	Srinivasan K, Thiruppathiraja C, Saroja V, Kamatchiammal S, Dinakaran K (2014) Dual labeled Ag@SiO ₂ Core-Shell nanoparticles based Optical immuno sensor for Sensitive detection of E. Coli. Materials Science and Engineering – C 45: 337-342	Elsevier	5.08
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