


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 from 2013 to till date)

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

Research area : Synthesis of Organic Polymers & Nanohybrids

h-Index : **23**

i10 index : 41

Research guidance / supervision:

Programmes of Study	Completed	in Progress
Ph.D	7	4
M.Phil Dissertation	11	0
M.Sc Dissertation	27	5

Research Papers

Published in International Journals	Published in National Journals	Presented in International Conferences	Presented in National Conferences
82	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

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 Organized

S.No	Name of the Event	Period	Role
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	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

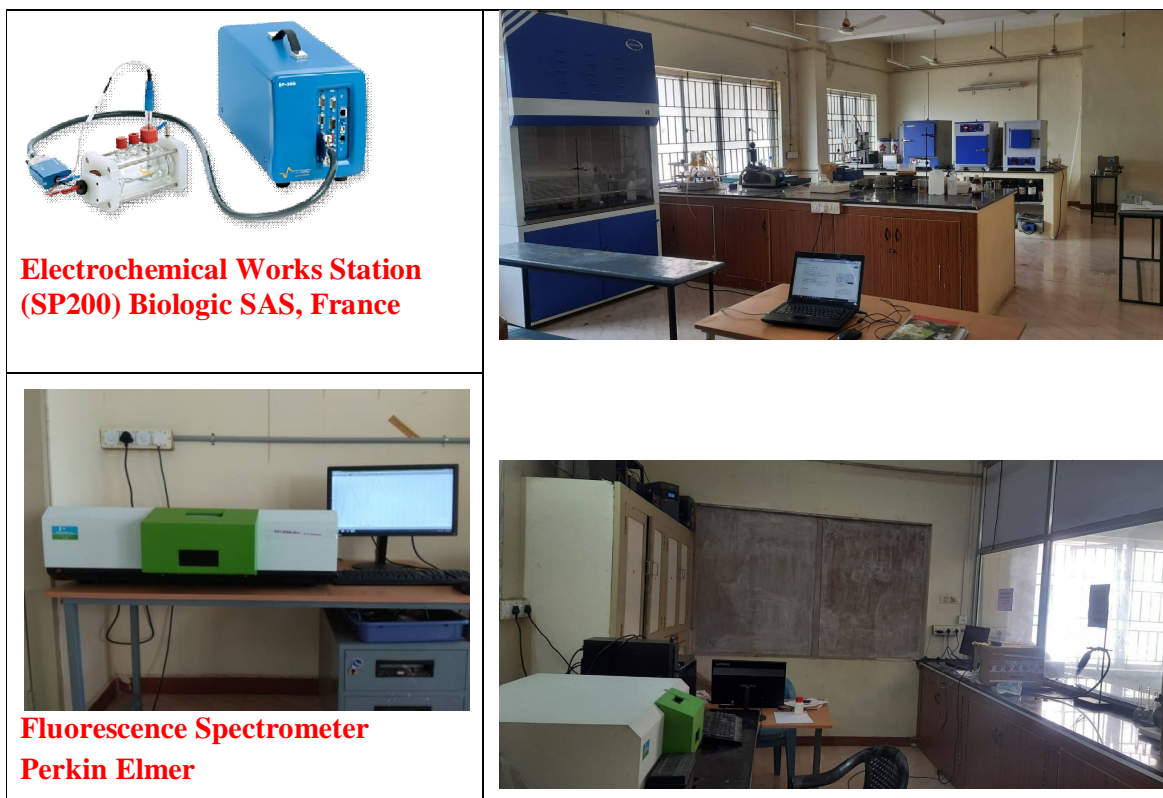
Canada

South Korea

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

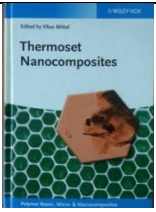

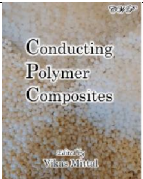
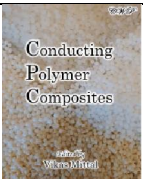
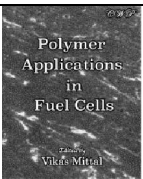


LIST OF PUBLICATIONS

(i) Text Books

84	Title: Engineering Chemistry Publishers: Central West Publishers, Australia Year: 2018 ISBN: 978-1-925823-10-3	TEXT BOOK Engineering Chemistry K. Dinakaran G. Sankumar
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(ii) Chapters in Edited Books

83	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	
82	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	
81	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	
80	Title : Natural Fibre reinforced conducting polymer composites Author : K. Dinakaran , S. Kumar and A.Pangajam Book Name : Conducting polymer composites Publisher : Central West Publishers, Australia Year : 2019 Chapter No. & Pages : 7, pp 195-212 ISBN : 978-1-925823-22-6	
79	Title : Fuel cell applications of Polysulfone Derivatives, blends and nanocomposites Author : K. Dinakaran and A.Pangajam Book Name : Polymer Applications in Fuel Cell Publisher : Central West Publishers, Australia Year : 2019 Chapter No. & Pages : 7, pp 187-204 ISBN : 978-1-925823-37-0	

(iii) Publications in SCI/Scopus indexed journals

		Publisher	Journal Impact Factor
	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- submitted to Current Research in Green and Sustainable Chemistry	Elsevier	
	K. Dinakaran, N.Kavitha, P. Prabukanthan, and Debmalya Roy (2022)	Springer	

	Synthesis and Characterization of Lead Sulfide – Graphene Hybrid Nanostructure Embedded Polyvinylidene Difluoride Composites - submitted to Journal of Solid state electrochemistry		
	K.Dinakaran, N.Kavitha, T. Gayathri, S, Senthamilselvi and Debmalya Roy (2022) Synthesis and Microwave absorption properties of Graphene/Nickel oxide hybrid nanostructures loaded PVDF composite thin films - submitted to Composite Interfaces	Taylor and Francis	
	T Senthil, P. Vasanthi, A.Chandramohan, P.Prabukanthan, G.Harichandran and K.Dinakaran, (2022) Synthesis and Characterization of Manganese Doped Cobalt Oxide porous nanoparticles Dispersed Epoxy composites – submitted to Materials today proceedings	Elsevier	1.24
78	Gayathri T, Kavitha N, Chandramohan A, Harichandran G, Dinakaran K., (2022) Mesoporous Zirconia Nanostructures Embedded Polyvinylidene difluoride Conducting Films for EMI Shielding. - Materials Today Proceedings - 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. Asian J. Res. Chem. - Inpress	A & V	--
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 , 2022 - accepted	AIP	--
74	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 . https://doi.org/10.1080/09276440.2021.2015150 .	Taylor and Francis	2.7
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. (2021) Synthesis and Characterization of graphene oxide reinforced Triphenyl pyridine-based polyimide composites having UV shielding and low k properties. Composite Interfaces . https://doi.org/10.1080/09276440.2021.1888619	Taylor and 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, Pages 1121-1132 doi.org/10.1016/j.ijhydene.2020.09.178 .	Elsevier	5.8
65	S. Kumar, A. Hariharan, M. Alagar and K. Dinakaran (2020) Low-k and UV shielding nanocomposites of polybenzoxazines synthesised from quinoline amine and bio-silica. Composite Interfaces . https://doi.org/10.1080/09276440.2020.1833594 [Taylor and Francis] (Impact factor 2.7)	Taylor and Francis	2.7
64	N. Kavitha S.enthamil Selvi, R. Rajakumari, R.Suresh Kumar, Debmalya 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 and 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	Springer	1.4

	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.		
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. <i>Asian J. Research Chem. 13(4):255-260.</i>	A & V	--
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	Springer	1.3

	substituted Imidazole Based Polyimides: Synthesis, Photophysical and Electrochemical Properties. Polymer Bulletin , 75(1), 93–107		
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
37	Selvi N, Sankar S and Dinakaran K (2014) Interfacial effect on the Structural and Optical Properties of Pure SnO ₂ and Dual Shells ZnO; SiO ₂ Coated SnO ₂ Core-Shell Nanospheres by Co-precipitation Method. Superlattices and Microstructures 76: 277–287	Elsevier	1.9
36	Srinivasan K, Thiruppathiraja C, Subramanian K, Dinakaran K (2014) Sensitive Detection of C.parvum using Near Infrared emitting Ag ₂ S@silica core-shell nanospheres. RSC Advances .4 (107): 62399 – 62403	Royal Chem. Soc.,	3.8
35	Selvi N, Padmanaban N, Sankar S and Dinakaran K (2014) Effect of ZnO, SiO ₂ dual shells on CeO ₂ hybrid core–shell nanostructures and their structural, optical and magnetic properties. RSC Advances . 4: 55745-55751	Royal Chem. Soc.,	3.36
34	Selvi N, Sankar S and Dinakaran K (2014) Synthesis, Structural and Optical characterization of ZrO ₂ and ZrO ₂ /ZnO/SiO ₂ core/shell/shell nanostructures. Journal of Materials Science: Materials Electronics 25(11): 5078-5083	Elsevier	2.1
33	Selvi N, Sankar S, Dinakaran K (2013) Surfactant assisted synthesis and multifunctional features of Fe ₃ O ₄ @ZnO@SiO ₂ core–shell nanostructure. Journal of Materials Science: Materials. Electronics 24: 4873-4880	Elsevier	2.1
32	J-M Jiang, M-C Yuan, Dinakaran K, Hariharan A and K-H .Wei (2013) Crystalline donor–acceptor conjugated polymers for bulk heterojunction photovoltaics. Journal of Materials Chemistry – A 1: 4415-4422	Royal Chem. Soc.,	11.3
31	Vengatesan M.R, Devaraju S, Dinakaran K and Alagar M (2013) Ultrasound-assisted synthesis of benzoxazine monomers: Curing studies of benzoxazine monomers, thermal and mechanical properties of polybenzoxazines, Polymer International 62: 127-133	Wiley	2.57
30	Chandramohan A, Mandhakini M, Dinakaran K and Alagar M (2013) Thermal, electrical and morphological properties of DGEBA/DDM and TGDDM/ DDM epoxies modified by a flexible diepoxide and octaphenylamine-POSS. Journal of Reinforced Plastics and Composites 32: 602-611	Sage	1.18
29	Chandramohan A, Vengatesan MR, Devaraju S, Dinakaran K, Alagar M (2013) Organoclay-filled vinyl ester monomer toughened epoxy-intercrosslinked matrix materials, International Journal of Polymeric Materials and Polymeric Biomaterials 62(6): 301-308	Taylor & Francis	2.2

28	Chandramohan A, Mandhakini M, Dinakaran K, Alagar M (2013) Synthesis and characterization of bismaleimide modified vinyl ester monomer-unsaturated polyester intercrosslinked hybrid matrices. Polymers & Polymer Composites . 21(4): 233-241	Taylor & Francis	1.74
27	Chandramohan A, Dinkaran K, Ashok Kumar A, and Alagar M (2012) Synthesis and characterization of epoxy modified cyanate ester POSS nanocomposites. High Performance Polymers 24: 405-417	Sage	1.09
26	Chandramohan A, Mandhakini M, Dinakaran K and Alagar M (2012) Preparation and Characterization of Vinyl Ester Monomer–Toughened Epoxy-Clay Hybrid Nanocomposites: Thermal and Morphological Properties. International Journal of Polymer Analysis and Characterization 17: 477-484	Taylor & Francis	2.58
25	Vengatesan MR, Devaraju S, Dinakaran K and Alagar M (2012) Benzoxazine Functionalized SBA-15(BZ-SBA-15) filled polybenzoxazine nanocomposites for low-k dielectric application. Journal of Materials Chemistry 22: 7559-7566	Royal Chem. Soc.,	11.3
24	Dinakaran K, Chandramohan I, Venkatesan M.R, Alagar M (2011) Surface Plasmon enhanced photoluminescence of rhodamine B confined in SBA15. Bull. Korean. Chem. Soc 32: 3861-3864	Korean Chem., Soc.,	0.9
23	Venkatesan M.R, Dinakaran K, Devaraj V, Alagar M (2011) Studies on thermal and dielectrical properties of organoclay and POSS filled novel Polybenzoxazine (PBZ) hybrid nanocomposites. Polymer composites 32: 1701–1711	Wiley	2.26
22	Dinakaran K, Yoon Hee Jang, Min-Ah Cha, Saji Thomas Kochuveedu, Dong Ha Kim (2010) Arrays of Hybrid Silica-Titania Nanodots/Nanowires with Enhanced Photophysical Properties via Co-assembly of Block Copolymers and Sol-Gel Precursors. Polymers 2: 490-504	Royal Chem. Soc.,	4.3
21	Dinakaran K, Eynhee Kim, Nayoun Won, Kang Wook Kim, Yoon Hee Jang, Min ah Cha and Dong Ha Kim (2010) On the synergistic coupling of TiO ₂ - CdS Hybrid Nanostructures in Self-assembled PS-b-PEO/TiO ₂ /CdS Hybrid Thin Films. Journal of Materials Chemistry 20: 677-682	Royal Chem. Soc.,	11.3
20	Dinakaran K, Min-Ah Cha, Yoon Hee Jang, Dong Ha Kim (2009) Efficient Photocatalytic Hybrid Ag/TiO ₂ Nanodot Arrays Integrated into Nanopatterned Block Copolymer Thin Films. New Journal of Chemistry 33: 2431-2436	Royal Chem. Soc.,	3.2
19	Min-Ah Cha, Changhak Shin, Dinakaran K, Yoon Hee Jang, Saji Thomas Kochuveedu, Du Yeol Ryu, Dong Ha Kim (2009) A versatile approach to the fabrication of TiO ₂ nanostructures with reverse morphology and mesoporous Ag/TiO ₂ thin films via co-operative PS-b-PEO self-assembly and a sol-gel process. Journal of Materials Chemistry 19: 7245 – 7250	Royal Chem. Soc.,	11.3
18	Dinakaran K and Toyoko Imae (2009) pH dependant encapsulation of pyrene in PPI-core PAMAM shell dendrimer. Langmuir 25: 5282-5285.	Am. Chem. Soc.,	3.8
17	Dinakaran K, Chaio Hung Chou, So-Lin Hsu and Kung-Hwa Wei (2005) Synthesis and characterization of an efficiently fluorescent	Am. Chem.	5.9

	polyphenylenevinylene possessing pendant dendritic phenyl groups. Macromolecules 38: 10429-10435	Soc.,	
16	C-H Chou, S-L Shu, Dinakaran K, Kung-Hwa Wei (2005) Synthesis and characterisation of luminescent polyfluorenes incorporating side-chain tethered polyhedral oligomeric silsesquioxane units (POSS). Macromolecules 38: 745-751	Am. Chem. Soc.,	5.9
15	Dinakaran K and Alagar M (2005) Bismaleimides (N,N'-bismaleimido-4,4'-diphenylmethane and N,N'-bismaleimido-4,4'-diphenylsulphone) modified Bisphenol dicyanate - epoxy matrices for Engineering Applications. Materials and Manufacturing Processes 20: 299-315 [Taylor & Francis] (Impact factor: 1.6).	Taylor & Francis	3.04
14	Dinakaran K, Chaio Hung Chou, So-Lin Hsu and Kung-Hwa Wei (2004) Synthesis and Characterization of Fluorescent Poly(fluorene-co-phenylene-1-(di-2-pyridylamine)) Copolymer and its Ru(II) Complex- Journal of Polymer Science: Chemistry Ed. 42: 4838-4846	Wiley	2.59
13	Dinakaran K and Alagar M (2004) Synthesis and Characterisation of 1,1'-bis(3-methyl -4-cyanatophenyl) cyclohexane epoxy - bismaleimide matrices. High Performance polymers 16: 359-379	Sage	1.09
12	Dinakaran K and Alagar M (2004) Mechanical Properties of Bismaleimide (N,N'-bismaleimido-4,4'- diphenylmethane)-Vinyl ester Oligomer modified unsaturated Polyester intercrosslinked Matrices for Advanced Composites. Int. J. Polymeric Materials 53: 11-19	Taylor & Francis	1.98
11	Dinakaran K and Alagar M (2003) Studies on thermal and morphological properties of 1,1'-bis(3-methyl-4-cyanato phenyl) cyclohexane modified epoxy interpenetrating matrices. Polymers for Advanced Technologies 14: 544-556	Wiley	3.36
10	Dinakaran K and Alagar M (2003) Synthesis and Characterization of cyanate ester -epoxy Intercrosslinked Matrices / organoclay nanocomposites. Polymers for Advanced Technologies 14: 574-585	Wiley	3.36
9	Dinakaran K and Alagar M (2003) Development and Characterization of Vinyl ester Oligomer (VEO) modified Unsaturated polyester Intercrosslinked Matrices and Composites. Int. J. Polymeric Materials 52: 957-966	Taylor & Francis	1.98
8	Dinakaran K and Alagar M and Ashok Kumar A (2003) Thermal and morphological properties of Bisphenol dicyanate - Epoxy - bismaleimide Intercrosslinked Matrices. J. Macromol. Sci. Pure and Applied Chemistry A40: 847-861	Taylor & Francis	
7	Dinakaran K, Suresh Kumar R and Alagar M (2003) Preparation and Characterization of bismaleimide / 1,3-dicyanatobenzene modified - Epoxy Matrices. European Polymer Journal 39: 2225-2233	Elsevier	3.8
6	Ashok Kumar A, Dinakaran K and Alagar M (2003) Preparation and Characterization of Siliconized Epoxy - 1,2-bis(maleimido)ethane Intercrosslinked matrix materials. J. Appl. Polym. Sci. 89: 3808-3817	Wiley	3.12

5	Dinakaran K, Alagar M and Suresh Kumar R (2003) Preparation and Characterization of Bisphenol dicyanate - Epoxy - bismaleimide Matrices. J. Appl. Polym. Sci. 90: 1596-1603	Wiley	3.12
4	Dinakaran K and Alagar M (2002) Preparation and Characterization of Bismaleimide (N,N'-bismaleimido-4,4'-diphenyl methane) - Unsaturated polyester modified Epoxy Intercrosslinked Matrices. J. Appl. Polym. Sci. 85: 2853-2861	Wiley	3.12
3	Dinakaran K and Alagar M (2002) Preparation and Characterization of Bismaleimide (N,N'-bismaleimido-4,4'-diphenyl methane) – Vinyl ester Oligomer modified Unsaturated polyester Interpenetrating Matrices for advanced composites. J. Appl. Polym. Sci. 86: 2502-2507	Wiley	3.12
2	Alagar M, Ashok Kumar A, Mahesh K.P.O and Dinakaran K (2000) Studies on thermal and morphological characteristics of E glass/Kevlar 49 reinforced siliconized epoxy composites. European Polymer Journal 36: 2449-2454	Elsevier	3.8
1	Dinakaran K and Perumal P.T (2000) Microwave induced formation of 3-chloro-5-arylpenta-2,4-dien-1-als and 3-chloro-(5-formylaryl)penta- 2,4-dien-1-als by Vilsmeier reaction. Indian Journal of Chemistry Sec B. 18: 135-136	NISCAIR	0.4