

1	<b>Name</b>	M. VANJINATHAN
2	<b>Designation</b>	ASSISTANT PROFESSOR
3	<b>Department</b>	DEPARTMENT OF CHEMISTRY
4	<b>Employee Id</b>	752257
5	<b>Date of Birth</b>	13-12-1978
6	<b>Gender</b>	MALE
7	<b>Date of Appointment in this institution</b>	17-06-2009
8	<b>Experience in this institution</b>	___13___ Years ___06___ Months
9	<b>Official Email Id</b>	vanjinathan@dgvaishnavcollege.edu.in
10	<b>Blood Group</b>	B positive

11 EDUCATION DETAILS (from highest qualification):					
S.No	Degree	Institution	University	Year of Study	Grade/Class
1	Ph.D	Department of Polymer Science,	University of Madras, Guindy Campus	2007	-
2	M.Phil.	The New College	University of Madras,	2001	I
3	M.Sc.	The New College	University of Madras,	2000	I
4	B.Sc.	The New College	University of Madras,	1998	I

12 Details of ORIENTATION/REFRESHER COURSES attended:				
S.No	Orientation/Refresher	University/Institution	Duration	Date
1	Orientation course	Academic Staff College, University of Madras, Batch-116	(28 days)	20 <sup>th</sup> May 2014-16 <sup>th</sup> June 2014
2	Refresher course (Nano Science)	Academic Staff College, University of Madras	(21 days)	17 <sup>th</sup> November 2015- 07 <sup>th</sup> December 2015
3	Refresher course Chemistry	Academic Staff College, Madurai Kamaraj University	(21 days)	16 <sup>th</sup> November 2018- 06 <sup>th</sup> December 2018
4	Refresher course Chemistry	Academic Staff College, Kannur University, Kerala (online mode)	(14 days)	14 <sup>h</sup> August 2020- 27 <sup>th</sup> August 2020
5	Refresher course Chemistry	Academic Staff College, UGC, HRDC, Lucknow University, Lucknow. (online mode)	14 days	15 <sup>h</sup> Nov. 2021- 27 <sup>th</sup> Nov. 2021

13 Details of SEMINARS, CONFERENCES, WORKSHOPS, FDPs etc. attended:	
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**D.D.G.D. VAISHNAV COLLEGE (Autonomous)  
Arumbakkam, Chennai-600 106.**

**15 Details of visit as a RESOURCE PERSON:**

S.No	Type (Guest Lectures, Workshops, Conferences Or Seminars/ Ph.D, Viva-voce Examination)	Title	Institution Name	Date

S.No	Type (Regional/National/ International)	Theme (Workshop/Conference/Seminar/FDP)	Organized by	Durat ion	Date
1	National	UGC sponsored short term course on Spectroscopy and its applications in Modern Science	UGC-HRDC- Doctor Harisingh Gour Vishwavidyalay, Sagar. MP	07 days	18 <sup>th</sup> -24 <sup>th</sup> Feb. 2022
2	National Seminar	'UGC sponsored one day National Seminar on "Advances in Spectroscopic Techniques and Nanomaterials" (ASIN 2019)	PG and Research Department of Chemistry, The New College, Chennai		22 <sup>nd</sup> February 2019.
3	National Seminar	Electrochemical Corrosion and Its Impacts on Industries in Tamil Nadu"	S. A. Engineering College, Department of Science and Humanities and Department of Mechanical Engineering		8-9 <sup>th</sup> March 2019.

**14 Details of Papers published in CONFERENCES/attended Conferences:**

S.No	Type (Regional/National/ International)	Name of the Conference	Name of the paper presented /Attended	Organized by	Date
1	International Conference	Advances in Chemistry with Specific reference to Catalysis, sensors, drug delivery and energy materials (ICACSEM 2020)	Attended	Department of Physical Chemistry, University of Madras	9-10 <sup>th</sup> Jan 2020.
2	National Conference	"Sustainable Materials for Energy and Environmental Applications" (SMEEA -19) sponsored by DST-PURSE	Attended	Department of Chemistry, Anna University, Chennai	2 <sup>nd</sup> March 2019.

**16 Details of publication of Articles/ Chapters written in EDITED BOOKS:**

S.No	Book Name	Title of Articles/Chapters	Name & Address of the Publisher	Month & Year of Publication

<b>17</b>	<b>Details of individual/collaborative MAJOR/MINOR research project undertaken:</b>
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S.No	Title of the Project	Name & Address of the Collaborating Faculty	Funding Agency	Fund Sanctioned	Period	Duration

<b>18</b>	<b>Details on RESEARCH GUIDANCE:</b>
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S.No	Type (FT/PT)	Name of the candidate	Title of the Dissertation	University	Status	Awarded Date

<b>19</b>	<b>Details of papers published in JOURNALS:</b>
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S.No	Journal Type (National/International)	Name of the Journal	Title of the article	Name of the Co-authors	Vol No, Issue No, Page Nos, ISSN No/DOI	Month and year of Publication	Impact Factor/SCI/Scopus (if any)

<b>20</b>	<b>Details of AWARDS received:</b>
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S.No	Title of the Award	Awarding Agency / University / Government	Month/Year

<b>21</b>	<b>Details of MEMBERSHIP IN EDITORIAL BOARD/ACADEMIC AGENCIES/BODIES:</b>
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S.No	Name of the Journal/Magazine/Agency	Position in the Board	ISBN/ISSN No.(if any)	Year

<b>22</b>	<b>POSITIONS HELD in this institution:</b>
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S.No.	Institution/Department Level	Position	Duration

Research Papers published 11 (International), 02 National (Proceedings).

S. No	Title	Type of journal Nat/Int.Nat/ Monographs/ Chapters in book	Year and month
1.	Hyperbranched Poly(ether-urea)s using AB <sub>2</sub> -type Blocked Isocyanate Monomer and Azide Monomer : Synthesis, Characterization, Reactive End Functionalization and Copolymerization with AB monomer.	J. Polym. Sci. Part A: Polym. Chem., <b>(International)</b>	45, 2007, 2959- 2977.
2.	Synthesis and Properties of Hyperbranched Polyurethanes, Hyperbranched Polyurethane Copolymers with and without Ether and Ester Groups using Blocked Isocyanate Monomers.	J. Polym. Sci. Part A: Polym. Chem., <b>(International)</b>	45, 2007, 3877- 3893.
3.	Syntheses, Characterization, Optical Properties and Charge-Transfer Complexation Study of Fluorescent Poly aryl-ether-urea Dendrimers	J. Polym. Sci. Part A: Polym. Chem., <b>(International)</b>	46, 2008, 713-726.
4.	Synthesis, Characterization and Photophysical Properties of DCM based Light Harvesting Dendrimers.	Macromol. Chem. Phy. <b>(International)</b>	2011, 212, 849- 859
5.	Design, Syntheses, Photophysical, and Electrochemical Properties of DCM-Based Conjugated Polymers for Light Emitting Devices.	J. Polym. Sci. Part A: Polym. Chem. <b>(International)</b>	2012, 50, 3806- 3818
6.	Synthesis, thermal and solar cell application of novel hyperbranched polyurethanes containing azomethine and aryl-ether connectivities.	High Perform. Polym. <b>(International)</b>	2012, 24 (7), 561- 570 .
7.	Performance of Novel Hyperbranched Poly(aryl-ether-urea)s Doped with N3-Dye in Nano-crystalline DSSC.	J. Appl. Polym. Sci. <b>(International)</b>	<b>2014</b> , 131 , 40408 .
8.	Synthesis and Properties of Aromatic Hyperbranched Polyureas and Hyperbranched Copolyureas Using Blocked Isocyanate Monomers	Int. J. Adv. Chem. Sci. App <b>(International)</b> .	2347- 761X, Volume - 1, Issue - 2, 2014, 31-34.
9	Role of Hydrogen-bonding and Photoinduced Electron Transfer (PET) on the interaction of Resorcinol based Acridinedione dyes with Bovine Serum Albumin (BSA) in water	J. Luminescence <b>(International)</b>	52, 164, 146-153

10	Photophysical studies of a food hydrocolloid, Gum Arabic with resorcinol based acridinedione dyes in water	J. Photochem. Photobiology A: Chemistry <b>(International)</b>	341, 2017, 78-86.
11	Synthesis, electrolyte properties and solar cell performance of hyperbranched poly(aryl-ether-urea)s	J. Macromol. Sci. Part A Pure and Applied Chemistry <b>(International)</b>	2017, 54, 12, 978–985.
12	Photophysical and Electrochemical studies of 4-dicyanomethylene 2, 6-dimethyl-4H-pyran (DDP) dye with amides in water	Journal of Fluorescence <b>(International)</b>	2018, 28, 1379-1391
13	Spectroelectrochemical Investigation of 4-Dicyanomethylene 2, 6-Dimethyl-4H-Pyran (DDP) Dye with Guanidine Hydrochloride (GuHCl) in Water	J. Mater. Sci. Res. <b>(International)</b>	2019, 8, 6-17
14	Electrostatic Investigation of 4-Dicyanomethylene-2,6-dimethyl-4H-pyran (DDP) Dye with Amide Derivatives in Water	ACS Omega <b>(International)</b>	2020, 5, 751-757
15	Fluorescence coupled with electrochemical approach at the bulk and the interface region of hydrogen-bonding self-assemblies of urea derivatives with DDP dye in aqueous solution	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	117914, 229, 2020

### List of Symposia Proceedings

S. No	Title	Type of journal National/International / Monographs/ Chapters in book	Year and month
1.	Synthesis and photophysical properties of pyrene based light harvesting dendrimers	Proceedings of National Conference on Recent Advances in Materials and Methods in Chemistry, Ed. by Kamaraj. P, and Arthanareeswari. M, Sathya Publications, Chennai.	ISBN No. 978-81-907519-2-6, pp: 119-121 (2010)
2.	Polymerization of Acrylonitrile initiated by KBrO <sub>3</sub> -Thiourea Redox system-A kinetic study.	Proceedings of National Conference on Recent Advances in Materials and Methods in Chemistry, Ed. by Kamaraj. P, and Arthanareeswari. M, Sathya Publications, Chennai.	ISBN No. 978-81-907519-2-6, pp: 134-135 (2010)