

**D.D.G.D. VAISHNAV COLLEGE (AUTONOMOUS)**

<b>1</b>	<b>Name</b>	Dr R.Kumaran
<b>2</b>	<b>Designation</b>	Assistant Proefssor
<b>3</b>	<b>Department</b>	Chemistry
<b>4</b>	<b>Employee Id</b>	752255
<b>5</b>	<b>Date of Birth</b>	07/06/1975
<b>6</b>	<b>Gender</b>	Male
<b>7</b>	<b>Date of Appointment in this institution</b>	01.02.2008
<b>8</b>	<b>Experience in this institution</b>	15 years
<b>9</b>	<b>Official Mail Id</b>	Kumaran@dgvaishnavcollege.edu.in
<b>10</b>	<b>Blood Group</b>	B +

<b>11 EDUCATION DETAILS (from highest qualification):</b>					
<b>S.No.</b>	<b>Degree</b>	<b>Institution</b>	<b>University</b>	<b>Year of study</b>	<b>Grade/Class</b>
1	Ph.D	National Centre for Ultrafast Processes (NCUFP)	University of Madras	2004-08	
2	M.Phil.	Pachiyappas College, Chennai	University of Madras	1997-98	
3	DCPIC	Annamalai University	Annamalai University	1997-98	
4	M.Sc (Chemistry)	Pachiyappas College, Chennai	University of Madras	1995-97	First
5	B.Sc (Chemistry)	Loyola College, Chennai	University of Madras	1992-95	First

<b>12 Details of ORIENTATION/REFRESHER COURSES attended:</b>				
<b>S.No.</b>	<b>Orientation/Refresher</b>	<b>University/Institution</b>	<b>Duration</b>	<b>Date (from-to)</b>
1	Orientation programme Batch 116 organized by Academic Staff College, University of Madras, Chennai,	University of Madras	28 Days	20.05.2014-16.06.2014
2	Refresher course in Chemical Sciences Batch XXV organized by HRDC, University of Madras,	University of Madras	21 Days	11.08.2015-31.08.2015
3	Summer School Refresher Course in Nano Science (Interdisciplinary) Batch IX organized by HRDC and RCCB, University of Madras	University of Madras	21 Days	04.07.2018-24.08.2018

4	Refresher course in Chemical Sciences organized by UGC-HRDC, Kannur University	Kannur University, Kannur	14 Days	14.08.2020-27.08.2020
5	Refresher course in Chemical Sciences organized by UGC-HRDC, Lucknow University	Lucknow University	14 Days	15.11.2021-27.11.2021

<b>13 Details of SEMINARS, CONFERENCES, WORKSHOPS, FDPs etc. attended:</b>					
<b>S.No</b>	<b>Type (Regional/ National/ International)</b>	<b>Theme (Workshop /Conference/ Seminar/ FDP)</b>	<b>Organized by</b>	<b>Duration</b>	<b>Date</b>
	National	Refresher course on Lasers and Applications in chemical processes	Indian Academy of Sciences and National Centre for Ultrafast processes	12 Days	19 <sup>th</sup> –31 <sup>st</sup> January 2004.
	National	Refresher course on Photonics and Materials	Indian Academy of Sciences and National Centre for Ultrafast processes,	12 Days	14 <sup>th</sup> –27 <sup>th</sup> February 2005.
	National	Workshop on Radiation and Photochemistry – Organised jointly by i from	Bhaba Atomic Research Centre (BARC), Mumbai, and Indian Society for Radiation and Photochemical Sciences (ISRAPS) at The Homi Bhaba Centre for Science Education, Mumbai	3 Days	2-4, January, 2006.
	National	SERC School on Ultrafast studies - Organised by from	Department of Science & Technology at School of Physics, University of Hyderabad,	21 Days	10-29, July 2006.
	National	3 <sup>rd</sup> CRSI-RSC Symposium -	NCL, Pune,	1 Day	February 5, 2009.
	Regional	Workshop on Free open source in chemistry for teaching and research	AU-KBC Centre, MIT, Chennai	1 Day	Nov 15, 2009.
	National	Fifteenth National Convention on Electrochemists (NCE-15)	VIT University in Colloboration with SAEST, CRCRI, araikudi	2 Days	18-19 <sup>th</sup> February 2010.
	National	A Two days Workshop on	SRM University,	2 Days	19-20 <sup>th</sup>

		Advanced Analytical Techniques for Materials Characterization	Chennai		July 2011.
	National	CRSI interaction meeting with Under-graduate and Post-graduate Chemistry Students	CSIR-CLRI , Chennai	1 Day	25 <sup>th</sup> November 2011.
	Regional	Academies Sponsored three day Lecture-Workshop on “Emerging Trends in Chemistry” from at Queen Mary’s College, Chennai	Indian National Science Academy, Indian Academy Science and The National Academy of Sciences.	3 Days	2 <sup>nd</sup> to 4 <sup>th</sup> December 2011
	National	National Seminar on Insight into Recent Trends in Chemical Research at	A.M.Jain College, Chennai.	1 Day	16 <sup>th</sup> December 2011
	Regional	UGC –CPE Sponsored Workshop on Microscale Experiments in Chemistry (MEC-12)	Department of Chemistry, Loyola College, Chennai.	1 Day	9 <sup>th</sup> February 2012
	Regional	One day workshop on “Better Graduates for Better Tomorrow ”	Pearson Education system	1 Day	1 <sup>st</sup> September 2012
	Regional	One day Seminar on “Recent Trends in Green Chemistry”	SSN College of Engineering Tamil Nadu.	1 Day	3 <sup>rd</sup> November
	National	One day National Workshop on “Role of nanomaterials in Science and Engineering	RMK College of Engineering and Technology, Tamil Nadu.	1 Day	3 <sup>rd</sup> December 2012
	National	National Conference on Green Chemistry	Department of Chemistry, Presidency College, Chennai, Tamil Nadu.	1 Day	10 <sup>th</sup> February 2012
	National	National Conference on Green Chemistry for a Greener Planet	Department of Chemistry, Anna Adarsh College for Women Chennai, Tamil Nadu.	1 Day	12 <sup>th</sup> September 2018
	International;	ICRAMC-2018	SRM University,	3 Days	14 <sup>th</sup> to 16 <sup>th</sup> February 2018
	International;	ICRAMC-2019	SRM University,	3 Days	13 <sup>th</sup> to 15 <sup>th</sup> February 2019
	International;	ICRAMC-2021	SRM University,	3 Days	18 <sup>th</sup> to 20 <sup>th</sup> February 2021

<b>14 Details of Papers published in CONFERENCES/attended Conferences:</b>					
<b>S.No</b>	<b>Type (Regional/National/International)</b>	<b>Name of the Conference</b>	<b>Name of the paper presented/Attended</b>	<b>Organized by</b>	<b>Date</b>
1	National	7 <sup>th</sup> National Symposium in Chemistry (CRSI),	PET Suppression of Acridinedione Dyes by Urea Derivatives in Water and Methanol ” <b>(Poster Presentation),</b>	Indian Association for Cultivation of Science, Kolkata,	February 3-7, 2005.
2	National	National Symposium on Radiation and Photochemistry (NSRP-2007)”,	PET based acridinedione dyes interaction with Bovine Serum Albumin in aqueous solution ” A fluorescence enhancement” <b>(Poster Presentation)</b>	University of Madras, Chennai,	January 29-31, 2007.
3	International	4 <sup>th</sup> Asia Oceania Conference on Photobiology (AOCP 2008) at	Mechanistic details on the denaturation of BSA by urea derivatives: A clear illustration on the interaction of N-H moieties by fluorescence methods. <b>(Poster Presentation)</b>	Banaras Hindu University, Varanasi,	November 24-26, 2008.
4	National	10 <sup>th</sup> National Symposium in Chemistry (CRSI)	Role of Hydrogen-Bonding Interaction of Urea Derivatives on the Fluorescence Emission and Lifetime of L-Tryptophan Rotamers <b>(Poster Presentation)</b>	NCL, Pune, February 6-8, 2009.	February 6-8, 2009.
5	National	Recent Advances in Mater and Materials Chemistry	Photophysical studies on the interaction of L-Tryptophan with Amides	SRM University, Chennai,	February 2, 2010.

		(RAMMC 2010	<b>(Oral Presentation</b>		
6	National	Chennai Chemistry Conference	Photophysical studies on the interaction of Acridinedione dyes with Universal Protein denaturant Guanine Hydrochloride (GuHCl) <b>(Poster Presentation</b>	IIT, Madras, Chennai.	11-13 <sup>th</sup> February, 2011
7	National	National Conference on New Renaissance in Chemical Research	Quantum mechanical analysis on the 1: 1 hydrogen-bonding interaction of water molecule with 9H-Purine-6-amine (Adenine) <b>(Poster Presentation)</b>	SRM University, Chennai.	4 <sup>th</sup> March 2011
8	National	National Conference on New Renaissance in Chemical Research	Quantum mechanical analysis on the 1: 1 hydrogen-bonding interaction of Tyrosine with water <b>(Poster Presentation)</b>	SRM University, Chennai.	4 <sup>th</sup> March 2011
9	International	International Conference on Advanced Materials and Applications (ICAMA -2011)	Quantum mechanical analysis on the 1: 1 hydrogen-bonding interaction of 2-Amino -6- Hydroxy Purine (Guanine) with water <b>(Poster Presentation)</b>	Kalasilingam University, Srivilliputtur, Tamil Nadu	4-5 <sup>th</sup> March 2011
10	International	International Conference on FOODS 2012	Photophysical studies of food hydrocolloid: Gum Arabic in Aqueous solution” <b>(Poster Presentation</b>	M.O.P Vaishnav college, Chennai.	17-18 <sup>th</sup> February 2012
11	National	Chennai Chemistry Conference	Photophysical studies on the interaction of amides with Bovine Serum	at CLRI, Chennai.	08-10 <sup>th</sup> February, 2013

			Albumin (BSA)" <b>(Poster Presentation)</b>		
12	International	3 <sup>rd</sup> International Conference on Recent Advances in Material Chemistry (ICRAMC-2019)	Fluorescence lifetime approach on the stabilisation of the Rotamer Conformations of L-tryptophan and Tryptophanamide (NATA) by Amides in water by hydrogen-bonding interaction <b>(Poster Presentation)</b>	SRM University, Chennai.	13-15 <sup>th</sup> February 2019

<b>15 Details of visit as a RESOURCE PERSON:</b>				
<b>S.No</b>	<b>Type (Guest Lectures, Workshops, Conferences Or Seminars/ Ph.D, Viva-voce Examination)</b>	<b>Title</b>	<b>Institution Name</b>	<b>Date</b>
	Viva-voce Examination	Ph.D. Viva voce External examiner	Loyola College Chennai	23/03/2018
	Viva-voce Examination	Ph.D. Viva voce External examiner	Pachayappa's College, Chennai	31/10/2018
	Viva-voce Examination	Ph. Ph.D. Viva voce External examiner	Pachayappa's College, Chennai	17/12/2018
	Viva-voce Examination	Ph.D. Viva voce External examiner	Pachayappa's College, Chennai	18/12/2018
	Viva-voce Examination	Ph.D. Viva voce Internal examiner	Dwaraka Doss Goverdhan Doss Vaishnav College	05/08/2021
	Viva-voce Examination	Ph.D. Viva voce Internal examiner	Dwaraka Doss Goverdhan Doss Vaishnav College	30/09/2021
	Viva-voce Examination	Ph. Ph.D. Viva voce Internal examiner	Dwaraka Doss Goverdhan Doss Vaishnav College	30/03/2022
	Viva-voce Examination	Ph.D. Viva voce Internal examiner	Dwaraka Doss Goverdhan Doss Vaishnav College	30/06/2022

	Guest Lecture	Invited Talk	Saveetha University	
	Guest Lecture	Invited Talk	Mahalakshmi College of Arts and Science	22/07/2020
	Guest Lecture	Invited Talk	Pratyuksha Engineering College	27/07/2020
	Guest Lecture	Invited Talk	Anna Adarsh College for Women	31/07/2020
	Guest Lecture	Invited Talk	Ethiraj College for Women	12/12/2020
	International Conference	Chairing a session 2 <sup>nd</sup> International Conference on Recent Advances in Material Chemistry (ICRAMC-2018)	SRM University	14-16 <sup>th</sup> February 2018
	Acted as a Judge in Evaluation of Poster Presentation	International Conference on Advancement and Challenges in Chemical Sciences (ICACCS 2018)	Department of Chemistry, Pachaiyappa's College, Chennai.	2 <sup>nd</sup> and 3 <sup>rd</sup> February 2018
	Acted as a Judge in Evaluation of Poster Presentation	National Conference on Recent Advancement in Nanomaterials Chemistry for Sustainable Development (RANCSD- 2019)	Department of Chemistry, Madras Christian College, Chennai.	12 <sup>th</sup> and 13 <sup>th</sup> December 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
-	-	-	-	-

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

18 Details on RESEARCH GUIDANCE:	
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S. No	Type (FT/PT)	Name of the candidate	Title of the Dissertation	University	Status
1	FT	K.Anju	“Photophysical studies of resorcinol based acridinedione dyes with neutral amino acids and sugars in aqueous solution”	University of Madras	Awarded 05/08/2021
2	FT	S.Gayathri	“Photophysical and Electrochemical studies of Urea Derivates Amides, Guanidine Hydrochloride and Gum Arabic with Intramolecular Charge Transfer (ICT) and Photoinduced Electron Transfer (PET) Dyes in Aqueous Solution”	University of Madras	Awarded 30/09/2021
3	FT	S.Sowmiya	“Photophysical studies of Gum Arabic (GA) at various Ph and in the presence of urea derivatives, amide derivatives and guanidine derivatives in aqueous solution”	University of Madras	Awarded 30/03/2022
4	PT	A.Sumita	“Photophysical studies and Molecular docking approach on the interaction of acridinedione dyes with adenine, globular proteins and amino acids in aqueous solution”	University of Madras	Awarded 30/06/2022
5	PT	R.Thamarai Selvan	Photophysical studies and molecular docking approach on the interaction of 4-dicayanomethylene-2,6-dimethyl 4H pyran with albumins and drugs in aqueous solution	University of Madras	Thesis Submitted 23/06/2022
6	FT	Seba merin vinod		University of Madras	Pursuing Ph.D
7	FT	M.S.Sangeetha		University of Madras	Pursuing Ph.D
8	FT	R.Keerthiga		University of Madras	Pursuing Ph.D

19 Details of papers published in JOURNALS:							
S. No	Journal Type (National/)	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>Inter natio nal)</b>						
1	Intern ationa l	Journal of Physical Chemistry B	PET Suppression of Acridinedione Dyes by Urea Derivatives in Water and Methanol	P.Ramamurthy	110, 47, 23783– 23789  <a href="https://doi.org/10.1021/jp0628378">https://doi. org/10.10 21/jp0628 378</a>	Nov 2006	<b>4.11</b>
2	Intern ationa l	Radiation Effects and Defects in Solids Incorporating Plasma Science and Plasma Technology	Swift heavy ion irradiation- induced modifications of tris-(8- hydroxyquinoli ne)aluminum thin films	K.Thangaraju T.Mohanty, K.Ashokan P.Ramamurthy D.Kanjilal J.Kumar	Volume 161, 2006 - Issue 12 695-700  <a href="https://doi.org/10.1080/10420150600909604">https://doi. org/10.10 80/104201 50600909 604</a>	Feb 2007	0.66
3	Intern ationa l	Polymer Plastics Technology and Engineering	Photoluminesce nce study of (Tris-8- hydroxyquinoli ne) aluminium thin films and influence of Swift heavy ion irradiations	K.Thangaraju K.Ashokan P.Ramamurthy D.Kanjilal J.Kumar	Volume 47, 2008 - Issue 5, 479-482  <a href="https://doi.org/10.1080/03602550801952003">https://doi. org/10.10 80/036025 50801952 003</a>	Apr 2008	1.48
4	Intern ationa l	Surface and Coatings Technology	Effect of swift heavy ion irradiation on photoluminesce nce of Tris-(8- hydroxyquinoli ne) aluminum thin films	K.Thangaraju K.Asokan, P.Ramamurthy D.Kanjilal J.Kumar	Volume 203, Issues 17– 18, 15 June 2009, Pages 2679-2681  <a href="https://doi.org/10.1016/j.surfcoat.2009.02.093">https://doi. org/10.10 16/j.surfco at.2009.02 .093 3</a>	Jun 2009	1.054
5	Intern ationa l	Journal of Fluorescence	Photophysical studies on the interaction of	T.Varalakshmi E.J.Padma Malar	20, pages9 93–1002 (2010)	Apr 2010	1.966

			acridinedione dyes with protein denaturant: Guanidine Hydrochloride	P.Ramamurthy	DOI: 10.1007/s10895-010-0646-9		
6	International	Journal of Luminescence	Photophysical studies of PET based acridinedione dyes with globular protein: Bovine serum albumin	P.Ramamurthy	Volume 130, Issue 7, July 2010, Pages 1203-1210 <a href="https://doi.org/10.1016/j.jlumin.2010.02.022">https://doi.org/10.1016/j.jlumin.2010.02.022</a>	Jul 2010	1.88
7	International	Journal of Materials Science: Materials in Electronics	Holographic grating studies in pendant xanthene dyes containing poly(alkyloxymethacrylate)s	S. Manickasundaram P.Kannan, R.Velu P.Ramamurthy Q.M.A.Hassan P.K.Palanisamy S.Senthil S.Sriman Narayanan	22, pages 25–34 (2011) DOI: <a href="https://doi.org/10.1007/s10854-010-0077-z">10.1007/s10854-010-0077-z</a>	Feb, 2011	1.793
8	International	Journal of Fluorescence	Denaturation mechanism of BSA by urea derivatives: Evidence for hydrogen-bonding mode from fluorescence tools	P.Ramamurthy	21, pages 1499–1508 (2011)  DOI: 10.1007/s10895-011-0836-0	Feb, 2011	<b>2.11</b>
9	International	Journal of Fluorescence	Photophysical studies on the interaction of formamide and alkyl substituted amides with photoinduced electron transfer (PET) based acridinedione	P.Ramamurthy	21, 2165 (2011)  DOI: <a href="https://doi.org/10.1007/s10895-011-0918-z">10.1007/s10895-011-0918-z</a>	Jul 2011	<b>2.11</b>

			dyes in water				
10	International	OPTIK	Study on the Study on photoluminescence from tris-(8-hydroxyquinoline)indium thin films and influence of light	K.Thangaraju P.Ramamurthy V.Narayanan J. Kumar	Volume 123, Issue 15, August 2012, Pages 1393-1396 <a href="https://doi.org/10.1016/j.ijleo.2011.08.018">https://doi.org/10.1016/j.ijleo.2011.08.018</a>	Aug,2012	0.524
11	International	Journal of Luminescence	Photophysical studies on the hydrogen-bonding interaction of amides with Bovine Serum Albumin (BSA) in aqueous solution: Fluorescence quenching and Protein unfolding	P.Ramamurthy	Volume 148, April 2014, Pages 277-284 <a href="https://doi.org/10.1016/j.jlumin.2013.12.016">https://doi.org/10.1016/j.jlumin.2013.12.016</a>	Apr 2014	<b>2.719</b>
12	International	Journal of Luminescence	Photophysical studies of aqueous solution of Gum Arabic: Fluorescence spectral techniques as a tool in elucidating the origin of multi emissive peaks in a heterogeneous environment of aqueous solution of Gum Arabic	N.Dheenadayalan, R.Mythily	Volume 155, November 2014, Pages 322-329 <a href="https://doi.org/10.1016/j.jlumin.2014.06.022">https://doi.org/10.1016/j.jlumin.2014.06.022</a>	Nov, 2014	<b>2.719</b>
13	International	Journal of Luminescence	Role of hydrogen-bonding and photoinduced electron transfer	P.Ramamurthy M.Vanjinathan	Volume 164, August 2015, Pages 146-153	Aug, 2015	<b>2.693</b>

			(PET) on the interaction of resorcinol based acridinedione dyes with Bovine Serum Albumin (BSA) in water		<a href="https://doi.org/10.1016/j.jlumin.2015.03.010">https://doi.org/10.1016/j.jlumin.2015.03.010</a>		
14	International	Journal of Photochemistry and Photobiology A: Chemistry	Photophysical studies on the interaction of Resorcinol based acridinedione dyes with water soluble food hydrocolloid: Gum Arabic	C.Sowntharya S.Gayathri N.Dhenadayalan R.Vasanthi M.Vanjinathan	Volume 341, 15 May 2017, Pages 78-86  <a href="https://doi.org/10.1016/j.jphotochem.2017.03.022">https://doi.org/10.1016/j.jphotochem.2017.03.022</a>	May 2017	<b>2.891</b>
15	International	Journal of Luminescence	Photophysical and Electrochemical studies of Resorcinol based acridinedione dyes with Glycine in water	K. Anju, S.Gayathri, A.Sumita, P.Ramamurthy	Volume 199, July 2018, Pages 352-362  <a href="https://doi.org/10.1016/j.jlumin.2018.03.019">https://doi.org/10.1016/j.jlumin.2018.03.019</a>	Jul 2018	<b>2.961</b>
16	International	Journal of Fluorescence	Photophysical and Electrochemical studies of 4-dicyanomethylene 2,6-dimethyl-4H-pyran (DDP) dye with amides in water	S.Gayathri. R.Vasanthi M.Vanjinathan	28, pages 1379–1391 (2018)  DOI: 10.1007/s10895-018-2303-7	Oct 2018	1.91
17	International	ACS Omega	Effect of pH on the photophysical and electrochemical properties of a food hydrocolloid: Gum Arabic	S.Sowmiya	2018, 3, 12, 17602–17609 <a href="https://doi.org/10.1021/acsomega.8b02928">https://doi.org/10.1021/acsomega.8b02928</a>	Dec 2018	<b>2.587</b>

18	International	Materials Today: Proceedings- Elsevier MATPR7990	Photophysical Studies of Acridinedione Dyes With Amino Acids in Water	K.Anju, A.Sumita	Volume 14, Part 2, 2019, Pages 229-238  <a href="https://doi.org/10.1016/j.matpr.2019.04.142">https://doi.org/10.1016/j.matpr.2019.04.142</a>	Dec 2018	0.97
19	International	Journal of Material Science and Research	Spectroelectrochemical Investigation of 4-Dicyanomethylene 2,6-Dimethyl-4H-Pyran (DDP) Dye with Guanidine Hydrochloride (GuHCl) in Water	S.Gayathri, R.Vasanthi M.Vanjinathan	2019 (8) 183-194. ISSN: v 1927-0585	Jul 2019	Nil
20	International	ACS Omega	Photophysical studies and electrochemical studies of Photoinduced Electron Transfer (PET) and non-PET based acridinedione dyes with alanine and valine in water	K. Anju, A.Sumita S.Gayathri, R.Vasanthi	2019, 4, 7, 12357–12365  <a href="https://doi.org/10.1021/acsomega.9b01011">https://doi.org/10.1021/acsomega.9b01011</a>	Jul 2019	<b>2.87</b>
21	International	ACS Omega	Is Gum Arabic a Good Emulsifier Due to CH... $\pi$ Interactions? How Urea Effectively Destabilizes the Hydrophobic Ch... $\pi$	S.Sowmiya	2019, 4, 15, 16418–16428 <a href="https://doi.org/10.1021/acsomega.9b01980">https://doi.org/10.1021/acsomega.9b01980</a>	Sep 2019	<b>2.87</b>

			Interactions in the Proteins of Gum Arabic than Amides and GuHCl?				
22	International	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	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	S.Gayathri. R.Vasanthi M.Vanjinathan N.Dhenadayalan	Volume 229, 15 March 2020, 117914 <a href="https://doi.org/10.1016/j.saa.2019.117914">https://doi.org/10.1016/j.saa.2019.117914</a>	Mar 2020	<b>4.098</b>
23	International	Haya: Saudi Journal of Life Science	Photophysical Studies of 4-Dicyanomethylene 2, 6-Dimethyl-4H-Pyran (DDP) Dye with Bovine Serum Albumin (BSA) in Aqueous Solution	R.Thamarai Selvan S.Gayathri R.Vasanthi M.Vanjinathan	2020 (5) 28-36 ISSN: 2415-6221	Apr 2020	Nil
24	International	Scholars International Journal of Chemistry and Material Sciences	Photophysical studies on the interaction of n-acetyl tryptophanamide (NATA) with urea derivatives in water	R.Thamarai Selvan P.Karthick R.Anupama	2020 (3) 31-40 ISSN: 2661-5776	May 2020	Nil
24	International	Haya: Saudi Journal of Life Science	Interaction of Urea with acridinedione dye-protein complex in aqueous solution: A photophysical approach	A.Dhamodaran R.Thamarai Selvan	2020 (5) 73-78 ISSN: 2415-6221	May 2020	Nil

25	International	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	Competitive hydrogen bonding influences of fluorophore-urea-adenine system in water: Photophysical and photochemical approaches	A.Sumita K. Anju N.Dhenadayalan R.Vasanthi	Volume 237, 15 August 2020, 118409 <a href="https://doi.org/10.1016/j.saa.2020.118409">https://doi.org/10.1016/j.saa.2020.118409</a>	Aug 2020	<b>4.098</b>
26	International	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	Fluorescence and quantum mechanical approach on the interaction of amides and their role on the stability and coexistence of the rotamer conformations of L-tryptophan in aqueous solution	S.Gayathri, T.Augustine Arul Prasad, N.Dhenadayalan, R.Keerthiga, S.Sureka K.Jeevitha and P.Karthick	Volume 243, 15 December 2020, 118791  <a href="https://doi.org/10.1016/j.saa.2020.118791">https://doi.org/10.1016/j.saa.2020.118791</a>	Dec 2020	<b>4.098</b>
27	International	ACS Omega	Electrostatic Investigation of 4-Dicyanomethylene-2,6-dimethyl-4 H-pyran (DDP) Dye with Amide Derivatives in Water	S.Gayathri. R.Vasanthi M.Vanjinathan	2020, 5, 1, 751–757 <a href="https://doi.org/10.1021/acsomega.9b03427">https://doi.org/10.1021/acsomega.9b03427</a>	Dec 2020	<b>3.512</b>
28	International	ACS Omega	Effect of Modified Zeolite $\beta$ in the Hydrogenation of Anisole and Acetophenone Reaction	V. L. Mangesh Tamizhdurai Perumal Santhana Krishnan Perumal Narayanan Subramanian Mani Govindasamy Ayman A.	2021, 6, 48, 33238 <a href="https://doi.org/10.1021/acsomega.1c03566">https://doi.org/10.1021/acsomega.1c03566</a>	Oct 2021	<b>4.132</b>

				Ghfar Murefah mana AL-Anazy Mohamed Ouladsmane			
29	International	ACS Omega	Electrochemical Investigation and Molecular Docking Techniques on the Interaction of Acridinedione Dyes with Water-Soluble Nonfluorophoric Simple Amino Acids	A.Sumita R.Vasanthi K. Anju G.Shoba M.D.Balakumaran	2021, 6, 46, 30932– 30941  <a href="https://doi.org/10.1021/acsomega.1c03172">https://doi.org/10.1021/acsomega.1c03172</a>	Nov 2021	<b>4.132</b>
30	International	Results in Chemistry	Photophysical and molecular docking studies of photoinduced electron transfer (PET) and non-PET based fluorophores of acridinedione derivatives with a glycoprotein: Ovalbumin	A.Sumita, G.Shoba, R.Thamarai Selvan, K. Anju, M.D.Balakumaran	Volume 3, January 2021, 100187  DOI: <a href="https://doi.org/10.1016/j.rechem.2021.100187">10.1016/j.rechem.2021.100187</a>	Jan 2021	<b>1.2</b>
31	International	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	Interaction of acridinedione dye with a globular protein in the presence of site selective and site specific binding drugs: Photophysical techniques assisted by molecular docking methods	K. Anju, G.Shoba, A.Sumita M.D.Balakumaran, R.Vasanth	Volume 258, 5 September 2021, 119814  <a href="https://doi.org/10.1016/j.saa.2021.119814">https://doi.org/10.1016/j.saa.2021.119814</a>	Sep 2021	<b>4.831</b>
32	International	Journal of Saudi Chemical	Comparative studies on	R.Thamarai Selvan	Volume 25, Issue	Dec 2021	<b>4.961</b>



	1	Society	biophysical interactions between 4-dicyanomethylene-2,6-dimethyl-4H-pyran (DDP) with bovine serum albumin (BSA) and human serum albumin (HSA) via photophysical approaches and molecular docking techniques	G.Shoba; M.Sangeetha Seba Merin Vinod P.Tamizhdurai Alanazi M.Amer P.S.Ganesh	12, December 2021, 101364  <a href="https://doi.org/10.1016/j.jscs.2021.101364">https://doi.org/10.1016/j.jscs.2021.101364</a>		
33	International	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	A fluorescence approach on the investigation of urea derivatives interaction with a non-PET based acridinedione dye-beta Cyclodextrin ( $\beta$ -CD) complex in water: Hydrogen-bonding interaction or hydrophobic influences or combined effect?	K.Anju	Volume 246, 5 February 2021, 118990  <a href="https://doi.org/10.1016/j.saa.2020.118990">https://doi.org/10.1016/j.saa.2020.118990</a>	Feb 2021	<b>4.831</b>
34	International	Advanced Powder Technology	Catalytic activity of ratio-dependent SBA-15 supported cerium/Pt catalysts for highly selective oxidation reaction of	P.Tamizhdurai S.Narayanan V.L.Mangesh, C.Kavitha N.Vidhya Lakshmi, C.Ragupathi, Zeid A.ALOthman	Volume 32, Issue 11, November 2021, Pages 4286-4294  <a href="https://doi.org/10.1016/j.appt.20">https://doi.org/10.1016/j.appt.20</a>	Nov 2021	<b>4.081</b>

			benzyl alcohol to benzaldehyde	Mohamed Ouladsmane, G.Mani	21.09.033		
35	International	Results in Chemistry	Photophysical and molecular docking approach on the interaction of water-soluble simple keto sugar with Acridinedione dyes	Murugan Sreedevi Sangeetha, Seba Merin Vinod, Krishnan Anju, Perumal Tamizhdurai Chinnadurai Raghupathi	Volume 4, January 2022, 100680 ISSN 2211-7156 <a href="https://doi.org/10.1016/j.rechem.2022.100680">https://doi.org/10.1016/j.rechem.2022.100680</a>	Jan 2022	1.2
36	International	Journal of Saudi Chemical Society	Effect of lattice strain on structure, morphology, electrical conductivity and magneto-optical and catalytic properties of Ni-doped Mn <sub>3</sub> O <sub>4</sub> nanocrystallites synthesized by microwave route	G.Raja, A.Nallathambi, A.Prakasam, S.Gopinath, C.Ragupathi, S.Narayanan, P.Tamizhdurai, Norah Salem Alsaiari Khamael, M.Abualnaja Mohamed Ouladsmane	Volume 26, Issue 2, March 2022, 101440IS SN <b>1319-</b> <a href="https://doi.org/10.1016/j.jscs.2022.101440">https://doi.org/10.1016/j.jscs.2022.101440</a>	Mar 2022	<b>4.712</b>
37	International	Journal of Molecular Structure	Structural characterization , spectral investigation and antimicrobial studies Of ZnWO <sub>4</sub> and Zn <sub>0.9</sub> Cu <sub>0.1</sub> WO <sub>4</sub> nanoparticles synthesized by microwave and sucrose mediated solgel method	Karuppiah, K., Manickam Dakshinamoorthi, B., Thomas, A.A.P., Rajaraman, V.	Volume 1253, 5 April 2022, 132067 ISSN 0022 2860 <a href="https://doi.org/10.1016/j.molstruc.2021.132067">https://doi.org/10.1016/j.molstruc.2021.132067</a>	Apr 2022	<b>3.841</b>
38	International	Journal of Cleaner Production	Hydroprocessing mixed waste plastics to obtain clean	V.L.Mangesh, P.Tamizhdurai, S.Umasankar, R.Palaniswam	Volume 358, 15 July 2022, 131952	Apr 2022	<b>11.082</b>

			transport fuel	y, S.Narayanan, T.Augustine, Zeid A.ALOthman, Mohamed Ouladsmene and G.Mani,	ISSN 095 9-6526 <a href="https://doi.org/10.1016/j.jclepro.2022.131952">https://doi.org/10.1016/j.jclepro.2022.131952</a>		
39	International	Journal of Indian Chemical Society	Molecular docking studies on the binding interaction and stability of Betalactoglobulin in the presence of 4-Dicyanomethylene 2,6-Dimethyl 4-H pyran (DDP) dye and an antibiotic drug: norfloaxcin	Seba Merin Vinod, M.S.Sangeetha, R.Thamarai Selvan, G. Shoba, P.Tamizhdurai	Volume 99, Issue 6, June 2022, 100477 0019-4522 <a href="https://doi.org/10.1016/j.jics.2022.100477">https://doi.org/10.1016/j.jics.2022.100477</a>	June 2022	0.243
40	International	Journal of Indian Chemical Society	Molecular docking studies on the binding interaction and stability of Ovalbumin in the presence of 4-Dicyanomethylene 2,6-Dimethyl 4-H pyran (DDP) dye and an antibiotic drug: tetracycline	R.Thamarai Selvan, G. Shoba, Seba Merin Vinod, M.S.Sangeetha, P.Tamizhdurai, C.Raghupathi	Volume 99, Issue 10, October 2022, 100681 ISSN 0019-4522 <a href="https://doi.org/10.1016/j.jics.2022.100681">https://doi.org/10.1016/j.jics.2022.100681</a>	Oct 2022	0.243
41	International	Asian J Chemistry	Molecular docking studies on the binding interaction and stability of myoglobin in the presence of 4-Dicyanomethylene 2,6-Dimethyl 4-H pyran (DDP)	M..S.Sangeetha, Seba Merin Vinod, G. Shoba, A.Sumita P.Tamizhdurai C.Raghupathi	Vol. 34, No. 12 (2022), 3071-3084 ISSN 0975-427X <a href="https://doi.org/10.14233/ajchem.2022.23989">https://doi.org/10.14233/ajchem.2022.23989</a>	Nov 2022	0.535

			dye and an anti malarial drug: primaquine				
42	International	Trends in sciences	In Silico Molecular Interaction Analysis and Pharmacokinetic Profiling of Flavonoids from Catharanthus roseus (Flower) Against TXNIP Protein	Ramya Ranjan Nayak Santosh Pushpa, Kiran Sharma Babulal, Gunasekaran Shoba, Manickam Dakshinamoorthi Balakumaran	2023; 20(1): 6394 ISSN 1884-7080 <a href="https://doi.org/10.48048/tis.2023.6394">https://doi.org/10.48048/tis.2023.6394</a>	Nov 2022	0.166
43	International	Journal of Fluorescence	Interaction of an aldose sugar with Photoinduced electron transfer (PET) and non-PET based Acridinedione dyes in water: Hydrogen-Bonding evidences from Fluorescence spectral techniques assisted by molecular docking approach	Seba Merin Vinod, Murugan Sreedevi Sangeetha, Krishnan Anju, Perumal Tamizhdurai Chinnadurai Raghupathi	Vol 33. Issue 1 ISSN1573 4994	Jan 2023	2.526
44	International	International Journal of Hydrogen Energy	Influence of platinum on mordenite properties and catalytic activity towards cyclohexene epoxidation	P.Tamizhdurai, R.Mythily, C.Kavitha, V.L.Mangesh, P.Santhana Krishnan, T.Sivaramakrishnan, T.Augustine, G.Mani, Asma.Alothman and Mohamed Ouladsmane	ISSN 0360-3199 <a href="https://doi.org/10.1016/j.ijhydene.2022.10.072">https://doi.org/10.1016/j.ijhydene.2022.10.072</a>	Nov 1, 2022, Article in press	7.139

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

<b>21</b>				
<b>Details of MEMBERSHIP IN EDITORIAL BOARD/ACADEMIC AGENCIES/BODIES:</b>				
<b>S.No</b>	<b>Name of the Journal/Magazine/Agency</b>	<b>Position in the Board</b>	<b>ISBN/ISSN No.(if any)</b>	<b>Year</b>
1	American Chemical Society	Member		2018-2020

<b>22</b>			
<b>POSITIONS HELD in this institution:</b>			
<b>S.No.</b>	<b>Institution/ Department Level</b>	<b>Position</b>	<b>Duration</b>
1	Institution	Vice President Institution Innovative Council (IIC)	From 2021 onwards till date
2	Institution	Core Committee member in NAAC for Criteria 3 from 2019 onwards till date	From 2018 onwards till date
3	Institution	Coordinator, Research and Development Council	From 2021 onwards till date
4	Institution	Additional Exam Superintendent for End semester examination.	April-May End semester examination - 2019
5	Institution	Examination Camp Officer for End semester examination.	Oct-Nov 2019, Nov-2021, Feb-2022 and June-2022
6	Institution	Member in College Disciplinary Committee	2015-2021
7	Institution	Member in College Admission team	From 2015 onwards till date
8	Department	Ph.D Supervisor	From 2015 onwards till date
9	Department	M.Phil Supervisor	From 2014 onwards till date
10	Department	PG Project Guide	From 2011 onwards till date