***Curriculum vitae* of**
Prof. Dr. Sanjeev R. Inamdar
Fellow, Royal Society of Chemistry (UK)
Faculty Advisor, SPIE Student Chapter Karnatak University
(Citations – 1374; h-Index – 18; i-10 Index –39)

1. *Name* : **Dr. Sanjeev Ramchandra Inamdar, FRSC**
Former Member, Academic Council, Karnatak University
2. *Designation* : **Professor & Coordinator**
Laser Spectroscopy Program &
UGC-Centre with Potential for Excellence (CPEPA)
Faculty Advisor, SPIE (USA)- Student Chapter, KUD
3. *Address* : **Department of Physics,**
Karnatak University, Dharwad 580 003, India
Mobile: 9448353160;
E-mail: him_lax3@yahoo.com;
srinamdar@kud.ac.in
4. *Date of birth* : **18th October, 1960**

5. Gender : **Male**
6. Category : **Gen**
7. Whether differently abled : **No**
8. *Educational qualifications*:
B.Sc. 1981 Physics Major, (RLScI, Belagavi) Karnatak University, Dharwad
M.Sc. 1983 Physics, Karnatak University, Dharwad
Ph.D. 1990 Laser Spectroscopy of dyes, KUD
Cert. in French 1982, Karnatak University, Dharwad
9. Title of the Ph.D. thesis: "Study of molecules using Lasers:
Energy transfer dye lasers and energy transfer mechanisms"
Research Supervisor: **Professor M.I. Savadatti**,
Emeritus Professor, Karnatak University,
Former Vice Chancellor, Mangalore University,
Ex-Vice Chairman, KSHEC, GoK, Bangalore
Year of Award **1990**

Passed CSIR-National Entrance Test (Research) Examination (1983)

10. **Fellowships awarded**:
CSIR-JRF 1984-86; CSIR-SRF 1986-89; DRDO-RA 1990-92
INSA-Visiting Scientist Fellowship, 2000 (@TIFR, Bombay)

11. ***Academic & administrative Positions held*:**
a. **Coordinator, UGC-Centre with Potential for Excellence (CPEPA) (2011-2017)**
b. **Chairman, Department of Physics**, Karnatak University, Dharwad (**2010-12**)
c. **Chairman, Board of Studies in Physics,** Karnatak University (**2010-12**)
d. **Coordinator**, Laser Spectroscopy Programme (**2003 onwards**)

e. **Dy. Coordinator,UGC Centre of Advanced Study (2009-20)**
f. **Chief Editor, Karnatak University Journal of Science (2020-2022)**
g. **Coordinator, Foundation Lecture Series, Karnatak University, 2013 -**
h. **Coordinator UGC-DSA Programme**, Ph-III **(2006-2009)**
i. **Dy. Coordinator** UGC-DSA Programme, Ph-II & III **(1998- 2006)**
j. **Professor of Physics** (**CAS-2005**; **Direct Selection - 2007**)
k. **Reader in Physics** **(1997-2005)**
l. **Research Scientist (1992-1997)**
m. **Research Associate (1990-1992)**

12. Awards and Honours received:

a. **Fellow, Royal Society of Chemistry, UK (2020)**
b. **Outstanding Reviewer Award (Elsevier) for J. Molecular Liquids (2018)**
c. **INSA Visiting Scientist Fellowship** at Tata Institute of Fundamental Research, Bombay(**2000)**
d. **Sir C.V. Raman Young Scientist Award,** (**KSCST,** Govt. of Karnataka) **2004**
e. **Certificate of Excellence**from Karnatak University (**2007**)
f. **Best Publication Award** (**2015**) from **Karnatak University**
g. **Elected Sectional President** (Physical Sciences), **Indian Science Congress, held during 3-7 February, 2014 at Jammu University, Jammu**

13. ***Visits abroad*:**

i. Special Training on Optical Simultaneous Multichannel Analyzer (O-SMA) at Spectroscopy Instruments GmbH, **Munich (Germany) 1991**
ii. Technical University, Munchen, Munich **(Germany) 1991**
iii. Universiteit Utrecht, **Utrecht (Netherlands) 1999**
iv. Laboratoire Interuniversitaire des Systems Atmospherique (LISA), University of Paris – 12, **Paris** andLSCE, Gif-sur-Yvette, **Paris (France) 1999**
v. Abdus Salam International Centre for Theoretical Physics, **Trieste (Italy) 2001**
vi. National University of Singapore**, Singapore**, June **2017**

14. ***Major Research Projects/Schemes handled*:**

Sl.No.	Title	Funding agency	Grant sanctioned	Duration
1	Centre with Potential for Excellence (CPEPA) on Advanced Materials	UGC, New Delhi	Rs.6.85Crores	2011-2019
2	Centre of Advanced Study (Phase-II)	UGC, New Delhi	Rs.2.67 Crores	2015-20
3	Centre of Advanced Study (Phase-I)	UGC, New Delhi	Rs.1.32 Crores	2009-14
4	DSA Programme, (Phase III)	UGC, New Delhi	Rs.65.00 lakhs	2006-2009
5	DSA Program, (Phase II& III)	UGC, New Delhi	Rs.29.00 lakhs	1998-2006

6	**PI,** Indian Ocean Experiment (**INDOEX**) –International Project with CNES (French Space Agency), Paris, **France**	ISRO, India & France	Rs.12.00 lakhs	1998-2000
7	**Rotational Diffusion of organic fluorescent molecules**	CSIR, New Delhi	Rs.9.06 lakhs	2005-2008
8	**FRET using nanomaterials**	UGC, New Delhi	Rs.9.60 lakhs	2011-2014
9	**Development of quantum dot based biosensors**	DAE-BRNS, Mumbai	Rs.31.08 Lakhs	2010-2014

15. Academic administrative experience:

Other Institutions/Universities

a. **Chairman, Board of Studies (UG&PG) Physics, Davangere University, Davangere (2018-2021)**
b. **Member, BoS (PG) Physics, Shivaji University, Kolhapur (2018-2022)**
c. **Member, BoS (UG&PG) Physics, Gulbarga University, Gulbarga (2017-2020)**
d. **Member, Doctoral Committee (Physics), Rani Channamma University, Belgaum (2018-2021)**
e. **Chairman, BoE, Women's University, Bijapur (2017)**
f. **Member, BoE, Gulbarga University< Gulbarga (2017)**
g. **Chairman, Ph.D. Thesis Adjudication Committee,**University of Kerala (2012-2014)
h. **Member, Ph.D. Thesis Adjudication Committee – >20 universities**
i. **Member, Selection Committees (Board of Appointments)** at: Osmania University, Hyderabad; Goa University, Goa; Shivaji University, Kolhapur; Gulbarga University, Gulbarga; Bangalore University, Bangalore, SK University, Bellary, Karnataka State Women's University, Bijapur; VTU, Belgaum

(j) Membership of Academic Bodies

a. **Fellow, Royal Society of Chemistry, 2020 (United Kingdom)**
b. **SPIE, International Society for Optics and Photonics, USA (2018-2024)**
c. **Life Member**, Indian Science Congress Association, Kolkata (since 2010)
d. **Life Member**, ISRAPS, Bombay (since 1989)
e. **Member, New York Academy of Sciences, NY, USA (2000)**

ACADEMIC ACCOMPLISHMENTS

16. **Areas of Research Expertise:**

1. Laser spectroscopy
2. Ultrafast Spectroscopy
3. Computational spectroscopy
4. Laser Applications in Biology
5. FRET using nanoparticles
6. Development of QD based sensors

17. Number of **Ph.D. students** guided: **13 (+2 as Co-Guide)**

18. Number of **M.Phil. Students** guided: **06**

19. **SCIENTIFIC COLLABORATION:**
    a. Bhabha Atomic Research Centre, Mumbai
    b. National Centre for Ultrafast Processes, Chennai
    c. University of Paris-7, France
    d. Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore
    e. Lucknow University, Lucknow
    f. Depts. of Sericulture, Zoology and Chemistry of Karnatak University, Dharwad
    g. Littoral University, France
    h. National University of Singapore, Singapore
    i.

20. **Reviewer for International Scientific Journals**: J. Luminescence, J. Molecular Structure, J. Molecular Liquids (Elsevier), J. Amer. Chem. Soc. (Am. Chem. Soc.), J. Optics & Laser Tech., Langmuir, Spectrochim. Acta, Canadian J. Physics, PCCP, J. Phys. Chem. Letters, PLOS One

21. National Symposia/Conferences/Seminars ORGANIZED AT KARNATAK UNIVERSITY 17

1. **DST-SERC School on Lasers and Optics**, **Nov. 16 – Dec. 04, 1992,** at Karnatak University(under ***Laser Spectroscopy Programme, KUD***)
2. **Convener -"Trends in Laser Physics"**under UGC-DSA Programme (Phase-III) at Dept. of Physics, Karnatak University during**November 17-19, 2004**
3. **Secretary -"DAE-National Symposium on Radiation & Photochemistry (NSRP-2005)**" in association with ISRAPS, BARC, Bombay at Karnatak University during**January 17-19, 2005**
4. **Convener, Seminar on Lasers in Medicine & Biosciences,**under UGC-DSA (Ph-III) at Dept. of Physics, Karnatak University during **27-28 March 2007**
5. **Convener,Seminar on Nanoscience & Nanotechnology,** under UGC-DSA (Ph-III) at the Dept. of Physics, Karnatak University during **March 7-8, 2008**
6. **Convener- DAE-Symposium on Atomic, Molecular and Optical Physics (SAMOP-2011), Feb. 22-25, 2011 at Karnatak University**

22. International Workshops attended

1. **International Workshop on INDOEX, 8-12 Sept. 1999, University of Utrecht** (**The Netherlands**)
2. **Winter School on Laser Spectroscopy & Applications and ICS Training Course on Applied Spectroscopy Techniques & Instrumentation**, **, ICTP (Italy) (2001)**

23. RESEARCH PUBLICATIONS 112

A. Books:

1. **Fluorescence Spectrometry,**
   Dharmendra Pratap Singh, Sanjeev R. Inamdar and Sandeep Kumar, Book Chapter in **"Modern Techniques of Spectroscopy", Progress in Optical Science and Photonics 13, Eds. DK Singh, M Pradhan & A Materny, Springer-Nature, pp 431-469 (2021)**
2. **Rotational dynamics of nonpolar and dipolar molecules in polar and binary solvent mixtures Sanjeev R. Inamdar,** in book ***"Hydrodynamics - Advanced Topics"*** Eds. H.E. Schulz, et al., **Chapter #9, ISBN 978-953-307-596-9,** InTech, December 12, **2011**

B. Books Published:

1. **Current trends in quantum dot based fluorescence resonance energy transfer studies, S.R. Inamdar,** Laxmi S. Inamdar, B.N. Jagatap, B.G. Mulimani and M.I. Savadatti, ***Lambert Academic Publishing,*** *October,* ***2018 (ISBN:978-613-9-81674-3)***
2. Fluorescence and laser spectroscopic investigations of nanoparticles Kotresh M.G. and Sanjeev R. Inamdar ***Lambert Academic Publishing, 2019 ISBN#978-613-9-93443-0***

24. Publications of Professor Sanjeev R. Inamdar,

Dept. of Physics, Karnatak University, Dharwad, India

(h-Index: 18; i-10 Index: 39; Citations: 1350)

Sl.#	Title of the paper	Authors	Journal, vol., pp, year	Impact Factor
112	Simple one pot synthesis and characterization of biocompatible lactic acid capped fluorescent ZnS QDs	T.S. Tilakraj, Mallikarjun K. Patil, Vighneshwar S. Bhat and Sanjeev R. Inamdar	**Materials Today: Proceedings (2021)**	
111	Synthesis of metal free organic dyes: Experimental and theoretical approach to sensitize one-dimensional cadmium sulphide nanowires for solar cell application	P.K. Bayannavar, A.C. Mendhe, B.R. Sankapal, M.S. Sannaikar, Saba Kauser J.S., Sanjeev R. Inamdar, Ravindra R. Kamble	**J. Molecular Liquids (2021)**	**6.165**
110	Photophysical and electrochemical properties of highly π-conjugated bipolar carbazole1,3,4-oxadiazole-based D-π-A type of efficient deep blue fluorescent	Mahesh S. Najare, M.K. Patil, T.S Tilakraj, M. Yasin, AfraQuasar Nadaf, Shivaraj Mantur, S.R. Inamdar and I.M. Khazi	**J. Fluorescence (Accepted, 2021)**	**2.217**
109	Reaction temperature based synthesis of ZnO nanoparticles using co-precipitation method:	M.G. Kotresh, M.K. Patil, S.R. Inamdar	**Optik (Accepted, 2021)**	**2.187**

	detailed structural and optical characterization			
108	Nanoparticle surface energy transfer (NSET) in ferroelectric liquid crystal–metallic-silver nanoparticle composites: Effect of dopant concentration on NSET parameters	T. Vimal,G. H. Pujar, K Agrahari, Sanjeev R. Inamdar and R. Manohar	**Physical Review E 103, 022708 (2021)**	**2.529**
107	Photoluminescence properties of zirconium oxide (ZrO2) nanoparticles	N.C. Horti, M.D. Kamatagi, S.K. Nataraj, N.R. Patil, ….M.N. Wari and S.R. Inamdar	**AIP Proceedings (2020)**	**--**
106	Synthesis and photoluminescence properties of polycarbazole/tin oxide (PCz/SnO2) polymer nanocomposites	N.C. Horti, M.D. Kamatagi, S.K. Nataraj, N.R. Patil, ….M.N. Wari and S.R. Inamdar	**Polymer Bulletin (2020)**	**2.870**
105	Synthesis and optical properties of copper oxide nanoparticles: effect of solvents	N.C. Horti, M.D. Kamatagi, S.K. Nataraj, N.R. Patil, ….M.N. Wari and S.R. Inamdar	**Journal of Nanophotonics 14(4), 046010 (2020)**	**1.6**
104	Multidonor surface energy transfer from Alexa Fluor dyes to gold nanoparticles: a quest for innovative sensor applications	Mallikarjun K. Patil, M.G. Kotresh, Laxmi S. Inamdar, and Sanjeev R. Inamdar	**J. Nanophotonics (SPIE), 14, 036006-1-12, (2020)**	**1.6**
103	Structural and optical properties of zirconium oxide (ZrO_2) nanoparticles: effect of calcination temperature	N.C. Horti, M.D. Kamatagi, S.K. Nataraj, M.N. Wari and S.R. Inamdar	**Nano Express, 1, 010022 (2020) (IOP Publishing)**	**--**
102	Photoluminescence modulation in the graphene oxide dispersed 4-n-octyl-4'-cyanobiphenyl molecular system	A. Shah, M.S. Sannaikar, S.R. Inamdar, R. Doualli and D.P. Singh	**J. Luminescence 226 (2020) 117509**	**3.599**
101	Rotational diffusion dynamics of Alexa flour dyes in aqueous organic environment	Prajakta S. Kadolkar, Shivaraj A. Patil, Manjunath N. Wari, Sanjeev R. Inamdar	**J. Molecular Liquids, 312, 113452 (2020)**	**6.165**
100	Photophysical, Thermal properties, Solvato chromism and DFT/TDDFT studies of butterfly shaped novel conjugated D-A-π-A-D form of small molecules comprising thiophene substituted 1,3,4-oxadiazole	M.S.Najare,Mallikarjun K. Patil, ShivarajMantur, AfraQuasar A. Nadaf, **S.R. Inamdar**and I. M. Khazi	**J. Mol.Struct. 1199, 127032 (2020)**	**3.196**
99	A novel switch on and reversible optical sensor as an efficient, selective receptor for Zn(II) ion and its biological application	MahanteshBudari, G. Naik, ShivarajPatil, PrajaktaKadolkar, KalagoudaGudasi and **SanjeevInamdar**	**Spectrochim. Acta A:224, 117462 (2020)**	**4.098**
98	An ESIPT blocked highly ICT based molecular probe to sense Zn (II) ion through turn on optical response: Experimental and theoretical studies	Mahantesh Budri, Ganesh Naik, Shivaraj Patil, Prajakta Kadolkar, **Kalagouda Gudasi,** Sanjeev Inamdar	**J. Photochem. Photobiol. A: Chem., 390, 112298 (2020)**	**4.291**

97	Phase Contraction, fluorescence quenching and formation of topological defects in chiral smectic C matrix by $Cd_{0.15}Zn_{0.85}S$/ZnS core/shell quantum dots …	**DP Singh,** B Duponchel, K Kondratenko, Y Boussoualem, GH Pujar, SR Inamdar, R Douali, A Daoudi	**Liquid Crystals (T&F), 1-17 (2020)**	**2.908**
96	Detailed analytical studies of 1, 2, 4-triazole derivatized quinoline	Shilpa M. Somagond, M. N. Wari, Saba Kauser J. S., S.R. Inamdar, Madan Kumar S., Dasappa J. Prasad, R.R. Kamble	**European J. Chemistry, 10, 281-294 (2020)**	**0.54**
95	A Novel Switch on Optical Probe for Selective Sensing of Zn (II) Ion in Acetonitrile Medium: Spectroscopic and Computational Studies	MahanteshBudari, Geeta C., Ganesh N., ShivarajPatil, KalagoudaGudasi and**SanjeevInamdar**	**J. Fluoresc. 29, 1065–1077 (2019)**	**1.913**
94	Systematically controlled FRET from CdTe QDs to Rh 101 dye: Steady-State vs. Time-Resolved measurements	Kotresh M G, Mallikarjun K. Patil, **Sanjeev R. Inamdar**	**J. Nanophotonics (SPIE), 13 (3), 036018 (2019)**	**1.6**
93	A highly selective and sensitive turn on optical probe as a promising molecular platform for rapid detection of Zn (II) ion in acetonitrile medium: Experimental and Theoretical Investigations	Mahantesh Budri, **Kalagouda Gudasi,** Prajakta Kadolkar, **Sanjeev R Inamdar,**	**J. Mol. Liquids (Elsevier), 283,346-358 (2019)**	**6.165**
92	Interaction between Proteinase K and Stilbene 420: occurrence of efficient FRET	Mallikarjun K. Patil, Kotresh M.G. and **Sanjeev R. Inamdar**	**AIP Conf. Proc., 2104 (1), 030028 (2019)**	**--**
91	Evaluation of Ground and Excited State Dipole moments of Alexa Fluor 350-NHS Ester in Binary Mixtures of DMSO/Water	Prajakta S. Kadolkar, Shivaraj A. Patil, M.Y. Karidurganavar and **Sanjeev R. Inamdar**	**AIP Conf. Proc.,2104 (1), 030029 (2019)**	**--**
90	Evaluation of Ground and Excited State Dipole moments of Coumarin 480 in Aqueous DMSO: an Experimental and DFT/TDDFT Study	Shivaraj A. Patil, Prajakta S. Kadolkar, R.H. Fattepur and **Sanjeev R. Inamdar**	**AIP Conf. Proc., 2104 (1), 030030 (2019)**	**--**
89	A combined solvatochromic shift and TDDFT study probing solute-solvent interactions of blue fluorescent Alexa Fluor 350 dye: Evaluation of ground and excited state dipole moments	Mallikarjun K. Patil, M.G. Kotresh and **Sanjeev R. Inamdar**	**Spectrochim. Acta Part A:**Molecular and Biomolecular Spectroscopy**215, 142-152 (2019)**	**4.098**
88	Interaction between Human Serum Albumin and Toxic Free InP/ZnS QDs using Multi-Spectroscopic Study: an Excellent Alternate to Heavy Metal Based QDs	M.S. Sannaikar, Laxmi S. Inamdar and **Sanjeev R. Inamdar**	**J. Mol. Liquids (Elsevier), 281, 156-165 (2019)**	**6.165**
87	Highly conjugated D-π-A-π-D form of novel benzo [b] thiophene substituted 1, 3, 4-oxadiazole derivatives; Thermal, optical	MS Najare, MK Patil, S Mantur, AQA Nadaf, **SR Inamdar**, IM Khazi	**J. Mol. Liquids 272, 507-519 (2018)**	**6.165**

	properties, solvatochromism and DFT studies			
86	Synthesis, X-ray characterization, DFT studies and Hirshfeld surface analysis of new organic single crystal: 2-(4-Methoxyphenyl)-4-{[2'-(1H-tetrazol-5-yl) biphenyl-4-yl] methyl …	PK Bayannavar, MS Sannaikar, S Madankumar,**SR Inamdar**, SKJ Shaikh, **RR Kamble**	**J. Mol. Structure 1179, 809-819 (2018)**	**3.196**
85	Composition-dependent energy transfer from alloyed ternary CdSeS/ZnS quantum dots to Rhodamine 640 dye	KS Adarsh, MG Kotresh, SM Amarayya, **SR Inamdar**	**Journal of Nanophotonics 12 (4), 046016 (2018)**	**1.6**
84	Dual Photoluminescence and Charge Transport in alkoxy biphenyl benzoate ferroelectric liquid crystalline-Graphene Oxide Composite	D.P. Singh, B. Duponchel, Y. Boussoualem, K. Agrahari, R. Manohar, V. Kumar, R. Pasricha, G.H. Pujar, S.R. Inamdar, R. Douali and A. Daoudi	**New J. Chem.,** 42, **16682-16693 (2018)**	**3.591**
83	Solvatochromism of a highly conjugated novel donor-π-acceptor dipolar fluorescent probe and its application in surface-energy transfer with gold nanoparticles	G.H. Pujar, Narahari Deshapande, Imtiyaz Ahmed M. Khazi, and **Sanjeev R. Inamdar**	**J. Mol. Liquids (Elsevier),** 271, 118-127**(2018)**	**6.165**
82	Photophysics and Rotational diffusion dynamics of large prolate non-polar laser dyes	Sanjeev R. Inamdar, J.R. Mannekutla, M.S. Sannaikar, M.N. Wari, B.G. Mulimani and M.I. Savadatti	**J. Mol. Liquids (Elsevier),** 268C, 66-76 **(2018)**	**6.165**
81	Enhancement of Nonlinear Optical and Thermal Properties of Polyurethanes by Modifying the Chromophores with Fused Heterocyclic and Pyrimidine Rings	Doddamani Radha, Rachipudi, P., Inamdar, S.R., Kariduraganavar, M.Y.	**Polymer Engineering and Science,**59, 3, **(2019) 500-509**	**1.5**
80	FRET from ZnSe/ZnS QDs to coumarin dyes: Role of acceptor dipole moment and QD surface states on FRET efficiency	**Sanjeev R. Inamdar**, G.H. Pujarand M S Sannaikar	**J. Luminescence (Elsevier),** 203, 67-73 **(2018)**	**3.599**
79	Photoluminescence properties of SnO_2 nanoparticles: Effect of solvents	N.C. Horti,**M.D. Kamatagi**, N.R. Patil, M.N. Wari and **S.R. Inamdar**	**Optik 169, 314-320 (2018)**	**2.187**
78	Synthesis of chromophores and polyimides with a green chemistry approach for second-order nonlinear optical applications	Doddamani, R.V., Tasaganva, R.G., **Inamdar, S.R., Kariduraganavar, M.Y.**	**Polymers for Advanced Technologies,** 29 (7), 2091-2102 **(2018)**	**1.906**
77	Microwave-Expedited Green Synthesis, Photophysical, Computational Studies of Coumarin-3-yl-thiazol-3-yl-1,2,4-triazolin-3-ones and Their Anticancer Activity	Saba K.S., Sannaikar, M.S., Kumbar, M., Bayannavar, **Inamdar S.R., Kamble, R.R.** and Joshi, S.D.	**CHEMISTRYSELECT (RSC),** 3(16), 4448-4462 **(2018)**	**2.109**

76	Comprehensive Study of Interaction between Biocompatible PEG-InP/ZnS QDs and Bovine Serum Albumin	M.S. Sannaikar, L.S. Inamdar, G.H. Pujar, M.N. Wari, N.H. Balasinor and **S.R. Inamdar**	**Luminescence (Wiley) 33(3), 495-504 (2018)**	**2.464**
75	InP/ZnS quantum dot dispersed nematic liquid crystal illustrating characteristic birefringence and enhanced electro-optical parameters	Rajiv Manohar, Arardhana Roy, G. Pathak, J. Herman, S.R. Inamdar and A. Srivastava	**Appl. Phys. A: Material Science & Processing, 124(3), 273 (2018)**	**2.584**
74	Synthesis, Photophysics of a Novel Green Light Emitting 1,3,4-oxadiazole and its application in FRET with ZnSe/ZnS QDs donor	G.H. Pujar, N. Deshapande, M.S. Sannaikar, M.N. Wari, I.M. Khazi and S.R. Inamdar	**J. Molecular Liquids, 248,** 350-359 **(2017)**	**6.165**
73	Synthesis, Photophysical and Computational Study of Novel Coumarin Based Organic Dyes	Kumbar, Sannaikar, ….Inamdar and Kamble	**Photochem. Photobiol. (Wiley) 94(2), 261-276 (2018)**	**3.421**
72	Synthesis, characterization and photophysical studies ofzinc(II) complexes derived from a hydralazine hydrazone	S.M. Patil, R.S. Vadavi, Umashri. G.H. Pujar, G. Chimmalagi, S.D. Kulkarni, M. Nethaji, S. Nembenna, S.R. Inamdar, K.B. Gudasi	**J. Photochem. Photobiol. A, 351, 225-230 (2018)**	**4.291**
71	Synthesis, characterization and photophysical properties of a new class of pyrene substituted 1,3,4-oxadiazole derivatives	Mahesh S. Najare, Mallikarjun K. Patil, ShivarajMantur, AfraQuasar A. Nadaf, **Sanjeev R. Inamdar**, Imtiyaz Ahmed M. Khazi	**Optical Materials 88 (2018) 256-265,**	**3.08**
70	A combined experimental and computational investigation of solvatochromism of nonpolar laser dyes: Evaluation of ground and singlet excited-state dipole moments	G.H. Pujar, M.N. Wari, B. Steffi, H. Varsha, B. Kavita, C.Y. Panicker, C. Santhosh, A. Patil, **S.R. Inamdar**	**J. Molecular Liquids, 244,** 453–463 **(2017)**	**6.165**
69	Spectroscopic investigation of water-soluble alloyed QDs with bovine serum albumin	K. S. Adarsh, M. K. Singh, M. G. Kotresh,L.S. Inamdar, M. A. Shivkumar, B. N. Jagatap, B.G. Mulimani and S.R. Inamdar	**Luminescence (Wiley),** 32, 35-42 **(2017)**	**2.464**
68	Synthesis and Optoelectronic Exploration of Highly Conjugated 1,3,4-Oxadiazole Containing Donor-π-Acceptor Chromophores	N. Deshapande, G. H. Pujar, M. G. Sunagar, S. Gaonkar, N.S. Belavagi, S.R. Inamdar, C. Bathula and I.M. Khazi	**CHEMISTRYSELECT (RSC),** Vol. 2, 1793–1801, (**2017**)	**2.109**
67	Time-Resolved Fluorescence and Absence of Förster Resonance Energy Transfer in Ferroelectric Liquid Crystal-Quantum Dots Composites	Dharmendra Pratap Singh, S Pandey, R Manohar, Sandeep Kumar, G. H. Pujar, Sanjeev R Inamdar	**J Luminescence,** 190, 161-170 (**2017**)	**3.599**

66	Interaction and energy transfer studies between Bovine Serum Albumin and CdTe QDs conjugates: CdTe QDs as energy acceptor probes	M.G. Kotresh, L.S. Inamdar, M.A. Shivkumar, K.S. Adarsh, B.N. Jagatap, B.G. Mulimani, G.M. Advirao and S.R. Inamdar	**Luminescence (Wiley), 32, 631-639 (2017)**	**2.464**
65	Effect of quencher and temperature on fluorescence intensity of laser dyes: DETC and C504T	J. Basavaraja, H.M. Sureshkumar and **S.R. Inamdar**	**Spectrochimica Acta Part A**: 170, 124-30 (**2017**)	**4.098**
64	Steady State and Time Resolved Spectroscopic Study of CdSe and CdSe/ZnS QDs:FRET Approach	M.G. Kotresh, K.S. Adarsh M.A. Shivkumar and **S.R. Inamdar**	**J. Fluorescence** 26, 1249 (**2016**)	**2.217**
63	Estimation of ground and excited state dipole moment of laser dyes C504T and C521T using solvatochromic shifts of absorption and fluorescence spectra	J Basavaraja, HMS Kumar, **SR Inamdar**, MN Wari	**Spectrochimica Acta Part A:** 154, 177-184 (**2016**)	**4.098**
62	Synthesis, characterization and optoelectronic investigations of Thiophene substituted 1,3,4-Oxadiazole derivatives as fluorescent materials	Narahari Deshapande, Pujar, G. H, Manjunath G. Sunagar, Supreet Gaonkar, Ningaraddi S. Belavagi, **Inamdar S. R , Imtiyaz Ahmed M. Khazi**	*Int. J. Current Research,* 2016, 8(09), 38580-38586.	**1.012**
61	Spectroscopic investigation of alloyed quantum dot based FRET to cresyl violet dye	M.G. Kotresh, K.S. Adarsh, M.A. Shivkumar, B.G. Mulimani, M.I. Savadatti and **S.R. Inamdar**	**Luminescence** (Wiley), 31, 760-768 (**2016**)	**2.464**
60	Solvatochromic Study of Ground and Excited State Dipole moments of Pyrromethene Laser Dyes	Radha A. Goudar, G. H. Pujar, M. N. Wari and **S. R. Inamdar**	**Int. J. Luminescence and Appl.**6, 92-100 (**2016**)	**--**
59	Synthesis, characterization and optoelectronic investigations of bithiophene substituted 1,3,4-oxadiazole derivatives as green fluorescent materials	N. Deshapande, N.S. Belavagi, Manjunath. G. Sunagar, S. Gaonkar, G.H. Pujar, M.N. Wari, S. R. Inamdar and I. M. Khazi	**RSC Advances,** 5, 86685 **(2015)**	**3.840**
58	Rotational diffusion of a new large nonpolar dye molecule in alkanes	Radha Goudar, Ritu Gupta, G.U. Kulkarni and**S.R. Inamdar**	**J. Fluorescence,** 25 (6), 1671-1679 **(2015)**	**2.217**
57	Resonance Energy Transfer: Dye to metal nanoparticles	M.N. Wari, G.H. Pujar and **S.R. Inamdar**	**AIP Conf. Proc.**1665, 050163 **(2015)**	**--**
56	Spectroscopic signature of semiconductor QDs: FRET between CdTe QDs and cresyl violet dye	M.G. Kotresh, K.S. Adarsh, M.A. Shivkumar and **S.R. Inamdar**	**Int. J Luminescence and Appl.,** 5, 20-23 **(2015)**	**--**
55	Design, Synthesis and Optoelectronic Properties of Unsymmetrical oxadiazole Based	N.S. Belavagi, N. Deshapande, G.H. Pujar,	**J. Fluorescence,** 25, 1323-1330 **(2015)**	**2.217**

	Indene Substituted Derivatives as Deep Blue Fluoroscent Materials	M.N. Wari, **S.R. Inamdar** and I.M. Khazi		
54	Synthesis of thermally stable new polyurethanes containing nitro-substituted 1,3,4-oxadiazole chromophores for second order nonlinear optical applications	R.G. Tasaganva R.V. Doddamani **S.R. Inamdar, M.Y.Kariduraganavar**	**Optik** – Int. J. Light & Electron Optics, 126, 4991-5000 **(2015)**	**2.187**
53	FRET from core and core-shell quantum dots to laser dye: A comparative investigation	K.S. Adarsh, M.A. Shivkumar, M.K. Singh, M.K. Rabinal, B.N. Jagatap, B.G. Mulimani, M.I. Savadatti and **S.R. Inamdar**	**J. Luminescence,** 160, 216-222 **(2015)**	**3.599**
52	Solvents effect on the absorption and fluorescence spectra of 7-diethylamino-3-thenoylcoumarin: solvatochromism and solvent polarity parameters	J. Basavaraja, S.R. Inamdar and H.M. Suresh Kumar	**Spectrochim. Acta Part A:** 137, 525-34**(2015)**	**4.098**
51	Impact of UV Laser on embryonic brain protein profile of a Lizard, *Calotes Versicolor* (Daud.)	R.S. Nindhi, B.S. Khodnapur, , Shivakumar A. Math,Gopal M. Advi Rao, **S.R. Inamdar** and L.S. Inamdar	Jl. Chem. Biol. Physical. Sci. 5; 4 pp 4191-4198 (2015)	**1.085**
50	UV Laser irradiation alters the embryonic protein profile of adrenal-kidney-gonadal complex and gonadal differentiation in the lizard, *Calotes versicolor*	B.S. Khodnapur, R.S. Nindhi, B.G. Mulimani, S.R. Inamdar and L.S. Inamdar	**Int. J. Radiation Biol.** 91, 194-201 **(2015)**	**2.009**
49	Determination of ground and excited state dipole moments of dipolar laser dyes by solvatochromic shift method	S.K. Patil, M.N. Wari, C. Yohannan Panicker and S.R. Inamdar	**Spectrochim. Acta Part A:** 123, 117-126 (**2014**)	**4.098**
48	Solvatochromic study of coumarin 545 in alcohols for the determination of ground and excited state dipole moments	S.K. Patil, M.N. Wari, C. Yohannan Panicker and **S.R. Inamdar**	Int. J. Adv. Res. 1(8), 616-626 (**2013**)	--
47	Rotational dynamics of coumarin 519 in alcohols	Patil, S. K., Wari, M. N. and **Inamdar, S. R.**	Int. J. Curr. Res. 10, 2859-2862 (**2013**)	--
46	Quantum dot based FRET to cresyl violet: Role of surface effects	M.A. Shivkumar, K.S. Adarsh and **S.R. Inamdar**	**J. Luminescence (Elsevier**), 143, 680-686 **(2013)**	**3.599**
45	Quantum Dot Based FRET to Fluorescein 27: A Spectrally Resolved Energy Transfer Study	M.A. Shivkumar and **S.R. Inamdar**	Int. J. Curr. Res., 5, 1415-1418 (**2013**)	**--**
44	FRET from CdSe/ZnS Core-Shell Quantum Dots to Fluorescein 27 Dye	M.A. Shivkumar, Laxmi S. Inamdar, M.K. Rabinal, B.G. Mulimani, G.M. A. Rao and **S.R. Inamdar**	**Open J. Phys. Chem.** 3, 40-48 **(2013)**	0.84
43	Solvent effect on the spectral properties of dipolar dyes: Evalouation of ground and excited state diploe moments	K.H. Nagachandra, J.R. Mannekutla, M.A. Shivkumar and S.R. Inamdar	**European J. Chem,** 3, 163-171 **(2012)**	**0.64**

42	Influence of temperature on rotational diffusion of dipolar laser dyes in glycerol	K.H. Nagachandra, J.R. Mannekutla, M.A. Shivkumar andS.R. Inamdar	**J. Luminescence**, 132, 570–578**(2012)**	**3.599**
41	Synthesis and Characterization of Nonlinear Optical Side-Chain Polyimides Containing the Thiadiazole Chromophores	S. M. Tambe, R.G. Tasaganva, S.R. Inamdar, M.Y. Kariduraganavar	**J. Applied Polymer Science,** 125, 10498-1058 **2012**	**2.52**
40	Development of Novel crosslinkable polmers for second-order nonlinear optical devices	R.G. Tasaganva, M.Y. Kariduraganavar, R.R. Kamble, S.R. Inamdar	**Synthetic Metals,** 161, 1787-99 **(2011)**	**3.286**
39	Studies on nonlinear optical polyurethanes containing heterocyclic chromophores	**M.Y. Kariduraganavar**, S.M. Tambe, R.G. Tasaganva, A.A. Kittur, S.S. Kulkarni, **S.R. Inamdar**	**J. Molecular Structure** 987, 158–165 **(2011)**	**3.196**
38	Rotational diffusion of coumarins: a dielectric friction study	J.R. Mannekutla, **S.R. Inamdar**, B.G. Mulimaniand M.I. Savadatti	**J. Fluorescence,** 20, 797-808 **(2010)**	**2.217**
37	Synthesis and nonlinear optical properties of polyurethanes containing nitro-substituted 1,3,4-oxadiazole chromophores	R.G. Tasaganva, M.Y. Kariduraganavar and **S.R. Inamdar**	**Synthetic Metals (Elsevier)** 159,1812-19 **(2009)**	**3.286**
36	Triacontanol and Jasmonic acid differentially modulate the fluorescent probe behavior and ^{31}P nuclear magnetic resonance shifts in model membranes	G. Sivakumar Swamy, K. Ramanarayan, Laxmi S. Inamdar and S.R. Inamdar	**J. Membrane Biology,** 228, 165-177 **(2009)**	**2.174**
35	Rotational diffusion of coumarins in aqueous DMSO	S.R. Inamdar, B.R. Gayathri and J.R. Mannekutla	**J. Fluorescence,** 19, 693-703 **(2009)**	**1.667**
34	Synthesis and characterization of thermally 17stable second order nonlinear optical side-chain polyimides containing thiazole and benzothiazole push-pull chromophores	S.M. Tambe, A.A. Kittur, S.R. Inamdar, G.R. Mitchell and M.Y. Karidurgannavar	**Optical Materials (Elsevier),** 31, 817-825 **(2009)**	**3.080**
33	Effect of binary solvent mixtures (DMSO/water) on the dipole moment and lifetime of coumarin dyes	B.R. Gayathri, J.R. Mannekutla and **S.R. Inamdar**	**J. Molecular Structure,** 889, 383-393 **(2008)**	**3.196**
32	Rotational diffusion of coumarins in alcohols: a dielectric friction study	B.R. Gayathri, J.R. Mannekutla and **S.R. Inamdar**	**J. Fluorescence**, 18, 943-952 **(2008)**	**2.217**
31	Solvent effect on absorption and fluorescence spectra of coumarin laser dyes: Evaluation of ground and excited state dipole moments	J.R. Mannekutla, B.G. Mulimani and **S.R. Inamdar**	**Spectrochim. Acta A:***69, 419-426* ***(2008)***	**4.098**
30	Rotational dynamics of UVITEX-OB in alkanes, alcohols and binary mixtures	J.R. Mannekutla, B.G. Mulimani, P. Ramamurthy and **S.R. Inamdar**	**Chem. Phys.** 340, 149-157 **(2007)**	**2.991**

29	Solvent effects on the absorption and fluorescence spectra of some laser dyes: Estimation of ground and excited state dipole moments	J. Thipperudra, D.S. Biradar, S.R. Manohara, S.M. Hangodimath, **S.R. Inamdar** and R.M. James	**Spectrochim. Acta A,***69, 991-997* ***(2008)***	**4.098**
28	Rotational dynamics of nonpolar laser dyes	**S.R. Inamdar**, J.R. Mannekutla, B.G. Mulimani and M.I. Savadatti	**Chem. Phys. Lett. 429, 141-146 (2006*)***	**2.48**
27	Fluorescence quenching of UVITEX-OB by aniline in different solvents	J. R. Mannekutla, B. G. Mulimani, M. I. Savadatti and**S. R. Inamdar**	**Spectrosc. Lett. (USA),** 39, 321-335 **(2006)**	1.179
26	Biomolecular changes and somatic mutations induced by uv laser irradiation at embryonic stage of *Bombyx mori*	S.R. Hosagoudar, H.B. Manjunatha and **S.R. Inamdar**	**Int. J. Radiation Biol. (Japan)** 82, 648 **(2006)**	**2.009**
25	Dual Fluorescence and Laser emissions from Fluorescein Na and Eosin B	N.N. Math, H.M. Suresh, L.R. Naik and **S.R. Inamdar**	**J. Luminescence,** 121, 475 **(2006)**	**3.599**
24	Analysis of fluorescence quenching of new indole derivative by aniline using Stern-Volmer plots	H.M. Suresh Kumar, R.S. Kunabenchi, J.S. Biradar, N.N. Math and**S.R. Inamdar**	**J. Luminescence,** 116, 35 **(2006)**	**3.599**
23	IR, Raman and SERS studies of methyl salicylate	H.T. Varghese, C.Y. Panicker, D. Philip, J.R. Mannekutla and **S.R. Inamdar**	**Spectrochim. Acta A:** 66, 959 **(2006)**	**4.098**
22	Fluorescence quenching of BPBD by aniline in benzene-acetonitrile mixtures	J. Thipperudrappa, D.S. Biradar, M.T. Lagare, S.M. Hanagodimath, **S.R. Inamdar** and J.S. Kadadevarmath	**J. Photochem. Photobiol. A: Chem.** 177, 89-93 **(2006)**	4.291
21	Steady state and time resolved emission studies of 6-methoxy quinoline	N.N. Math, L.R. Naik, H.M. Suresh and **S.R. Inamdar**	**Spectrosc. Lett. (USA)** 38, 645-659 **(2005)**	1.179
20	Fluorescence anisotropy in solutions	**S. R. Inamdar,** J. R. Mannekutla**,** B. G. Mulimaniand M. I. Savadatti	***ISRAPS Bulletin*****,** 17, 22-26 **(2005)**	--
19	Ground and excited state dipole moments of some exalite UV laser dyes from solvatochromic method using solvent polarity parameters	Y. F. Nadaf, B. G. Mulimani, M. Gopaland **S. R. Inamdar**	**J. Molec. Struct. (THEOCHEM) (UK),** 678, 177-181 **(2004)**	**1.403**
18	Fluorescence quenching of Bis-MSB by CCL_4 in different solvents	J. Thipperudrappa, D.S. Biradar, S.M. Hanagodimath, **S.R. Inamdar** and Kadadevarmath	**J. Photoscience (Korea)** 11, 11-17 **(2004)**	--
17	Ground and excited state dipole moments of exalite 404 and exalite 417 laser dyes determined from	**S. R. Inamdar**, Y. F. Nadaf and B. G. Mulimani	**J. Molec. Struct. (THEOCHEM) (UK**), 624, 47-52 **(2003)**	**1.403**

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16	Fluorescence quenching of 6-chloro-2-phenyl [benz(b)pyrrole]1-1carboxaldehyde thiosemicarbazone by CCl_4 in different solvents	H.M. Suresh Kumar, M.N. Ramakanth, R.S. Kunabenchi, S.M. Hanagodimath, J.S. Biradar, P. Renuka, N.N. Math, J.S. Kadadevarmath and **S.R. Inamdar**	**Ind. J. pure & Appl. Phys.** (India) 40, 466-470 **(2002)**	0.40
15	Interaction between a 8-methoxypyrimido[4',5':4,5]thieno(2,3-b) quinoline-4(3H) one amtitumour drug and deoxyribonucleic acid	G.M.A. Rao, M.S. Shahabuddin and **S.R. Inamdar**	**Proc. of Indian Acad. Sci. (Chem. Sci)** 114, 1-10 **(2002)**	1.544
14	Estimation of Excited State Dipole Moments of Exalite dyes by solvatochromic shift studies	Y.F. Nadaf, D.K. Deshpande, A.M. Karguppikar and **S.R. Inamdar**	**J. Photoscience (Korea)** 9, 29-32 **(2002)**	--
13	Energy Transfer Mechanisms in Laser Dye Mixtures	**S.R. Inamdar**, B.G. Mulimani, M.I. Savadatti, A.V. Sapre and T. Mukherjee	**Spectrosc. Lett. (USA)** 35 (2), 293-307 **(2002)**	1.179
12	Growth and characterization of N-(2-chlorophenyl)-(1-propanamide) – A non-linear organic crystal	Sharada G. Prabhu, P. Mohan Rao, I. Bhat, S. Upadhyaya and **S.R. Inamdar**	**J. Crystal Growth (Netherlands**) 233, 375-379 **(2001)**	**1.797**
11	Large scale advection of continental aerosols during INDOEX J.F. Leon, P. Chazette, F. Dulac, J. Pelon, C. Flamant, M. Bonazzola, G. Foret, S.C. Alfaro, **H. Cachier**, S. Chatenet,	E. Hamonou, A. Gaudichet,L. Gomes, J.L. Rajot, F. Lavenu, **S.R. Inamdar**, P.R. Sarode and J.S. Kadadevarmath	**J. Geophys. Res. (USA)** 106, #D22, 28,427-28,440 **(2001)**	**3.44**
10	Study of Intermolecular interactions by laser induced emission measurements	K. Chandrasekhar, **S.R. Inamdar**, D.C. Patil and N.N. Math	**K.U. Journal - Science,** (India) 41, 71-77 **(1997)**	--
9	Picosecond time-resolved laser emission of coumarin 102: Solvent relaxation	**S.R. Inamdar**, K. Chandrashekhar, D.C. Patil, N.N. Math and **M.I. Savadatti**	**Pramana,** J. Phys., (India), 45, 279-290 **(1995)**	0.32
8	Orientational relaxation of aminocoumarins by time-resolved dichroism with picosecond pulses.	K. Chandrashekhar, **S.R. Inamdar**, D.C. Patil and N.N. Math	**Spectrosc. Lett.** (USA), 28, 153-165 **(1995)**	1.179
7	Fluorescence and laser emission from coumarin-acridine orange mixtures	**S.R. Inamdar**, N.N. Math and **M.I. Savadatti**	**Spectrosc. Lett. (USA),** 26(2), 359-374 **(1993)**	1.179
6	Laser spectroscopy facility at Karnatak University	**S.R. Inamdar**, K. Chandrashekhar, J.L. Nadgeer, M.N. Dixit, D.C. Patil and M.R. Gorbal	**Karnatak University J. - Science**, XXXV, 151-62 **(1992)**	--

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4	Influence of experimental configuration on dominant energy transfer mechanisms	S.R. Inamdarand **M.I. Savadatti**	**Pramana**, J. Phys., (India), 37, 353**(1991)**	2.219
3	A new laser dye	J.V. Yenagi, **S.R. Inamdar**, M.R. Gorbal and **M.I. Savadatti**	**Bull. Am. Phys. Soc., (USA), 35, 1531 (1990)**	--
2	Efficiency of ETDLs and its dependence on molecular parameters	**M.I. Savadatti**, **S.R. Inamdar** and M.R. Gorbal	**Bull. Am. Phys. Soc., (USA), 34, 1667 (1989)**	--
1	**Energy transfer dye lasers**	**M.I. Savadatti**, **S.R. Inamdar**, N.N. Math and A.D. Mulla	***J. Chem. Soc.,* Faraday Trans. *2* (UK), 82, 2417 (1986)**	**4.198**