


Title	Dr.	First Name	Shiv	Last Name	Kumar	
Designation	Assistant Professor					
Department	Department of Chemistry					
Email	shivkumar@chemistry.du.ac.in					
Webpage	https://sites.google.com/view/kosl					

Employment Info		
Employee Type	Nature Of Employment	
Teaching	Permanent	
Educational		
Degree/Certification	Institution	Year
PG	Indian Institute of Science, Bengaluru	2016
Ph.D. -	Indian Institute of Science, Bengaluru	2016
UG	Kirori Mal College, University of Delhi	2008
Qualifications		
Examination Name	Conducted By	Date of Passing
NET	CSIR	2010-12-19
Fellowship		
Fellowship Name	Fellowship Body	Level
Integrated PhD Fellowship	Indian Institute of Science	National
Junior Research Fellowship (JRF)	UGC, India	National
Senior Research Fellowship (SRF)	UGC, India	National
Visiting Research Fellowship	University of Salento, Italy	International
Visiting Research Fellowship	University of Cambridge, UK	International
Visiting Research Fellowship	Kyushu University, Japan	International
National Postdoctoral Fellowship (N-PDF)	SERB, India	International

Marie-Curie Individual Fellowship (MCIF-Standard-Global)	European Commission, EU	International
Postdoctoral Research Fellowship	Université Libre de Bruxelles, Belgium	International
Postdoctoral Research Fellowship	Université Libre de Bruxelles, Belgium	International

Teaching experience outside the Institution

Designation	Institution	Duration From	Duration To
Postdoctoral Fellow	Université Libre de Bruxelles, Belgium	2022-03-01	2023-07-31
Postdoctoral Fellow	Université Libre de Bruxelles, Belgium	2020-10-01	2021-09-30
Marie Sklodowska-Curie Postdoctoral Fellow	University of St Andrews, UK	2017-07-04	2020-03-31
National Postdoctoral Fellow (N-PDF)	Indian Institute of Technology Kanpur (IITK), India	2016-08-01	2017-04-30
Project Scientist	Indian Institute of Technology Kanpur (IITK), India	2016-05-30	2016-07-31

Research Publications

Article Name	Publication Type	Journal Name	ISSN No	Volume	Year	URL
Insight into Unusual Supramolecular Self-Assemblies of Terthiophenes Directed by Weak Hydrogen Bonding	Research Papers in Peer Reviewed Journals	International journal of molecular sciences	1422-0067	24	2023	https://www.mdpi.com/1
Elucidation of an aggregate excited state in the electrochemiluminescence and chemiluminescence of a thermally activated delayed fluorescence (TADF) emitter	Research Papers in Peer Reviewed Journals	Langmuir	1520-5827	39	2023	https://pubs.acs.org/doi/
Halogen-Bonded Thiophene Derivatives Prepared by Solution and/or Mechanochemical	Research Papers in Peer	Crystal Growth & Design	1528-7505	23	2023	https://pubs.acs.org/doi/

Synthesis. Evidence of N···S Chalcogen Bonds in Homo- and Cocrystals	Reviewed Journals					
Photoluminescence and electrochemiluminescence of thermally activated delayed fluorescence (TADF) emitters containing diphenylphosphine chalcogenide-substituted carbazole donors	Research Papers in Peer Reviewed Journals	Journal of Materials Chemistry C	2050-7534	10	2022	https://pubs.rsc.org/en/c
Stimuli responsive materials supported by orthogonal hydrogen and halogen bonding or I···alkene interaction	Research Papers in Peer Reviewed Journals	Molecules	1420-3049	26	2021	https://www.mdpi.com/1
Investigation of intramolecular through-space charge-transfer states in donor-acceptor charge-transfer systems	Research Papers in Peer Reviewed Journals	The Journal of Physical Chemistry Letters	1948-7185	12	2021	https://pubs.acs.org/doi/
OBO-fused benzo [fg] tetracene as acceptor with potential for thermally activated delayed fluorescence emitters	Research Papers in Peer Reviewed Journals	Frontiers in Chemistry	2296-2646	8	2020	https://www.frontiersin.c
Front Cover: Highly Fluorescent Emitters Based on Triphenylamine- π -Triazine (D- π -A) System: Effect of Extended Conjugation on Singlet-Triplet Energy Gap (Asian J. Org. Chem. 9/2020)	Research Papers in Peer Reviewed Journals	Asian Journal of Organic Chemistry	2193-5815	9	2020	https://onlinelibrary.wiley
Highly Fluorescent Emitters Based on Triphenylamine- π -Triazine (D- π -A) System: Effect of Extended Conjugation on Singlet-Triplet Energy Gap	Research Papers in Peer Reviewed Journals	Asian Journal of Organic Chemistry	2193-5815	9	2020	https://onlinelibrary.wiley
High-triplet-energy bipolar host materials	Research Papers in	Chemistry Letters	0366-7022	48	2019	https://www.journal.csj.jp

based on phosphine oxide derivatives for efficient sky-blue thermally activated delayed fluorescence organic light-emitting diodes with reduced roll-off	Peer Reviewed Journals					
Influence of alkyl chains on fluoranthene ensembles towards fluorescence-based detection of 2,4,6-trinitrophenol	Research Papers in Peer Reviewed Journals	Applied Surface Science	1873-5584	481	2019	https://www.sciencedire
Maleimide-based donor- π -acceptor- π -donor derivative for efficient organic light-emitting diodes	Research Papers in Peer Reviewed Journals	Organic Electronics	1878-5530	38	2016	https://www.sciencedire
A Deep-Blue Electroluminescent Device Based on a Coumarin Derivative	Research Papers in Peer Reviewed Journals	ChemPlusChem	2192-6506	81	2016	https://chemistry-europe.onlinelibrary.wile
Fluoranthene derivatives as blue fluorescent materials for non-doped organic light-emitting diodes	Research Papers in Peer Reviewed Journals	Journal of Material Chemistry C	2050-7534	4	2016	https://pubs.rsc.org/en/c
Fluoranthene-based molecules as electron transport and blue fluorescent materials for organic light-emitting diodes	Research Papers in Peer Reviewed Journals	The Journal of Physical Chemistry C	1932-7455	119	2015	https://pubs.acs.org/doi/
High Tg fluoranthene-based electron transport materials for organic light-emitting diodes	Research Papers in Peer Reviewed Journals	New Journal of Chemistry	1369-9261	39	2015	https://pubs.rsc.org/en/c
Correlation between Optical Properties and Nanomorphology of Fluoranthene-Based Conjugated Copolymer	Research Papers in Peer Reviewed Journals	The Journal of Physical Chemistry C	1932-7455	118	2014	https://pubs.acs.org/doi/

Fluoranthene Based Derivatives for Detection of Trace Explosive Nitroaromatics	Research Papers in Peer Reviewed Journals	Journal of Physical Chemistry C	1932-7455	117	2013	https://pubs.acs.org/doi/
Femtogram Detection of Explosive Nitroaromatics: Fluoranthene-Based Fluorescent Chemosensors	Research Papers in Peer Reviewed Journals	Chemistry–A European Journal	1521-3765	18	2012	https://chemistry-europe.onlinelibrary.wile
Fluoranthene based fluorescent chemosensors for detection of explosive nitroaromatics	Research Papers in Peer Reviewed Journals	Chemical Communications	1364-548X	48	2012	https://pubs.rsc.org/en/c

Professional development programmes

Title of the Programme	Sponsoring Institution	Organising Institution	Association as	type
Visiting Researcher	Indian Institute of Science, India	University of Cambridge, UK	Attendee	Short Term Program
Visiting Researcher	Indian Institute of Science, India	University of Salento, Italy	Attendee	Short Term Program
Visiting Researcher	Indian Institute of Science, India	Kyushu University, Japan	Attendee	Short Term Program

Honour And Awards

Name of the Award	Name of the Awarding Body	Award Category	Level	Date of Award
International Travel Grant	CSIR, India	Any Other	National	2015-06-03
GARP-International Travel Grant	Indian Institute of Science, India	Any Other	University	2015-04-16
INSPIRE Faculty Award	DST, India	Academic	National	2017-02-14
INSPIRE Faculty Award	DST, India	Academic	National	2019-02-11

Patents

Patent Title	Outcome of the Patent	Patent Number	Level of Patent
FLUORANTHENE DERIVATIVES FOR DETECTION OF NITRO AROMATIC COMPOUNDS		288889	National

Seminar / Conference Details / Workshops

Title of the Activity	Attended As	Date
International Conference on Organic Electronics (ICOE2023), July 3-7, 2023, University of Madrid, Madrid, Spain (Oral)	Speaker	2023-07-03
PhD students Scientific Day of the EDT-CHIMIE, January 27, 2023, University of Mons, Belgium (Poster)	Participant	2023-01-27
2023 #RSCPoster Twitter Conference, February 28, 2023, RSC, UK (Poster)	Participant	2023-02-28
ScotChem Workshop – Working with Industry, September 6, 2019, University of Strathclyde Glasgow, Scotland, UK	Participant	2019-09-06
EaStCHEM Conference for Early Career Researchers (ECECR), September 4, 2019, University of St Andrews, Scotland, UK (Oral)	Speaker	2019-09-04
RSE-JSPS Symposium, May 3, 2018, Royal Society of Edinburgh, Scotland, UK (Poster)	Participant	2018-05-03
Marie-Curie Alumni Association (MCAA) General Assembly, February 2-3, 2018, Katholieke Universiteit (KU) Leuven, Belgium (Poster)	Participant	2018-02-02
1st International TADF Symposium, September 6, 2017, Frankfurt, Germany (Poster)	Participant	2017-09-06
14th International Conference on Electrical and related properties of Organic Solids (ERPOS 2017), July 9-13, 2017, University of St Andrews, Scotland, UK (Poster)	Participant	2017-07-10
International Conference on Functional Materials ICFM 2016, Dec 12-14, Indian Institute of Technology (IIT) Kharagpur, India (Oral)	Speaker	2016-12-12
12th International Symposium Functional π -Electron Systems (FPi-12), July 19-24, 2015, University of Washington, Seattle, United States (Poster)	Participant	2015-09-19
Indo-US Symposium on Molecular Materials, July 15-17, 2013, Indian Institute of Science, Bengaluru, India (Poster)	Participant	2013-12-16

* This site is designed and developed by Samarth eGov and the content is provided by the individual. For further details, please contact the individual / university.