

Curriculum Vitae – Prof. Subi Jacob George

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Professor

Supramolecular Chemistry Lab, New Chemistry Unit

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Google Scholar ID: "Subi J. George"

ORCID: 0000-0003-4429-5237

Date of Birth: January 1st, 1977

Education

- Dec 2004- June 2008 **Postdoctoral associate** in the group of Prof. Dr. E. W. (Bert) Meijer and Dr. Albert Schenning Laboratory of Macromolecular and Organic Chemistry, Eindhoven University of Technology, The Netherlands
- 2000-2004 **Ph.D. Researcher** in the group of Prof. A. Ajayaghosh, Photosciences and Photonics Unit, Chemical Sciences and Technology Division, National Institute for Interdisciplinary Science and Technology, NIST (CSIR) (formerly RRL), Trivandrum, India
- 2000 **Masters in Organic Chemistry** from Mahatma Gandhi University, Kerala, India (**First Rank**)

Independent Academic Career

- 2020-till now Professor and Chair at the New Chemistry Unit, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bangalore
- July 2014-2020 Associate Professor at the New Chemistry Unit, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bangalore
- August 2008-June 2014 Assistant Professor at the New Chemistry Unit, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bangalore

Citation Index (as on 20th March 2024, Source: Google Scholar)

Total Number of publications: 152

Average Impact Factor per publication: ~11.25

Average Citation per Publication: 76.59

Total Citations: 12013; **h-index: 65**; i10-index: 130

Approved Research Projects

- Science and Engineering Research Board (SERB) CRG
- Indo-Swiss Joint Research Programme (ISJRP)
- Swarnajayanti Fellowship (DST, India)
- Nanomission Project, DST India (Co-PI)
- DST-JSPS, India-Japan Project-based Personnel Exchange Programme
- DST-DAAD India-Germany Project-based Personnel Exchange Programme
- Technical Research Centre (TRC) (funded by DST, India, Co-PI)
- Indo-UK Solar-Cell Project (Co-PI)
- Nano-chemistry of molecular materials for 2-photon Functional applications (Nano2fun-Co-PI, Nano2fun is a Marie Curie Initial Training Network (ITN) funded by the European Commission through FP7-Marie Curie Actions)
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Supervision of Ph.D., Postdoctoral fellows and Master students

2008 - 13 Students have obtained Ph.D. and currently supervising 8 Ph. D students in the field of supramolecular polymers and materials. 5 of the alumni have joined as Assistant professors in Indian and foreign Universities. Supervised 16 post-docs during these years. In addition, 6 M. Sc. students have graduated from the group so far.

Teaching Activities

2009- Basics in Organic Chemistry and Polymer and Supramolecular Chemistry
2010-2011 Macromolecular Materials
2012- Analytical Methods for Chemists
2009 Practical courses in Organic Chemistry
Undergraduate Level:
2009- Lectures on "Organic and Supramolecular Chemistry"

Memberships

2012- Material Research Society of India (MRSI)
2014- Chemical Research Society of India (CRSI)

Professional recognition, awards, fellowships received

Major recognitions:

- **Fellow of The National Academy of Sciences, India (NASI), 2023**
- CNR Rao National Prize for Chemical Sciences by the Chemical Research Society of India (CRSI) 2021
- **Shanti Swarup Bhatnagar (SSB) award in chemical sciences, 2020**
- Associate Editor, Chemical Science (RSC), 2020
- **Fellow of Indian Academy of Sciences, Bangalore, 2019**
- **SwarnaJayanti Fellowship (2017)**
- Asian Photochemistry Association (APA) Young Scientist Award (2016)
- NASI-Scopus Young Scientist (2015) Award
- CRSI Bronze Medal, 2015
- MRSI Medal, 2013

Other recognitions:

- Chirantan Rasayan Sanstha (CRS) award for research and innovation excellence, 2023.
- 75 under 50 Scientists Shaping Today's India" by DST
- Editorial Advisory Board Member, The Journal of the American Chemical Society (JACS) ACS) - (2023-to date)
- Editorial Advisory Board Member, Physical Chemistry Chemical Physics (RSC) - (2023-to date)
- Editorial Advisory Board Member, Chemistry – An Asian Journal (Wiley) - (2023-to date)
- Editorial Advisory Board Member, Organic Materials (Thieme) - (2020-to date)
- Editorial Advisory Board, Material Horizons (RSC)- (2017-)
- Editorial Advisory Board Member, Chem (Cell Press)- (2019-2022)
- Author Profile in Angewandte Chemie for publishing 10 articles in 10 years in this journal (2017)
- ACS Sustainable Chemistry and Engineering-Early Career Board (2017-2021)
- JSPS Short-Term Research Fellow, Japan Society for the Promotion of Science (JSPS) (2016)
- Editorial Advisory Board Member of Chemistry of Materials (ACS, 2016-2020)
- Editorial Board of ChemNanoMat (Wiley) journal (2016-2023)
- "Sheikh Saqr Career Award Fellow" Sheikh Saqr Laboratory, JNCASR, Bangalore
- "Emerging Investigator", Journal of Materials Chemistry for the year 2014
- Young Associate, Indian Academy of Science, Bangalore, 2011
- "Emerging Investigator", Chem. Commun. for the year 2012
- Senior Research Fellowship from CSIR, Government of India (2003 – 2004).

- Junior Research Fellowship from CSIR, Government of India (2001 - 2003).

Major Active Scientific Collaborations

- Dr. Giovanni Pavan- University of Applied Sciences and Arts of Southern Switzerland (SUPSI)-*Molecular modelling of dynamic supramolecular polymers*
- Prof. E. W. "Bert" Meijer – TU/e (Netherlands). *Supramolecular helical polymers & self-assembly*
- Prof. Takeuchi & Prof. Kazunori Sugiyasu – NIMS (Japan). *Fuel-Driven 2-D living supramolecular polymers*
- Prof. Pol Besenius – University of Mainz (Germany), *Soft-Lithography of Supramolecular Polymers*
- Prof. Anna Painelli – University of Parma (Italy)-Charge-transfer derived supramolecular polymers
- Dr. Mathieu Surin @ Prof. David Belojnne – University of Mons (Italy)- *MD simulations*
- Prof. Balasuramanian – JNCASR, India- *Modelling of Supramolecular Polymers*
- Prof. K. S. Narayan and Prof. G. U. Kulkarni-JNCASR, India-*Device fabrication of Supramolecular Polymers*
- Prof. Milan K. Sanyal-Saha Institute, India- *Synchrotron Analysis of supramolecular polymers*
- Prof. M. Eswaramoorthy - JNCASR, India- *Inorganic Materials*.
- Prof. Swapan K. Pati-JNCASR, India- *DFT studies*

Technology Transferred/Patents

1. US Patent 9, 985, 616 Methods and compositions for the separation of single-walled carbon nanotubes, C. N. R. Rao, S. J. George, R. Vaggu, K. V. Rao, (US patent 8246928).
2. Methods and compositions for the separation of single-walled carbon nanotubes, C. N. R. Rao, S. J. George, R. Vaggu, K. V. Rao, US Patent (US patent 8,580,223).
3. Hydrocarbon Sorbent Materials, S. J. George, K. V. Rao, (US Patent 9,937,538).
4. Chromophores for the detection of volatile organic compounds, S. J. George, M., Kumar (US Patent App. 13/489,876).

Details of Books published

1. Hydrogen-Bonded Assemblies of Dyes and Extended π -Conjugated Systems, A. Ajayaghosh, S. J. George and A. P. H. J. Schenning, Top. Curr. Chem. 2005, 258 (Ed. Frank Würthner)).
2. Supramolecular Materials for Opto- Electronics, A. Jain, K. V. Rao, S. J. George, RSC Smart Materials Series, 2014 (Ed: Norbert Koch)
3. Advances in the Chemistry and Physics of Materials, S. J. George, C. Narayana, C N R Rao), World Scientific, 2019.
4. Towards Precision and Adaptive Supramolecular Materials, S. Dhiman, S. J. George in Advances in the Chemistry and Physics of Materials, (Ed.: S. J. George, C. Narayana, C N R Rao), World Scientific, 2019, 123–147. (Book chapter).
5. Emerging Supramolecular Strategies towards Energy Materials, S. Ghosh, S. N Ansari, S. J. George in Energy Materials (Ed.: M. Eswaramoorthy, S. J. George, A. Sudaresan, C N R Rao), world Scientific, 2023, 343-372.

List of top 15 important publications in last five years

1. Controlled Supramolecular Polymerization via Bio-inspired, LiquidLiquid Phase Separation of Monomers. S. Patra, S. Chandrabhas, S. Dhiman, S. J. George* *J. Am. Chem. Soc.* **2024**. (minor revision)
2. Controlled Noncovalent Synthesis of Secondary Supramolecular Polymers. S. Sarkar, R. Laishram, D. Deb, S. J. George* *J. Am. Chem. Soc.* **2023**, *145*, 22009–22018.
3. Chiroptical Amplification of Induced Circularly Polarized Luminescence in Nucleotide-Templated Supramolecular Polymer A. Das, S. Ghosh, S. J. George* *Angew. Chem. Int. Ed.* **2023**, *62*, e2023082.
4. Anion- π Induced Room Temperature Phosphorescence from Emissive Charge-transfer States. S. Garain, S. M. Wagalgave, A. A. Kongasseri, B. C. Garain, S. N. Ansari, G. Sardar, D. Kabra, S. K. Pati, S. J. George* *J. Am. Chem. Soc.* **2022**, *144*, 10854–10861.

5. Chiral Arylene Diimide Phosphors: Circularly Polarized Ambient Phosphorescence from Bischromophoric Pyromellitic Diimides. S. Garain, S. Sarkar, B. C. Garain, S. K. Pati, S. J. George* *Angew. Chem. Int. Ed.* **2022**, *61*, e2021157.
6. Stereoselective primary and secondary nucleation events in multicomponent seeded supramolecular polymerization. S. Sarkar, A. Sarkar, A. Som, S.S. Agasti, S.J. George* *J. Am. Chem. Soc.* **2021**, *143*, 30, 11777–11787.
7. Light-Harvesting Supramolecular Phosphors: Highly Efficient Room Temperature Phosphorescence in Solution and Hydrogels. S. Garain, B.C. Garain, M. Eswaramoorthy, S.K. Pati, S.J. George* *Angew. Chem. Int. Ed.* **2021**, *60*, 19720–19724.
8. Arylene diimide phosphors: aggregation modulated twin room temperature phosphorescence from pyromellitic diimides. S. Garain, S. Kuila, B.C. Garain, M. Kataria, A. Borah, S. K. Pati, S. J. George* *Angew. Chem. Int. Ed.* **2021**, *60*, 12323 – 12327.
9. Tricomponent Supramolecular Multiblock Copolymers with Tunable Composition via Sequential Seeded Growth. A. Sarkar, R. Sasmal, A. Das, A. Venugopal, S. S. Agasti, S. J. George* *Angew. Chem. Int. Ed.* **2021**, *60*, 18209– 18216
10. Stereoselective Seed-Induced Living Supramolecular Polymerization S. Sarkar, A. Sarkar, S. J. George* *Angew. Chem. Int. Ed.* **2020**, *59*, 19841 – 19845.
11. Transient Dormant Monomer States for Monodisperse Supramolecular Polymers K. Jalani, A. D. Das, R. Sasmal, S. S. Agasti, S. J. George* *Nature Commun.*, **2020**, *11*, 1-9.
12. Cooperative Supramolecular Block Copolymerization for the Synthesis of Functional Axial Organic Heterostructures. A. Sarkar, T. Behera, R. Sasmal, R. Capelli, C. Empereur-mot, D. Bochicchio, J. Mahato, S. S. Agasti, G. M. Pavan, A. Chowdhury, S. J. George* *J. Am. Chem. Soc.*, **2020**, *142*, 11528–11539.
13. Self-Sorted, Random, and Block Supramolecular Copolymers via Sequence Controlled, Multicomponent Self-Assembly. A. Sarkar, R. Sasmal, C. Empereur-mot, D. Bochicchio, S. V. K. Kompella, K. Sharma, S. Dhiman, S. Balasubramanian, S. S. Agasti, G. M. Pavan, S. J. George* *J. Am. Chem. Soc.* **2020**, *142*, 7606-7617.
14. Phosphorescence Energy Transfer: Ambient Afterglow Fluorescence from Water-processable and Purely Organic Dyes via Delayed Sensitization. S. Kuila, S. J. George* *Angew. Chem. Int. Ed.*, **2020**, *59*, 1-6.
15. Chemical Fuel-driven Living and Transient Supramolecular Polymerization. A. Jain, S. Dhiman, A. Dhayani, P. K. Vemula, S. J. George* *Nature Commun.*, **2019**, *10*, 450.

Complete list of research publications including those accepted

S. No.	Title of the paper	Names of all the authors as they appear in each paper	Name of the journal, volume, year and page
1.	Controlled Supramolecular Polymerization via Bio-inspired, Liquid-Liquid Phase Separation of Monomers.	S. Patra, S. Chandrabhas, S. Dhiman, S. J. George*	<i>J. Am. Chem. Soc.</i> 2024 . (minor revision)
2.	Controlled Noncovalent Synthesis of Secondary Supramolecular Polymers	S. Sarkar, R. Laishram, D. Deb, S. J. George*	<i>J. Am. Chem. Soc.</i> 2023 , <i>145</i> , 22009–22018.
3.	Chiroptical Amplification of Induced Circularly Polarized Luminescence in Nucleotide-Templated Supramolecular Polymer	A. Das, S. Ghosh, S. J. George*	<i>Angew. Chem. Int. Ed.</i> 2023 , <i>62</i> , e2023082.
4.	Fabrication of High-Performance Visible-Blind Ultraviolet Photodetectors Using Electro-ionic Conducting Supramolecular Nanofibers	S. Kundu, S. J. George, G. U. Kulkarni*	<i>ACS Appl. Mater. Interfaces</i> 2023 , <i>15</i> , 19270–19278.
5.	Unleashing Ambient Triplet Harvesting Pathways in Arylene Diimides via Modular, Noncovalent Charge Transfer Interactions	A. A. Kongasseri, S. Garain, S. N. Ansari, B. C. Garain, S. M. Wagalgave, U. Singh, S. K. Pati, S. J. George*	<i>Chem. Mater.</i> 2023 , <i>35</i> , 7781–7788.
6.	Photonic Structure Induced Enhancement in the Triplet State Dynamics of Organic Phosphors at Room Temperature	S. S. Behera, A. Ghorai, S. Garain, R. V. Nair, S. J. George, K S Narayan*	<i>Adv. Optical Mater.</i> 2023 , 2300931.
7.	Temporally programmed switching of functional states in polyaniline film	K. P. Sonu, S. Dhiman, A. Garg, D. Selvakumar, S. J. George, M. Eswaramoorthy*	<i>APL Mater.</i> 2023 , <i>11</i> , 031111.
8.	Revisiting organic charge-transfer cocrystals for wide-range tunable, ambient phosphorescence	A. A. Kongasseri, S. N. Ansari, S. Garain, S. M Wagalgave, S. J. George*	<i>Chem. Sci.</i> , 2023 , <i>14</i> , 12548-12553.
9.	Emulating Ebbinghaus forgetting behavior in a neuromorphic device based on 1D supramolecular nanofibres	T. S. Rao, S. Kundu, B. Bannur, S. J. George, G. U. Kulkarni*	<i>Nanoscale</i> , 2023 , <i>15</i> , 7450-7459.
10.	Room Temperature Charge-Transfer Phosphorescence from	S. Garain, S. N. Ansari, A. Kongasseri, B. C. Garain, S. K. Pati, S. J. George*	<i>Chem. Sci.</i> 2022 , <i>13</i> , 10011–10019.

	Organic Donor-Acceptor Co-Crystals		
11.	Secondary Nucleation Triggered Physical Crosslinks and Tunable Stiffness in Seeded Supramolecular Hydrogels	R. Laishram, S. Sarkar, I. Seth, N. Khatun, V. K. Aswal, U. Maitra*, S. J. George*	<i>J. Am. Chem. Soc.</i> 2022 , <i>144</i> , 11306–11315
12.	Anion- π Induced Room Temperature Phosphorescence from Emissive Charge-transfer States	S. Garain, S. M. Wagalgave, A. A. Kongasseri, B. C. Garain, S. N. Ansari, G. Sardar, D. Kabra, S. K. Pati, S. J. George*	<i>J. Am. Chem. Soc.</i> 2022 , <i>144</i> , 10854–10861
13.	Chiral Arylene Diimide Phosphors: Circularly Polarized Ambient Phosphorescence from Bischromophoric Pyromellitic Diimides.	S. Garain, S. Sarkar, B. C. Garain, S. K. Pati, S. J. George*	<i>Angew. Chem. Int. Ed.</i> 2022 , <i>61</i> , e2021157
14.	Stereoselective primary and secondary nucleation events in multicomponent seeded supramolecular polymerization	S. Sarkar, A. Sarkar, A. Som, S.S. Agasti, S.J. George*	<i>J. Am. Chem. Soc.</i> 2021 , <i>143</i> , 30, 11777–11787
15.	Light-Harvesting Supramolecular Phosphors: Highly Efficient Room Temperature Phosphorescence in Solution and Hydrogels	S. Garain, B.C. Garain, M. Eswaramoorthy, S.K. Pati, S.J. George*	<i>Angew. Chem. Int. Ed.</i> 2021 , <i>60</i> , 19720 –19724
16.	Arylene diimide phosphors: aggregation modulated twin room temperature phosphorescence from pyromellitic diimides	S. Garain, S. Kuila, B.C. Garain, M. Kataria, A. Borah, S. K. Pati, S. J. George*	<i>Angew. Chem. Int. Ed.</i> 2021 , <i>60</i> , 12323 – 12327.
17.	ATP-driven synthetic supramolecular assemblies: from ATP as a template to fuel	A. Mishra, S. Dhiman, S. J. George*	<i>Angew. Chem. Int. Ed.</i> 2021 , <i>60</i> , 2740– 2756
18.	Ambient, Tunable Room Temperature Phosphorescence from a Simple Phthalimide Phosphor in Amorphous Polymeric Matrix and in Crystalline State	S. Garain, A. K. Singh, S. C. Peter, S. J. George*	<i>Materials Research Bulletin</i> 2021 , <i>142</i> , 111420.
19.	Parts per billion sensitive, highly selective ambient operable, ammonia sensor with supramolecular nanofibres as active element	S. Kundu, S. J. George, G. U. Kulkarni*	<i>Sens. Actuators B: Chem.</i> , 2021 , <i>347</i> , 130634.
20.	Ambient Room Temperature Phosphorescence and Thermally Activated Delayed Fluorescence	S. Kuila, S. Garain, G. Banappanavar, B. C.	<i>J. Phys. Chem. B.</i> 2021 , <i>125</i> , 4520–4526.

	from a Core-Substituted Pyromellitic Diimide Derivative	Garain, D. Kabra, S. K. Pati, S. J. George*	
21.	Multiscale Molecular Modelling of ATP-Fueled Supramolecular Polymerisation and Depolymerisation	C. Perego, L. Pesce, R. Capelli, S. J. George, G. M. Pavan*	<i>Chem. Sys. Chem.</i> 2021 , 3 (2), e2000038
22.	Active Bicomponent Nanoparticle Assembly with Temporal, Microstructural, and Functional Control	S. Dhiman, A. Singh, S. J. George*	<i>Chem. Eur. J.</i> 2021 , 27 (2), 705-711
23.	Tricomponent Supramolecular Multiblock Copolymers with Tunable Composition via Sequential Seeded Growth	A. Sarkar, R. Sasmal, A. Das, A. Venugopal, S. S. Agasti, S. J. George*	<i>Angew. Chem. Int. Ed.</i> 2021 , 60, 18209– 18216
24.	Naphthalene diimides: perspectives and promise	S. V. Bhosale*, M. Al Kobaisi, R. W. Jadhav, P. P. Morajkar, L. A. Jones, S. J. George	<i>Chem. Soc. Rev.</i> , 2021 , 50, 9845-9998
25.	Kinetically controlled synthesis of supramolecular block copolymers with narrow dispersity and tunable block lengths	A. Sarkar, R. Sasmal, A. Das, S. S. Agasti, S. J. George*	<i>Chem. Commun.</i> 2021 , 57 (32), 3937-3940.
26.	Room temperature phosphorescence from heavy atom free benzophenone boronic ester derivatives	S. Garain, S. Kuila, A. Sinhababu, S. J. George*	<i>Bulletin of Materials Science</i> , 2020 , 43 (1), 1-5
27.	Stereoselective Seed-Induced Living Supramolecular Polymerization	S. Sarkar, A. Sarkar, S. J. George*	<i>Angew. Chem. Int. Ed.</i> 2020 , 59, 19841 – 19845
28.	All-Organic, Temporally Pure White Afterglow in Amorphous Films Using Complementary Blue and Greenish-Yellow Ultralong Room Temperature Phosphors	S. Kuila, S. Garain, S. Bandi, S. J. George*	<i>Adv. Funct. Mater.</i> 2020 , 30, 2003693
29.	Circularly Polarized Luminescence from Bischromophoric Cyanostilbene-Derived Homochiral Nanostructures in Solution	S. Sarkar, B. Narayan, S. J. George*	<i>Chem. Nano. Mat.</i> 2020 , 6 (8), 1169-1174
30.	Cooperative supramolecular block copolymerization for the synthesis of functional axial organic heterostructures.	A. Sarkar, T. Behera, R. Sasmal, R. Capelli, C. Empereur-mot, J. Mahato, S. S. Agasti*, G. M. Pavan*, A. Chowdhury*, S. J. George*	<i>J. Am. Chem. Soc.</i> 2020 , 142, 11528–11539.

31.	Self-Sorted, Random, and Block Supramolecular Copolymers via Sequence Controlled, Multicomponent Self-Assembly.	A. Sarkar, R. Sasmal, C. Empereur-mot, D. Bochicchio, S. V. K. Kompella, K. Sharma, S. Dhiman, B. Sundaram*, S. S. Agasti*, G. M. Pavan*, S. J. George*	<i>J. Am. Chem. Soc.</i> 2020 , <i>142</i> , 7606–7617.
32.	Controlled synthesis of organic two-dimensional nanostructures via reaction-driven, cooperative supramolecular polymerization	S. Dhiman, R. Ghosh, S. Sarkar, S. J. George*	<i>Chem. Sci.</i> 2020 , <i>11</i> , 12701-12709.
33.	Electric field assisted assembly of 1D supramolecular nanofibres for enhanced supercapacitive performance	S. Kundu, S. J. George, G. U. Kulkarni*	<i>J. Mater. Chem. A</i> , 2020 , <i>8</i> , 13106-13113
34.	Transient Dormant Monomer States for Monodisperse Supramolecular Polymers	K. Jalani, A. D. Das, R. Sasmal, S. S. Agasti, S. J. George*	<i>Nature Commun.</i> 2020 , <i>11</i> (1), 1-9
35.	Phosphorescence Energy Transfer: Ambient Afterglow Fluorescence from Water-processable and Purely Organic Dyes via Delayed Sensitization	S. Kuila, S. J. George*	<i>Angew. Chem. Int. Ed.</i> 2020 , <i>59</i> , 9393 – 9397.
36.	Impact of NDI-Core Substitution on the pH-Responsive Nature of Peptide-Tethered Luminescent Supramolecular Polymers	A. Sarkar, J. Kölsch, C. M. Berač, A. Venugopal, R. Sasmal, R. Otter, P. Besenius*, S. J. George*	<i>ChemistryOpen</i> 2020 , <i>9</i> (3), 346-350
37.	Bioinspired, ATP-driven Co-operative Supramolecular Polymerization and its Pathway Dependence	A. Mishra, D. Korlepara, S. Balasubramanian, S. J. George*	<i>Chem. Commun.</i> , 2020 , <i>56</i> , 1505-1508
38.	Redox-Mediated, Transient Supramolecular Charge-Transfer Gel, and Ink	S. Dhiman, K. Jalani, S. J. George*	<i>ACS Appl. Mater. Interfaces</i> 2020 , <i>12</i> , 5259-5264. (Young Investigator Forum)
39.	Aqueous Phase and Amorphous State Room Temperature Phosphorescence from a Small Aromatic Carbonyl Derivative	S. Kuila, S. Garain, M. Eswaramoorthy*, S. J. George*	<i>Mater. Res. Exp.</i> 2019 , <i>6</i> , 124003.
40.	Red-Emitting Delayed Fluorescence and Room Temperature Phosphorescence from Core-Substituted Naphthalene Diimides	S. Kuila, A. Ghorai, P. K. Samanta, R. B. K. Siram, S. K. Pati, K. S. Narayan, S. J. George*	<i>Chem. Eur. J.</i> 2019 , <i>25</i> , 16007-16011

41.	Redox-Mediated Transient Reconfiguration of Supramolecular Assembly	S. Dhiman, R. Ghosh, S. J. George*	<i>ChemSystemsChem</i> , 2019 , 1, e1900042. (Fuelled Self-assembly)
42.	Nanoscale Engineering of Graphene-Viologen Based 3D Covalent Organic Polymer Interfaces Leading to Efficient Charge-Transfer for Pseudocapacitive Energy Storage	D. K Singh, S. Chakraborty, S. Dhiman, S. Sampath, S. J. George, M. Eswaramoorthy*	<i>ChemistrySelect</i> , 2019 , 4, 8089-8094.
43.	Planar Supercapacitor Made of Supramolecular Nanofibre Based Solid Electrolyte Exhibiting 8 V Window	S. Kundu, U. Mogera, S. J. George, G. U. Kulkarni*	<i>Nano Energy</i> , 2019 , 61, 259-266.
44.	Chemical fuel-driven living and transient supramolecular polymerization	A. Jain, S. Dhiman, A. Dhayani, P. K. Vemula*, S. J. George*	<i>Nature Commun.</i> 2019 , 10, 450.
45.	Bio-inspired Temporal Regulation of Ion-Transport in Nanochannels	K. P. Sonu, S. Vinikumar, S. Dhiman, S. J. George*, M. Eswaramoorthy*	<i>Nanoscale Adv.</i> , 2019 , 1, 1847-1852.
46.	Formation of Two-Dimensional Network of Organic Charge-Transfer Complexes at the Air–Water Interface	A. Bhattacharyya, M. K. Sanyal*, U. Mogera, S. J. George, S. Dhiman, G. U. Kulkarni, P. Fontaine	<i>Langmuir</i> , 2019 , 35, 12630-12635
47.	Supramolecularly Bonded Layered Heterostructures Exhibiting HER Activity	M. Kaur, N. K. Singh, U. Gupta, A. Sarkar, S. J. George*, C. N. R. Rao*	<i>Chem. Asian J.</i> 2019 , 14, 1523 – 1529.
48.	Biomimetic temporal self-assembly via fuel-driven controlled supramolecular polymerization	A. Mishra, D. B. Korlepara, M. Kumar, A. Jain, N. Jonnalagadda, K. K. Bejagam, S. Balasubramanian*, S. J. George*	<i>Nature Commun.</i> 2018 , 9, 1295.
49.	Aqueous Phase Phosphorescence: Ambient Triplet Harvesting of Purely Organic Phosphors via Supramolecular Scaffolding	S. Kuila, K. V. Rao, S. Garain, P. K. Samanta, S. Das, S. K. Pati, M. Eswaramoorthy, S. J. George*	<i>Angew. Chem. Int. Ed.</i> 2018 , 57, 17115-17119.
50.	Supramolecular Hybrids of MoS ₂ and Graphene Nanosheets with Organic Chromophores for Optoelectronic Applications	M. Kaur, N. K. Singh, A. Sarkar, S. J. George*, C. N. R. Rao*	<i>ACS Appl. Nano Mater.</i> 2018 , 1, 5101-5107.
51.	Supramolecular Nanostructures	D. J. Adams*, S. J. George*	<i>ChemNanoMat</i> , 2018 , 4, 708-709.

52.	Supramolecular Switching of Ion-Transport in Nanochannels	B. V. V. S. P. Kumar, K. P. Sonu, K. V. Rao, S. Sampath, S. J. George*, M. Eswaramoorthy*	<i>ACS Appl. Mater. Interfaces</i> , 2018 , 10, 23458–23465.
53.	Bioinspired Temporal Supramolecular Polymerization	S. Dhiman, A. Sarkar, S. J. George*	<i>RSC Advances</i> 2018 , 8, 18913-18925.
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