

CURRICULUM VITAE

Dr. Shanmugaraju Sankarasekaran M. Sc, Ph.D.

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Google Scholar: <http://scholar.google.com/citations?user=kcNzUxQAAAAJ>

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ACADEMIC QUALIFICATIONS

- ❖ **August 2007–March 2013, Ph.D.** in Inorganic Chemistry (*Awarded Prof. S. Soundararajan Gold Medal for the Best Ph.D. Thesis*), Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore, India.
- ❖ **August 2007–December 2007**, Research Training Programme, Indian Institute of Science, Bangalore with CGPA 6.3 out of 8.0.
- ❖ **2005–2007, M.Sc.** in Chemistry with First Class (68.2%), The American College, Madurai, India.
- ❖ **2002–2005, B.Sc.** in Chemistry (spl) with First Class (68.3%), The American College, Madurai, India.
- ❖ **HSC (2002)** in Science with Distinction (81.9%), Ayira Vaisya Higher Secondary School, Paramakudi, Tamil Nadu, India.
- ❖ **SSLC (2000)** with Distinction (82.8%), Government High School, Kamankottai, Ramanathapuram, Tamil Nadu, India.

EXPERIENCES

- ❖ **October 2018–Ongoing**, Assistant professor in Chemistry, Indian Institute of Technology, Palakkad, Kerala.
- ❖ **November 2015–September 2018**, Senior Postdoctoral Fellow, Trinity Biomedical Sciences Institute (TBSI), Trinity College Dublin, Ireland.

Research Mentor: **Prof. Thorfinnur Gunnlaugsson**

Project Title: “Tröger’s base Derived Supramolecular Functional Materials: From Design to Their Potential Applications”

- ❖ **November 2013–November 2015**, Irish Research Council (IRC) Postdoctoral Fellow, Trinity Biomedical Sciences Institute (TBSI), Trinity College Dublin, Ireland.

Research Mentor: **Prof. Thorfinnur Gunnlaugsson**

Project Title: “Novel supramolecular metallamacrocycles and self-assembly polymers possessing shape selective 90° building blocks as luminescent hosts and sensors”

- ❖ **March 2013–November 2013**, Research Associate, Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore, India.

Research Mentor: **Prof. Partha Sarathi Mukherjee**

Project Title: “Design of Electron-rich Small Molecule Fluorescence Sensors for the Recognition of Nitroaromatics”

- ❖ **August 2007–March 2013**, Ph.D. Scholar, Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore, India.

Thesis Supervisor: **Prof. Partha Sarathi Mukherjee**

Dissertation Title: “Self-Assembly of Functional Supramolecular Architectures via Metal-Ligand Coordination”

- ❖ **February 2009–April 2009**, Indo-Swiss Joint Research Programme (ISJRP) Fellow, Institute of Inorganic Chemistry, University of Neuchatel, Switzerland.

Project Mentor: **Dr. Bruno Therrien**

Project Title: “Heterometallic Anticancer Drugs”

AWARDS/FELLOWSHIPS/RECOGNITION

- ❖ **June 2018**, Awarded Enterprise Ireland-H2020 Coordinator Support Grant.
- ❖ **July 2017**, Recognized as an Outstanding Reviewer for the Journal of Sensor & Actuator: B. Chemical (Elsevier).
- ❖ **July 2015**, honored with the **Best Poster Prize** in Catalysis and Sensing for our Environment Symposium (CASE-2015) held at Trinity College Dublin, Ireland.
- ❖ **March 2014**, Prof. S. Soundararajan **Gold Medal for the Best Ph.D. Thesis** in Inorganic Chemistry for the year 2012–2013 from Indian Institute of Science, Bangalore, India.
- ❖ **October 2013**, Selected for **Newton International Fellowship—2013** to work at School of Chemistry, University of Edinburgh, United Kingdom.
<http://www.newtonfellowships.org/media/1006/2013-newton-international-fellows.pdf>
- ❖ **July 2013**, Awarded **Ireland Research Council (IRC) Postdoctoral Fellowship—2013** to work at Trinity College Dublin, University of Dublin, Ireland.
<http://www.research.ie/awards/government-ireland-postdoctoral-fellowships-2013>
- ❖ **July 2012–November 2013**, Awarded Institute Research Fellowship from Indian Institute of Science, Bangalore, India.

- ❖ **February 2011**, honored with the **Best Poster Award** by the Chemical Research Society of India (CRSI-13) held at NISER, Bhubaneswar, India.
- ❖ **February 2010**, honored with the **Best Poster Award** by the Chemical Research Society of India (CRSI-12) held at IICT, Hyderabad, India.
- ❖ **February 2009 – April 2009**, Indo-Swiss Joint Research Programme (ISJRP) Fellowship from Department of Science and Technology (DST), Government of India to visit Institute of Inorganic Chemistry, University of Neuchatel, Switzerland.
- ❖ **August 2009 – July 2012**, Senior Research Fellowship (SRF) from Council of Scientific and Industrial Research (CSIR), Government of India.
- ❖ **August 2007 – August 2009**, Junior Research Fellowship (JRF) from Council of Scientific and Industrial Research (CSIR), Government of India.
- ❖ **March 2007**, Qualified National Eligibility Test GATE'07 & CSIR-NET-07.

PROFESSIONAL ACTIVITIES

- ❖ **April 2015–December 2017**, Co-supervised two Erasmus exchange master students, five undergraduate projects and two post graduate student at School of Chemistry (TBSI), Trinity College Dublin, Dublin-2, Ireland.
- ❖ **August 2009–November 2013**, Co-supervised twelve summer students, one M.Sc. project student and one project assistant at the department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore.
- ❖ **February 16th, 2010**, Organizer of “*Recent Trends in Chemistry (RTC-V) Symposium*” hosted at the department of chemistry, The American College, Madurai.
- ❖ **August 2009–August 2010**, Secretary of “*Al(l) Chemist Club*” in the department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore.
- ❖ **June 2006–April 2007**, Secretary of “*Chemistry Association*” in the post-graduate department of chemistry, The American College, Madurai.

JOURNAL ACTIVITIES

- ❖ **January 2014–Present**, Recognized reviewer for peer reviewed international journals: Inorganic Chemistry (ACS), Sensors and Actuators B: Chemical (Elsevier), Spectrochimica Acta Part A (Elsevier), Journal of Hazardous Materials (Elsevier), Defence Technology (Elsevier) and Biosensor (MDPI).

FUNDING RECEIVED

- ❖ **April 2018**, Enterprise Ireland-H2020 Coordinator Grant to Support for the European Research Council Application Preparation.

Title: “*Engineering Adaptive Functional Nanostructures and Mesoporous Polymers for their Application in Biomedicine to Environmental Remediation*”

Project Value: € 15,033 (9 Months); Project ID: CS20182074; Role: PI

- ❖ **October 2013**, Newton International Postdoctoral Fellowship from The Royal Society of Chemistry, UK.
Title: *“Self-assembled Luminescent Coordination Capsule and Study of their Optoelectronic Properties”*
 Project Value: £ 66,000 (2 Years); Project ID: NF130816; Role: Co-PI
- ❖ **July 2013**, Irish Research Council (IRC) International Postdoctoral Fellowship from The Government of Ireland.
Title: *“Novel supramolecular metallamacrocycles and self-assembly polymers possessing ‘shape selective’ 90° building blocks as luminescent hosts and sensors”*
 Project Value: € 86,790 (2 Years); Project ID: GOIPD/2013/442; Role: Co-PI
- ❖ **February 2009**, Indo Swiss Joint Research Programme (ISJRP) Research Fellowship from Swiss National Research Foundation (SNSF), Switzerland.
Title: *“Heterometallic Anticancer Drugs”*
 Project Value: CHF 10,000 (2 Months); Project ID: RF03; Role: Co-PI

PAPERS PRESENTED AT NATIONAL/INTERNATIONAL CONFERENCES

- ❖ **Shanmugaraju. S.**, Umadevi D, Savyasachi. A. J, Byrne. K, Schmitt. W, and Gunnlaugsson. T. Presented a poster in Supramolecular Chemistry Ireland Symposium held at Maynooth University, Ireland on June 28th 2017.
Title: *“Reversible Adsorption of Secondary Chemical Explosives from Water Using Tröger’s base Covalent Organic Polymer”*
- ❖ **Shanmugaraju. S.**, Dabadie. C, Byrne. K, Savyasachi. A. J, Schmitt. W, and Gunnlaugsson. T. Presented a poster in Recent Advances in Synthesis and Chemical Biology (CSCB) held at Trinity College Dublin, Ireland on December 2016.
Title: *“Tröger’s base Functionalized Luminescent Nanoscale Zn(II) Coordination Polymer for Discriminative Detection of Picric Acid in Water”*
- ❖ **Shanmugaraju. S.**; Savyasachi, A. J.; Bright, S. A.; Byrne, K.; Umadevi, D.; Schmitt, W.; Williams, D. C.; Gunnlaugsson. T. Presented a poster in Catalysis and Sensing for our Environment Symposium (CASE) held at Trinity College Dublin, Ireland on July 2015. **(Awarded the Best Poster Prize)**
Title: *“Supramolecular Self-Assembly Formation of Pd(II) Hollow Microspheres for Biomedical Imaging”*
- ❖ **Shanmugaraju. S.**; Savyasachi, A. J.; Bright, S. A.; Byrne, K.; Umadevi, D.; Schmitt, W.; Williams, D. C.; Gunnlaugsson. T. Presented a poster in Royal Society of Chemistry and Institute of Chemistry of Ireland Awards Symposium held at Queens University, Belfast, UK on May 2015.
Title: *“Supramolecular Self-Assembly Formation of Pd(II) Hollow Microspheres from A Bipyridyl-Naphthalimide Tröger’s Base and Its Biomedical Imaging Applications”*

- ❖ Roy, B.; **Shanmugaraju, S.**; Saha, R.; Mukherjee, P. S. Presented a poster in Indo-German Conference on Bio-inspired Chemistry (IGCBIC-2014) held at Indian Institute of Science, Bangalore, India on September 2014.
Title: “Coordination-Driven Self-Assembly of [2 + 2] Metallamacrocycles using a New Benzil-Based Semi-rigid Diplatinum (II) Acceptor”
- ❖ **Shanmugaraju, S.**; Mukherjee, P. S. Presented a poster in 6th International Meeting on Halogen Chemistry (HALCHEM VI) held at Indian Institute of Science, Bangalore, India on December 2012.
Title: “Construction of Functional Supramolecular Architectures Using Organometallic Pt–I Precursors and Their Molecular Recognition Study”
- ❖ **Shanmugaraju, S.**; Mukherjee, P. S. Presented a poster in 14th Chemical Research Society of India (CRSI) National Symposium in Chemistry held at NIIST, Trivandrum, India on February 2012.
Title: “Metal-Ligand Directed Self-Assembly of Discrete Supramolecular Architectures and Their Sensing Study”
- ❖ **Shanmugaraju, S.**; Mukherjee, P. S. Presented a poster in 3rd Asian Conference on Coordination Chemistry organized by IITK & IITD at India Habitat Center, New Delhi, India on October 2011.
Title: “Self-Assembly of Functional Supramolecular Architectures via Metal-Ligand Coordination and Their Sensing Study”
- ❖ **Shanmugaraju, S.**; Bar, A. K.; Mukherjee, P. S. Presented a poster in 13th Chemical Research Society of India (CRSI) National Symposium in Chemistry held at NISER, Bhubaneswar, India on February 2011. **(Awarded the Best Poster Prize)**
Title: “Self-Sorting of Discrete Supramolecular Architectures via Metal-Ligand Coordination and Their Molecular Recognition Study”
- ❖ **Shanmugaraju, S.**; Bar, A. K.; Mukherjee, P. S. Presented a poster in the National Symposium on Frontiers in Main Group and Organometallic Chemistry (NSFMOC) held at Indian Institute of Science, Bangalore, India on November 2010.
Title: “Construction of 2D/3D Supramolecular Architectures via Metal-Ligand Coordination and Their Molecular Recognition Study”
- ❖ Bar, A. K.; **Shanmugaraju, S.**; Mukherjee, P. S. Presented a poster in 12th Chemical Research Society of India (CRSI) National Symposium in Chemistry held at IICT, Hyderabad, India on February 2010. **(Awarded the Best Poster Prize)**
Title: “Discrete 2D/3D Supramolecular Self-Assemblies: Design and Synthesis via Coordination Driven Self-Sorting”

LIST OF PUBLICATIONS

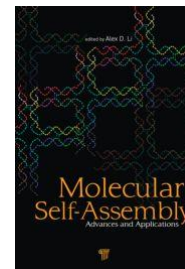
(* = Corresponding author)

Citation Data (as of October 2018 from Google Citation Scholar)

Total Citations: 1296; H-index = 19; i10-Index = 22

BOOK CHAPTER

- Contributed a book chapter on “Pt/Pd-Ethynyl Bond Containing Fluorescent Molecular Architectures as Sensors for Nitroaromatics” in the book entitled “*Molecular Self-Assembly: Advances and Application*” edited by Alex Li Dequan, Pan Stanford Publishing, CRC Press, Taylor and Francis (2012).
[\[http://www.crcpress.com/product/isbn/9789814316774\]](http://www.crcpress.com/product/isbn/9789814316774).
(Times Cited: 17)



JOURNAL PUBLICATIONS

1. **Shanmugaraju, S.**; Bar, A. K.; Chi, K.-W.; Mukherjee, P. S.* Coordination-Driven Self-Assembly of Metallamacrocycles *via* a New Pt^{II} Organometallic Building Block With 90° Geometry and Optical Sensing of Anions.
Organometallics **2010, 29, 2971–2980. (Impact Factor: 3.888, Times Cited: 88)**
2. **Shanmugaraju, S.**; Bar, A. K.; Mukherjee, P. S.* Ruthenium-Oxygen Coordination-Driven Self-Assembly of a Ru^{II} Incomplete Prism: Synthesis, Structure, and Shape-Selective Molecular Recognition Study.
Inorg. Chem., **2010, 49, 10235–10237. (Impact Factor: 4.325, Times Cited: 36)**
3. Bar, A. K.; **Shanmugaraju, S.**; Chi, K.-W.; Mukherjee, P. S.* Self-Assembly of Neutral and Cationic Pd^{II} Organometallic Molecular Rectangles: Synthesis, Characterization and Nitroaromatic Sensing.
Dalton Trans., **2011, 40, 2257–2267. (Impact Factor: 3.838, Times Cited: 53). (Invited article for a themed issue: New Talent from Asia).**
4. Wang, M.; Vajpayee, V.; **Shanmugaraju, S.**; Zheng, Y.-R.; Zhao, Z.; Kim, H.; Mukherjee, P. S.*; Chi, K.-W.; Stang, P. J.* Coordination-Driven Self-Assembly of M₃L₂ Trigonal Cages from Preorganized Metalloligands Incorporating Octahedral Metal Centers and Fluorescent Detection of Nitroaromatics.
Inorg. Chem., **2011, 50, 1506–1512. (Impact Factor: 4.601, Times Cited: 136)**
5. **Shanmugaraju, S.***; Joshi, S. A.; Mukherjee, P. S.* Fluorescence and Visual Sensing of Nitroaromatic Explosives Using Electron-rich Discrete Fluorophores.
J. Mater. Chem., **2011, 21, 9130–9138. (Impact Factor: 5.968, Times Cited: 155)**

6. **Shanmugaraju, S.**; Bar, A. K.; Joshi, S. A.; Patil, Y. P.; Mukherjee, P. S.* Constructions of 2D-Metallamacrocycles Using Half-Sandwich Ru^{II}₂ Precursors: Synthesis, Molecular Structures, and Self-Selection for a Single Linkage Isomer.
Organometallics 2011, 30, 1951–1960. (Impact Factor: 3.963, Times Cited: 43)
7. **Shanmugaraju, S.**; Samanta, D.; Gole, B.; Mukherjee, P. S.* Coordination-Driven Self-Assembly of 2D-Metallamacrocycles Using a Shape-Selective Pt^{II}₂-Organometallic 90° Acceptor: Design, Synthesis and Sensing Study.
Dalton Trans., 2011, 40, 12333–12341. (Impact Factor: 3.838, Times Cited: 20) (*Invited Article for a special issue on Molecular Self-Assembly*).
8. Gole, B.; **Shanmugaraju, S.**; Bar, A. K.; Mukherjee, P. S.* Supramolecular Polymer for Explosives Sensing: Role of H-Bonding in Enhancement of Sensitivity in the Solid State.
Chem. Commun., 2011, 47, 10046–10048. (Impact Factor: 6.169, Times Cited: 127)
9. **Shanmugaraju, S.**; Joshi, S. A.; Mukherjee, P. S.* Self-Assembly of Metallamacrocycles Using a Dinuclear Organometallic Acceptor: Synthesis, Characterization, and Sensing Study.
Inorg. Chem., 2011, 50, 11736–11745. (Impact Factor: 4.601, Times Cited: 74)
10. Samanta, D.; **Shanmugaraju, S.**; Joshi, S. A.; Patil, Y. P.; Nethaji M.; Mukherjee, P. S.* Pillar Height Dependent Formation of Unprecedented Pd₈ Molecular Swing and Pd₆ Molecular Boat *via* Multicomponent Self-Assembly.
Chem. Commun., 2011, 48, 2298–2300. (Impact Factor: 6.169, Times Cited: 37) (*One of the most accessed top 25 articles published in the month of January 2012*).
11. **Shanmugaraju, S.**; Samanta, D.; Mukherjee, P. S.* Self-assembly of Ru₄ and Ru₈ Assemblies *via* Coordination Using Organometallic Ru^{II}₂-Precursors: Synthesis, Characterization and Properties.
Beilstein J. Org. Chem., 2012, 8, 313–322. (Impact Factor: 2.517, Times Cited: 18) (*Invited Article for a special issue on supramolecular chemistry II*)
12. **Shanmugaraju, S.**; Vajpayee, V.; Lee, S.; Chi, K.-W*.; Stang, P. J*.; Mukherjee, P. S.* Coordination-Driven Self-Assembly of 2D-Metallamacrocycles Using a New Carbazole-Based Dipyridyl Donor: Synthesis, Characterization and C₆₀ Binding Study.
Inorg. Chem., 2012, 51, 4817–4823. (Impact Factor: 4.601, Times Cited: 35)
13. Anbu, S.; **Shanmugaraju, S.**; Kandaswamy, M.* Electrochemical, Phosphate Hydrolysis, DNA Binding and DNA Cleavage Properties of New Polyaza Macrobicyclic Dinickel(II) Complexes.
RSC Adv., 2012, 2, 5349–5357. (Impact Factor: 3.708, Times Cited: 24)

14. Anbu, S.; **Shanmugaraju, S.**; Ravishankaran, R.; Karande, A. A.; Mukherjee, P. S.* A Phenanthrene Based Highly Selective Fluorescence and Visual Sensor for Cu²⁺ ion With Nanomolar Detection Limit and Its Application in Live Cell Imaging.
Inorg. Chem. Commun., 2012, 25, 26–29. (Impact Factor: 1.972, Times Cited: 16)
15. Anbu, S.; **Shanmugaraju, S.**; Ravishankaran, R.; Karande, A. A.; Mukherjee, P. S.* Naphthalene Hydrazone Based Highly Selective and Sensitive Chemosensors for Cu²⁺ ion and Their Application in Bio-imaging and Cytotoxicity.
Dalton Trans., 2012, 41, 13330–13337. (Impact Factor: 3.838, Times Cited: 33). (one of the most accessed top 10 articles published in the month of September 2012).
16. **Shanmugaraju, S.**; Harshal, J.; Patil, Y. P.; Mukherjee, P. S.* Self-Assembly of a Pt^{II}₈ Tetragonal Prism from a New Pt^{II}₄ Organometallic Star-Shaped Acceptor and Its Nitroaromatic Explosives Sensing.
Inorg. Chem., 2012, 51, 13072–13074. (Impact Factor: 4.601, Times Cited: 52). (One of the most read articles published in the month of November 2012).
17. **Shanmugaraju, S.**; Bar, A. K.; Moon, D.; Mukherjee, P. S.* Coordination Self-Assembly of Tetranuclear Pt(II) Macrocycles with Organometallic Backbone for Sensing of Dicarboxylic Acids
Dalton Trans., 2013, 42, 2998-3008. (Impact Factor: 3.806, Times Cited: 15)
18. **Shanmugaraju, S.**; Jadhav, H.; Karthik, R.; Mukherjee, P. S.* Electron-Rich Supramolecular Polymers as Fluorescent Sensors for Nitroaromatic Explosives
RSC Advances 2013, 3, 4940–4950. (Impact Factor: 3.708, Times Cited: 46)
19. Samantha, D.; **Shanmugaraju, S.**; Adeyemo, A. A.; Mukherjee, P. S.* Self-Selection of Discrete Metallamacrocycles Employing Half-Sandwich Octahedral Ru^{II}₂ Acceptor and Imidazole-Based Donors
J. Organomet. Chem., 2014, 751, 703–710. (Impact Factor: 2.302, Times Cited: 7) (Invited Article for 50th Anniversary Special Issue).
20. **Shanmugaraju, S.**; Jadhav, H.; Mukherjee, P. S.* Self-Assembled Chloro-Bridged Arene-Ruthenium Based Molecular Rectangle: Synthesis, Structural Characterization and Sensing Study
Proc. Natl. Acad. Sci, India, Sect. A Phys. Sci. 2014, 84, 197–203. (Impact Factor: 0.179, Times Cited: 6) (Invited Article for a Special Issue on the occasion of the year of crystallography).
21. **Shanmugaraju, S.**; Mukherjee, P. S.* Self-Assembled Molecular Sensors for Nitroaromatics
Chem.–Eur. J., 2015, 21, 6656–6666. (Impact Factor: 5.696, Times Cited: 87). (Most accessed Article in 2/2015 and selected for ChemInform abstract 2015 by the editors).

22. Roy, B.; **Shanmugaraju, S.**; Saha, R.; Mukherjee, P. S.* Self-Assembly of Metallamacrocycles Employing a New Benzil Based Organometallic Bisplatinum (II) Acceptor
CHIMIA., 2015, 69, 541–546. (Impact Factor: 1.091, Times Cited: -) (*Invited Article for a special issue on supramolecular chemistry*).
23. **Shanmugaraju, S.**; Mukherjee, P. S.* π -Electron-rich Small Molecule Sensors for the Recognition of Nitroaromatics
Chem. Commun., 2015, 51, 16014–16032. (Impact Factor: 6.834, Times Cited: 95) (*Selected for ChemInform abstract 2015 by the editors*).
24. Adeyemo, A. A.; **Shanmugaraju, S.**; Samanta, D.; Mukherjee, P. S.* Template-Free Coordination-Driven Self-Selection of Discrete Hexanuclear Prismatic Cages Employing Half-Sandwich Octahedral Ru^{II} Acceptors and Triimidazole Donors
Inorg. Chem. Act., 2016, 440, 62–68. (Impact Factor: 2.046, Times Cited: 2)
25. **Shanmugaraju, S.***; Dabadie, C.; Byrne, K.; Savyasachi, A. J.; Umadevi, D.; Schmitt, W.; Kitchen, J. A.; Gunnlaugsson, T*. A Supramolecular Tröger's base Derived Coordination Zinc Polymer for Fluorescent Sensing of Phenolic-Nitroaromatic Explosives in Water
Chem. Sci., 2017, 8, 1535-1546. (Impact Factor: 9.144, Times Cited: 36) (*One of the most cited article in 2017 portfolio (No 7 out of 1000)*).
26. **Shanmugaraju, S.**; McAdams. D.; Pancotti. F.; Hawes. C. S.; Veale. E. B.; Kitchen. J. K.; Gunnlaugsson, T*. One-pot Facile Synthesis of 4-Amino-1,8-naphthalimide Derived Tröger's base Supramolecular Scaffolds via A Nucleophilic Displacement Approach
Org. Biomol. Chem., 2017, 15, 7321-7329. (Impact Factor: 3.564, Times Cited: 3)
27. Savyasachi, A. J.; Kotova, O.; **Shanmugaraju, S.**; Bradberry, S. J.; Maille, G. M.; Gunnlaugsson. T*. Supramolecular Chemistry: A Toolkit for Functional Materials and Organic Particles
Chem., 2017, 3, 764-811. (Impact Factor: Pending, Times Cited: 5)
28. **Shanmugaraju, S.***; Hawes. C. S.; Savyasachi, A. J.; Blasco. S.; Kitchen. J. K.; Gunnlaugsson, T*. Supramolecular coordination polymers using a close to 'V-shaped' fluorescent 4-amino-1,8-naphthalimide Tröger's base scaffold
Chem. Commun., 2017, 53, 12512-12515. (Impact Factor: 6.834, Times Cited:1). (*Invited Article for a special issue and published as Inside Front Cover Article*).
29. **Shanmugaraju, S.***; Umadevi, D.; Savyasachi, A. J.; Byrne, K.; Schmitt, W.; Watson, G. W.; Gunnlaugsson. T*. Reversible Adsorption and Storage of Secondary Explosives from Water using a Tröger's base-functionalised Polymer
J. Mater. Chem. A, 2017, 5, 25014-25024. (Impact Factor: 8.867, Times Cited:1).

30. **Shanmugaraju, S***; Poulsen, B.; Arisa, T.; Umadevi, D.; Dalton, H. L.; Hawes, C. S.; Savyasachi, A. J.; Watson, G. W.; Williams, D. C.; Gunnlaugsson, T*. Synthesis, Structural Characterization and Antiproliferative Activity of a New Fluorescent 4-Amino-1,8-Naphthalimide Tröger's base-Ru(II)-Curcumin Organometallic Conjugate *Chem. Commun.*, 2018, 54, 4120-4123. (**Impact Factor: 6.834, Times Cited:-**).