



**NAGARAJAN LOGANATHAN**  
**UGC – Assistant Professor**

### Contact

Address : Department of Chemistry  
Bharathidasan University  
Tiruchirappalli – 620 024  
Tamil Nadu, INDIA

Employee Number : UGC – 002

Date of Birth : 13-07-1981

Contact Phone (Office) : +91 431 2407053

Contact Phone (Mobile) : +91 9585016613

Contact e-mail(s) : [L.nagarajan@bdu.ac.in](mailto:L.nagarajan@bdu.ac.in) and nagagold13@gmail.com

Skype id : nagagold

**Academic Qualifications: M.Sc. Ph.D.**

**Teaching Experience: 04 Years**

**Research Experience: 15 Years**

### Additional Responsibilities

1. M.Sc Course Co-ordinator
2. Departmental NAAC Co-ordinator

## Areas of Research

Single Crystal X – ray Crystallography, Structural Chemistry of Transition metal Organometallic Compounds and their Applications

## Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	Ph.D.	00	07
	M.Phil.	04	01
Project	PG	13	07
	UG / Others	00	00

## Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
20	01	01	00	00

Cumulative Impact Factor (as per JCR) : 48.643  
 h-index : 08  
 i10 index : 08  
 Total Citations : 275

## Funded Research Projects

### Completed Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	UGC	2015	2017		6.0

## Ongoing Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	DST – SERB	2017	2020	DESIGN AND DEVELOPMENT OF ... APPLICATIONS	32.52
2					

## Distinctive Achievements / Awards

1. DST – SERB Early Career Research Award, for the project entitled “ Design and Development of ... Applications (2017-2010).
2. Post-Doctoral Fellowship, Crafoord and Karl - Trygger Foundation, Sweden (Apr.2009 – Apr.2012) Lund University, Sweden
3. Post -Doctoral Fellowship, South African National Research Foundation, (SA - NRF/THRIP), University of the Free State Materials and Nanoscience Research Cluster, South Africa (Jul. 2012 –Nov 2014)
4. Research grant of 50000 SEK, awarded for the research planning and development from Royal Swedish Academy Physiographic society, Lund, Sweden (2009-10)

## Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized: 03

1. Organizing committee member of IYCR 2014 Pan African and South African Summit jointly organized by International Union of Crystallography (IUCR), UNESCO, University of the Freestate, Department of Chemistry, South African Government’s Department of Science and Technology (DST) and European Crystallographic Association held in University of the Freestate Oct 12-17 2014
2. Deputy Coordinator for UGC Sponsored Refresher Course in Chemistry for College Teachers held in HRD centre, Bharathidasan University, Tiruchirappalli
3. Course Co-ordinator for GIAN Sponsored “Chemical Kinetics and Reaction Mechanism of Transition Metal Chemistry”, to be held in Bharathidasan University, Tiruchirappalli Jan 7-11 2019

## Events Participated

### Conferences / Seminars / Workshops: 15

1. As a resource person for “Short Term Course on Analytical Techniques”, on the topic entitled “Single Crystal X-ray Analysis an Overview” held in Annamalai University, Chidambaram, Dec 03 – 09 2018

2. Invited Lecture at First International symposium on "Main-group Molecules to Materials (MMM-2018), held in Indian Institute of Sciences, Bangalore, Oct 28-31, 2018.
3. As a resource person for One Day UGC funded International Seminar on "FRONTIERS IN LIFE AND CHEMICAL SCIENCES" on the topic entitled "Inorganic Elements in Biological System and Medicine" held in Vellalar College for Women, Erode 19<sup>th</sup> Sep 2018.
4. Participated and acted as a judge for the oral presentation in International Conference on Sustainable Energy Technologies (i-SET 2018) held in Bharathidasan University, Tiruchirappalli, Jun 27-28 2018
5. Participated in Academies Lecture Workshop on "Emerging Trends in Chemical Synthesis" held in Bharathidasan University, Tiruchirappalli, Mar 22-24 2018
6. As a resource person for UGC Sponsored One day Seminar on "METALLO BIOCHEMISTRY" on the topic of " The Fantastic World of Metallobiomolecules" held in Seethalakshmi Ramaswami College for Women, Tiruchirappalli, 25<sup>th</sup> Jan 2018
7. Participated in the "24<sup>th</sup> Congress and General Assembly of the International Union of Crystallography" from 21-28 August 2017 organized by University of Hyderabad and held in International Convention Centre Hyderabad.
8. Participated in DST-SERB Workshop on "Mentoring Ph.D Students and Young Faculty organized by Department of Chemistry, Bharathidasan University, Tiruchirappalli Feb 17-18 2017.
9. Participated in "National Workshop on Catalytic Organic Transformation (NWCOT-16), held in Bharathidasan University, Tiruchirappalli, Oct 20-21 2016
10. Participated and acted as a judge for the poster presentation in second National Conference on Nanophotonics (NCNP-2016) held in Bharathidasan University, Tiruchirappalli March 18-19 2016
11. Participated in "International Conference on Nanomaterials for Energy, Environment, Catalysis and Sensors (ICNEECS-15) held in Madurai Kamaraj University, 11-12 Dec 2015.
12. Participated in 10<sup>th</sup> Mid-year Chemical Research Society of India (CRSI) symposium in chemistry jointly organized by National Institute of Technology, Tiruchirappalli and Bharathidasan University, Tiruchirappalli Jul 23-25 2015
13. Presented a poster in 4<sup>th</sup> CHEMFEST, Symposium in chemistry, organized by Department of Chemistry, IIT Kanpur, India, Mar. 2008
14. Presented poster in Modern Trends in Inorganic Chemistry (MTIC-XII) a Biennial International Symposium in Inorganic Chemistry organized by Department of Chemistry, IIT Madras, India, Dec. 2007
15. Presented poster in 1<sup>st</sup> CHEMFEST, Symposium in chemistry, organized by Department of Chemistry, IIT Kanpur 2005

### **Other Training Programs**

1. UGC Sponsored Refresher Course in Chemistry held in Bharathiar University, Coimbatore, 4<sup>th</sup> July to 24<sup>th</sup> July 2018.
2. UGC Sponsored 101<sup>st</sup> Orientation Programme, held in Bharathidasan University Tiruchirappalli, 18<sup>th</sup> May 2018 to 14<sup>th</sup> Jun 2018

3. Faculty Development Programme on Enhancing Learning Outcomes Through Effective Teaching organized by Internal Quality Assurance Cell and UGC- HRD centre Bharathidasan University 28<sup>th</sup> Nov 2018.

### Overseas Exposure / Visits

1. Poster and Invited Flash Presentation in IYCR 2014 Pan African and South African Summit jointly organized by International Union of Crystallography (IUCR), UNESCO, University of the Freestate, Department of Chemistry, South African Government's Department of Science and Technology (DST) and European Crystallographic Association held in University of the Freestate Oct 12-17 2014
2. Invited Lecture in Young Crystallographer Meeting as a part of European Crystallographic Meeting (ECM 28) Aug 25 -29 2013; jointly organized by European Crystallographic Association and University of Warwick, United Kingdom
3. Presented a Poster in ECM 28 Aug 25-29, 2013 jointly organized by European Crystallographic Association and University of Warwick, United Kingdom
4. Invited Lecture in INORG 2013 conference 30th Jun - 4th Jul 2013, organized by University of Kwazulu - Natal, Durban, South Africa
5. Presented a Poster in INORG 2013 conference 30th Jun- 4th Jul 2013, organized by University of Kwazulu-Natal, Durban, South Africa
6. Delivered a talk in Department of Chemistry, University of the Free State, Bloemfontein, South Africa; Apr 2013
7. Delivered a talk in Centre for Analysis and Synthesis (CAS Unit), Lund University, Sweden. Mar 2011
8. Invited Lecture in CRYSTENG Meeting in Tallinn, August 26-29, 2009, organized by Department of Chemistry, University of Tallin, Estonia.
9. Delivered a talk in Centre for Analysis and Synthesis (CAS Unit), Lund University, Sweden. May. 2009

### Membership in

#### Professional Bodies

1. Member of European Crystallographic Association (ECA)
2. Member of South African Crystallographic Society (SACrS)
3. Member of South African Chemical Institute (SACI)
4. Member of Swedish Chemical Society, Lund, Sweden 2009 - 2012

#### Academic Bodies (such as Board of Studies etc.,)

1. Board of Studies, School of Chemistry, Bharathidasan University, 2017-18.

#### Others

1. Reviewer in Spectrochimica Acta, Sciencedirect
2. Reviewer in Journal of Molecular Structure, Sciencedirect.

## Resource persons in various capacities

Number of Invited / Special Lectures delivered: 12

## Others

1. Articles published in Newspapers / Magazines : 00
2. Products developed : 00
3. No. of PhD Thesis evaluated : 00
4. No. of PhD Public Viva Voce Examination conducted : 00
5. Sequences submitted in GenBank

\*\*Social Interests and Initiatives / Articles in News papers etc can also be included

## Recent Publications

1. Leandra Herbst, Hendrik G. Visser, Andreas Roodt, Maryke Steyn and **Nagarajan Loganathan** Crystal structure of (2-(benzoyl)phenolato- $\kappa^2O,O'$ )-*trans*-dichlorido - cis- bis(methoxido) niobium(V),  $C_{15}H_{15}Cl_2NbO_4$  *Z. Kristallogr. NCS*, **2015**, *230(4)*, 345-47. (IF: 0.250)
2. An efficient protocol for the exo-mono and exo, exo-bis functionalization of the diazocine ring of Troger base. Sami Dawaigher, Kristoffer Mansson, Erhad Ascic, Josep Artacho, Roger Martensson, **Nagarajan Loganathan**, Ola F. Wendt, Michael Harmata, Victor Sniekus and Kenneth Warnmark *J. Org. Chem.* **2015**, *80(24)*, 12006-14. (IF: 4.805)
3. Synthesis, molecular structure and chiroptical properties of dibenzylidene derivatives of bicyclo[3.3.1] nonane and brexane. Sigita Stoncius, Algirdas Neniskis, **Nagarajan Loganathan** and Ola F. Wendt. *Chirality*, **2015**, *27(10)*, 728-37. (1.833)
4. Cyclometallated gold(III) aryl-pyridine complexes as efficient catalysts for three-component synthesis of substituted oxazoles. von Wachenfeldt, Polukeev Alexey, **Loganathan Nagarajan**, Paulsen Filip, Röse Philipp, Garreau Marion, Ola Wendt, Daniel Strand *Dalton Trans.* **2015**, *44(12)*, 5347-53. (4.099), citation: 1
5. Crystal structure of (Z)-4,4,4-trifluoro-3-((2-hydroxyphenyl)amino)-1- (thiophen-2-yl)but-2-en-1-one,  $C_{14}H_{10}F_3NO_2S$ . Ramakirushnan Suriya Narayanan, **Nagarajan Loganathan** Andreas Roodt *Z. kristallogr. NCS* **2015**, *230(2)*, 77-78. (0.250)

6. Synthesis and Kinetics of Sterically Altered Photochromic Dithizonatomercury Complexes. Ernestine Alabaraoye, Karel G. von Eschwege **Nagarajan Loganathan** *J. Phy.Chem. A* **2014**, *118(46)*, 10894-901. (2.836)
7. Synthesis and Crystal Structure of an Anionic Linear Trinuclear Copper(II) Complex Containing 2-Thenoyltrifluoroacetato and Acetato Ligands **Loganathan Nagarajan**, Roodt Andreas *Chinese J. Struct Chem.(Jiegou Huaxue)* **2014**, *33(1)*, 19-26. (0.659)
8. Crystal structure of 2,3-dicyano-1,4-phenylene bis(trifluoromethanesulfonate), C<sub>10</sub>H<sub>2</sub>F<sub>6</sub>N<sub>2</sub>O<sub>6</sub>S<sub>2</sub> Johannes H. van Tonder, **Loganathan Nagarajan**, Mukut Gohain, Barend C. B. Bezuidenhoudt *Z. kristallogr. NCS* **2014**, *229(4)*, 357-58. (0.250)
9. Catalytic Three-Component Domino Reaction for the Preparation of Trisubstituted Oxazoles. Henrik v. Wachenfeldt, Philipp Röse, Filip Paulsen, **Nagarajan Loganathan**, Daniel Strand *Chem. Eur.-J.* **2013**, *19(24)*, 7982-88. (5.160)
10. 4-(2-Bromophenyl)-2-phenylpyrano[3,2-*c*]chromen-5(4*H*)-one. Mukut Gohain, **Loganathan Nagarajan**, Barend C. B. Bezuidenhoudt, Andreas Roodt *Acta Cryst.* **2012**, *E68(12)*, o3279
11. 2,5-dihexylthiophene 1,1 - dioxide, Johannes van Tonder, Mukut Gohain, **Loganathan Nagarajan**, Barend C. B. Bezuidenhoudt *Acta Cryst.* **2012**, *E68(12)*, o3437
12. Structural and spectroscopic characterization of tetranuclear iron complexes containing a P<sub>2</sub><sup>R</sup>N<sub>2</sub><sup>Ph</sup> bridge. Michael Karnahl, Andreas Orthaber, Stefani Tschierlei, **Loganathan Nagarajan**, Sascha Ott, *J. Coord. Chem.* **2012**, *65(15)*, 2713-23. (1.703)
13. Multicomponent Assembly of Anionic and Neutral Decanuclear Copper(II) Phosphonate Cages Vadapalli Chandrasekhar, **Loganathan Nagarajan**, Sakiat Hussain, Kandasamy Gopal, Surajit Ghosh and Sandeep Verma *Inorg. Chem.* **2012**, *51(10)*, 5605-16. (4.700)
14. Carboxylation of Pincer PCP Platinum Methoxide Complexes Under formation of Metalla Carbonates. Athimoolam Arunachalampillai, **Nagarajan Loganathan**, Ola F Wendt *Polyhedron*, **2012**, *32(1)*, 24-29. (2.067)