

# National Institute of Technology, Tiruchirappalli: Performa for CV of Faculty/ Staff Members

## Curriculum Vitae



Brief Profile: 1-2 paragraphs

Dr. Arivazhagan Chinnappa received his B. Sc. degree from Periyar E. V. R. College, Bharathidasan University, Trichy in 2010 and M. Sc. degree from Madurai Kamaraj University, Madurai in 2012 and Ph. D. from the Indian Institute of Technology Madras (IITM), India in 2017 under the guidance of Prof. Sundargopal Ghosh. After his thesis submission within 4.5 years, he got a fellowship equivalent to institute post-doctoral fellow for six months at IIT Madras. He was in abroad (May 2018 to Jan 2020) as a post-doctoral research fellow working Prof. Zhong-Ning Chen and Prof. Feng-Rong Dai in the area of supramolecular coordination cages and its applications. Later, he joined as a temporary faculty in the department of chemistry, National Institute of Technology Tiruchirappalli, in August 2021 for one year then as an Ad-hoc faculty at National Institute of Technology Andhra Pradesh in August 2022 for one month. In September 2022, he joined as an Assistant Professor (Grade II, AGP 6000) in the department of chemistry at National Institute of Technology Tiruchirappalli. His research area is on the design and synthesis of main-group element containing multi-stimuli responsive materials, organic light-emitting diodes and coordination cages and its applications.

1. Name: **Dr. Arivazhagan. C**
2. Designation: Assistant Professor
3. Office Address: 119, OJAS Building, Department of Chemistry, NITT
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Mobile (Optional): +91 80566 72406
5. Email (Primary): [arivazhagan@nitt.edu](mailto:arivazhagan@nitt.edu) Email (Secondary): [organicarivu@gmail.com](mailto:organicarivu@gmail.com)
6. Field(s) of Specialization: Multi-Stimuli Responsive Inorganic and Organic Hybrid Materials, Main Group Containing Fluorescent Polymers, Organic Light Emitting Diodes, Coordination Cages
7. Employment Profile

Job Title	Employer	From	To
Assistant Professor (Grade II, AGP – 6000)	NIT Tiruchirappalli	September 28, 2022	Till Date
Ad-hoc Faculty	NIT Andhra Pradesh	August 18, 2022	September 26, 2022
Temporary Faculty	NIT Tiruchirappalli	August 13, 2021	July 31 2022

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Post-Doctoral Fellow	Fujian Institute of Research on the Structure of Matter, China	May 2018	January 2020
Institute Post-Doctoral Fellow	IIT Madras	June 2017	December 2017

### 8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Division/ Grade	Subjects
Ph. D.	IIT Madras, Chennai, India	2017	—	Chemistry
M. Sc.	Madurai Kamaraj University, Madurai, India	2012	First Class	Chemistry
B. Sc.	Bharathidasan University, Trichy, India	2010	First Class – Distinction with D+ Grade	Chemistry
HSC	Tamil Nadu State Board, India	2007	First Class	Tamil, English, Mathematics, Physics, Chemistry, Biology
SSLC	Tamil Nadu State Board, India	2005	First Class	Tamil, English, Mathematics, Science, Social Science

### 9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To

### 10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To

### 11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2019	China Postdoctoral International	Office of China Postdoc Council (OCPC)

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	Exchange Program	and Fujian Institute of Research on the Structure of Matter, China
2016	Best Poster Award, BORAM XV (Boron in the Americas 2016)	Queen's University, Kingston, Ontario, Canada
2013	CSIR-NET with JRF	CSIR, India
2012	Graduate Aptitude Test for Engineering (GATE)	IIT Delhi, India
2011	1st Prize in the Quiz	Gandhigram Rural Institute, Dindigul, India
2010	University 3rd Rank (B. Sc in Chemistry)	Bharathidasan University, India

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)
2018	Post-Doctoral Fellow	Fujian Institute of Research on the Structure of Matter, China	May 2018	January 2020
2017	Fellowship equivalent to Institute Post-Doctoral Fellow, IIT Madras	IIT Madras	June 2017	December 2017
2015	Senior Research Fellow	CSIR, India	April 2015	June 2017
2013	Junior Research Fellow	CSIR, India	April 2013	April 2015

13. Details of Academic Work

- i. Curriculum Development
- ii. Courses taught at Postgraduate and Undergraduate levels at NITT

**Undergraduate:**

1. B. Tech. Theory: CHIR 11 Chemistry
2. B. Tech. Laboratory: CHIR 12 Chemistry
3. B. Tech. Theory: CHMI11 Catalysis Science and Technology

**Postgraduate:**

1. M. Sc. Theory: CH622 Catalysis
- iii. Projects guided at Postgraduate level
- iv. Other contribution(s)

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed

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### 15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role (Supervisor/ Co-Supervisor)	Year of Award

### 16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue
August 17, 2016	Poly(Aryl Ether) Based Borogels: A New Class of Materials for Hosting Nanoparticles and Sensing Anions	Local, (CiHS - Chemistry in House Symposium)	Poster presenter	IIT Madras	Chennai
June 26-28, 2016	Poly(Aryl Ether) Based Borogels: A New Class of Materials for Hosting Nanoparticles and Sensing Anions	International, BORAM XV (Boron in the Americas 2016)	Poster presenter	Queen's University, Kingston, Ontario, Canada	Canada
December 3-5, 2015	Boron containing poly(aryl ether) dendron based supramolecular gel: In-situ silver nanoparticle formation	International, MTIC-XVI (Modern Trends in Inorganic Chemistry)	Poster presenter	Jadavpur University	Kolkata

### 17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue

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18. Invited Talks delivered

Topic	Date	Inviting Organization

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member )	Organization	Membership No. with date

20. Academic Foreign Visits

Country	Duration of Visit	Programme

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
S. Gomosta, R. Ramalakshmi, C. Arivazhagan, A. Haridas, B. Raghavendra, K. Maheswari, T.	Synthesis, Structural Characterization, and Theoretical Studies of Silver(I) Complexes of Dihydrobis(2-mercapto-benzothiazolyl) Borate	<i>Z. Anorg. Allg. Chem.</i>	645	588–594	2019	1.414

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Roisnel and S. Ghosh						
K. Bakthavachalam, S. Dutta, C. Arivazhagan, B. Raghavendra, A. Haridas, S. S. Sen, D. Koley and S. Ghosh	Cyclometallation of a germylene ligand by concerted metalation–deprotonation of a methyl group	<i>Dalton Trans.</i>	47	15835–15844	2018	4.569
C. Arivazhagan, P. Malakar, R. Jagan, E. Prasad and S. Ghosh	Dimesitylboryl-functionalised cyanostilbene derivatives of phenothiazine: distinctive polymorphism-dependent emission and mechanofluorochromism	<i>CrystEngComm</i>	20	3162–3166	2018	3.756
C. Arivazhagan, S. Satapathy, A. Jana, P. Malakar, E. Prasad and S. Ghosh	Phenothiazine-Based Oligo(p-phenylenevinylene)s: Substituents Affected Self-Assembly, Optical Properties, and Morphology-Induced Transport	<i>Chem. – Eur. J.</i>	24	13213–13222	2018	5.020
C. Arivazhagan, A. Maity, K. Bakthavachalam, A. Jana, S. K. Panigrahi, E. Suresh, A. Das and S. Ghosh	Phenothiazinyl Boranes: A New Class of AIE Luminogens with Mega Stokes Shift, Mechanochromism, and Mechanoluminescence	<i>Chem. – Eur. J.</i>	23	7046–7051	2017	5.020
C. Arivazhagan, R. Borthakur, R. Jagan and S. Ghosh	Benzoinidolium–triarylborane conjugates: a ratiometric fluorescent chemodosimeter for the detection of cyanide ions in aqueous medium	<i>Dalton Trans.</i>	45	5014–5020	2016	4.569
P. Malakar, C. Arivazhagan, M. G. Chowdhury, S. Ghosh and E. Prasad	Poly(Aryl Ether) based Borogels: A New Class of Materials for Hosting Nanoparticles and Sensing Anions	<i>ChemistrySelect</i>	1	3086–3090	2016	2.307

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C. Arivazhagan, R. Borthakur and S. Ghosh	Ferrocene and Triazole- Appended Rhodamine Based Multisignaling Sensors for Hg <sup>2+</sup> and Their Application in Live Cell Imaging	<i>Organometallics</i>	34	1147– 1155	2015	3.837
K. Yuvaraj, D. K. Roy, C. Arivazhagan, B. Mondal and S. Ghosh	Chemistry of early and late transition metallaboranes: synthesis and structural characterization of periodinated dimolybdaborane [(Cp*Mo)2B4H3I5]	<i>Pure Appl. Chem.</i>	87	195– 204	2015	2.320
R. S. Anju, D. K. Roy, B. Mondal, K. Yuvaraj, C. Arivazhagan, K. Saha, B. Varghese and S. Ghosh	Reactivity of Diruthenium and Dirhodium Analogues of Pentaborane(9): Agostic versus Boratrane Complexes	<i>Angew. Chem. Int. Ed.</i>	53	2873– 2877	2014	16.823

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year

(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number
Arivazhagan Chinnappa, Jeyabalan Shanmugapriya, Gandhi Sivaraman	Metal ion sensing applications of finite supramolecular coordination complexes	Elsevier	2022	eBook ISBN: 9780323907057  Paperback ISBN: 9780323905824