


Sri Sai Ram Engineering College
Department Of Humanities And Sciences

<p><i>Name : Dr. T. Palani</i></p>	
<p><i>Designation :</i></p>	<p><i>Assistant Professor-II</i></p>
<p><i>Qualification :</i></p>	<p><i>B.Sc., M.Sc., M.Tech., Ph.D</i></p>
<p><i>Area of Specialization :</i></p>	<p><i>Synthetic Organic Chemistry</i></p>
<p><i>Experience :</i></p>	<p><i>Teaching : UG : 0 years and 6 months</i> <i>PG : 0 yrs</i></p>
	<p><i>Industry : 9 months</i></p>
<p><i>No. of Workshop / Conferences / FDP attended</i></p>	<p><i>Workshop - / Conferences - / FDP -</i></p>
<p><i>Publications :</i></p>	<p><i>Journals</i> <i>National : 1</i> <i>International : 13</i></p>
	<p><i>Conferences</i> <i>National :</i> <i>International : NIL</i></p>
<p><i>Research Guidance :</i></p>	<p><i>Nil</i></p>
<p><i>General :</i></p>	<p><i>Synthetic Organic Chemistry, CoF, MOF, Polymer, Photoredox reactions.</i></p>
<p><i>Staff Achievements:</i></p>	<p><i>Nil</i></p>

Educational Qualification:

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
UG	B.Sc	Chemistry	2002	Sacred Heart College Tirupattur	University of Madras	65.5	First
PG	M.Sc	Chemistry	2005	Sacred Heart College Tirupattur	Thiruvalluvar University	67.9	First
PG	M.Tech	Polymer Science and Engineering	2008	College of Engineering Guindy Chennai	Anna University	82.0	First
Ph.D.	Ph.D.	Organometallic and Organic Chemistry	2013	Chonnam National Universty, South korea (Republic of)	Chonnam National Universty, South korea (Republic of)		

Academic Experience: (as on 28.09.2022)

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Shanghai Jiao Tong University Shanghai Minahang china	Postdoctoral Researcher	23-05-2018	30-04-2022	3	11	8
University of Graz Austria	Postdoctoral Researcher	16-02-2015	17-01-2017	1	11	2
Madras Christian College Tambaram Chennai	Assistant Professor	16-06-2014	30-12-2014	0	6	15
Sri Sairam Engineering College, Chennai	Assistant Professor	01.07.2022	Till date	0	2	27
Total				6	6	22

PUBLICATIONS

Journals:

1. Tamilselvan Mohan, Urban Ajdnik, Chandran Nagaraj, Florian Lackner, Andreja Dobaj Štiglic, *Palani Thiruvengadam*, Lunjakorn Amornkitbamrung, Lidija Gradišnik, Uroš Maver, Kargl, Dr Rupert, Stana Kleinschek Karin, **One-step Fabrication of Hollow Spherical Cellulose Beads: Application in pH-Responsive Therapeutic Delivery** - *ACS Appl. Mater. Interfaces*, 2022, 14, 3, 3726–3739.
2. Shuai Bi, *Palani Thiruvengadam* (co-first author), Shice Wei, Wenbei Zhang, Fan Zhang, Lusha Gao, Junsong Xu, Dongqing Wu, Jie-Sheng Chen, and Fan Zhang, **Vinylene-Bridged Two-Dimensional Covalent Organic Frameworks via Knoevenagel Condensation of Tricyanomesitylene**, *J. Am. Chem. Soc.*, 11893–11900, 142, 2020.
3. Peirong Qiang, Zuobang Sun, Minqiang Wan, Xiaofeng Wang, *Palani Thiruvengadam*, Chiranjeevi Bingi, Weiwei Wei, Wenqing Zhu, Dongqing Wu, and Fan Zhang, **Successive Annulation to Fully Zigzag-Edged Polycyclic Heteroaromatic Hydrocarbons with Strong Blue–Green Electroluminescence**, *Org. Lett.*, 4575–4579, 21, 12, 2019.
4. Yinghang Zhang, Xiaofeng Wang, *Palani Thiruvengadam*, Wenyong Ming, Feng Qiu, Kaijin Yu, Ping Liu, Yuezeng Su and Fan Zhang, **Ionized aromatization approach to charged porous polymers as exceptional absorbents**, *Polym. Chem.*, 2792–2800, 10, 2019.
5. Lunjakorn Amornkitbamrung, Mattea-Coco Marnul, *Palani Thiruvengadam*, Silvo Hribernik, Adriana Kovalcik, Rupert Kargl, Karin Stana-Kleinschek, Tamilselvan Mohan, **Strengthening of paper by treatment with a suspension of alkaline nanoparticles stabilized by trimethylsilyl cellulose**, *Nano-Structures & Nano-Objects*, 363–370, 16, 2018.
6. Hongkeun Min, *Thiruvengadam Palani*, Kyungho Park, Jinil Hwang and Sunwoo Lee, **Copper-Catalyzed Direct Synthesis of Diaryl 1,2-Diketones from Aryl Iodides and Propiolic Acids**, *J. Org. Chem.*, 6279–6285, 79, 13, 2014.
7. *Thiruvengadam Palani*, Kyungho Park, Kwang Ho Song, and Sunwoo Lee, **Palladium Catalyzed Synthesis of (Z)-3-Arylthioacrylic Acids and Thiochromenones**, *Adv. Synth.Catal.*, 1160 – 1168, 355, 2013.

8. **Thiruvengadam Palani**, Kyungho Park, Manian Rajesh Kumar, Hyun Ming Jung, and Sunwoo Lee, **Copper-Catalyzed Decarboxylative Three Component Reaction for the Synthesis of Imidazo[1,2-a]pyridine**, *Eur. J. Org. Chem.*, 5038-5047, 26, 2012.
9. Ji Dang Kim, **Thiruvengadam Palani**, Manian Rajesh Kumar, Sunwoo Lee and Hyun Chul Choi, **Preparation of reusable Ag-decorated graphene oxide catalysts for decarboxylative cycloaddition**. *J. Mater. Chem.*, 20665-20670, 22, 2012.
10. Kyungho Park, **Thiruvengadam Palani**, Ayoung Pyo, Sunwoo Lee, **Synthesis of aryl alkynyl carboxylic acids and aryl alkynes from propiolic acid and aryl halides by site selective coupling and decarboxylation**, *Tetrahedron Lett.*, 733-737, 53, 2012.
11. Sudeok Kim, Eunhye Jung, Mi Jin Kim, Ayoung Pyo, **Thiruvengadam Palani**, Min Sik Eom, Min Su Han and Sunwoo Lee, **Simple, Fast, and Easy Assay for Transition Metal-Catalyzed Coupling Reactions using Paper-Based Colorimetric Iodide Sensor**, *Chem. Commun.*, 8751-8753, 48, 2012. (Backcover).
12. Yumi Heo, Yi Young Kang, **Thiruvengadam Palani**, Junseong Lee, Sunwoo Lee, **Synthesis, characterization of palladium hydroxysalen complex and its application in the coupling reaction of arylboronic acids: Mizoroki-Heck type reaction and decarboxylative couplings**, *Inorg. Chem. Commun.*, 1-5, 23, 2012.
13. Juseok Choe, Jiyoung Yang, Kyungho Park, **Thiruvengadam Palani**, Sunwoo Lee, **Nickel-Catalyzed decarboxylative coupling reaction of alkynyl carboxylic acids and allyl Acetates**, *Tetrahedron Lett.*, 6908-6912, 53, 2012.
14. **T. Palani**, C. Saravanan, and P. Kannan, **Synthesis and characterization of Pendant triazole ring assisted mesogen containing side chain liquid crystalline polymethacrylates**, *J. Chem. Sci.*, 81-89, 123, 2011.

Scopus. 12

Conferences/Seminars/Webinars: Korean Chemical Society conferences.

Workshops: NIL

FDP: NIL