

## SIVAN PERUMAL, MURUGAN

PhD, Chemistry

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### Career Objective

I wish to expand my knowledge and skills in teaching field by obtaining various progressive chemical research industries in synthetic organic chemistry and sound practical experience.

### Academic Profile

Ph.D., (Feb. 2018 – Jan. 2022)	Overall cumulative GPA : 4.37 out of 5 Department of Chemistry National Dong Hwa University Hualien, Shoufeng, Taiwan.
<b><u>Thesis and publications</u></b>	
Thesis titled " <b>One-pot Approach: Synthesis of 2-Quinolone, Indole, and Indole and Triazole Fused Benzodiazepine Derivatives via Ugi Four-component Reaction</b> ".	
<ul style="list-style-type: none"><li>Camphorsulfonic Acid Mediated One-Pot Tandem Consecutive <i>via</i> Ugi four-component Reaction for the Synthesis of Functionalized Indole and 2-Quinolone Derivatives by Switching Solvents. <i>Sivan Perumal Murugan, Hong-Jie Zhong, Chih-Yu Wu, Hao-Wei Pan, Chinpiao Chen, Gene-Hsian Lee; ACS Omega, 2022, 7, 5713–5729. <a href="https://doi.org/10.1021/acsomega.1c05460">https://doi.org/10.1021/acsomega.1c05460</a></i></li><li>Synthesis of indoline-fused 2,5-diketopiperazine scaffolds via Ugi-4CR in the basic mediated tandem consecutive cyclization. <i>Chih-Yu Wu, Sivan Perumal Murugan, Yu-Wei Wang, Hao-Wei Pan, Bing-Jian Sun, Yu-Ting Lin, Siti Fatimah, Agnes H. H. Chang, Chinpiao Chen, Gene-Hsian Lee; Advanced Synthesis &amp; Catalysis, 2021, 363, 4960–4968. <a href="https://doi.org/10.1002/adsc.202100658">https://doi.org/10.1002/adsc.202100658</a></i></li><li>One-pot approach: Tandem consecutive Ugi-4CR/ACM-type reaction towards the synthesis of functionalized quinoline-2(1<i>H</i>)-one scaffolds. <i>Sivan Perumal Murugan, Chih-Yu Wu, Chinpiao Chen, Gene-Hsian Lee; Tetrahedron Letters, 2021, 67, 152889. <a href="https://doi.org/10.1016/j.tetlet.2021.152889">https://doi.org/10.1016/j.tetlet.2021.152889</a></i></li></ul>	
GATE 2008	GATE score : 324 Percentile score : 84.10 All india rank : 1013
M.Sc., (Jun. 2002 – Apr. 2004)	Percentage of Marks : 68.49 Department of Chemistry Manonmaniam Sundaranar University Tirunelveli.
Project titled " <b>Synthesis and characterization of Platinum complexes containing the organic ligands 1-Oxopyridinium-2-thioacetic acid and the Alanine</b> ".	
Diploma in Computer Application (Aug. 2000 – Jan. 2001) (Part time)	Percentage of Marks : 68.00 St.Xavier's college (Autonomous) Tirunelveli.
B.Sc., (Jun. 1999 – Apr. 2002)	Percentage of Marks : 77.12 St.Xavier's College (Autonomous) Tirunelveli.

## **Research Experience**

I have worked in five different industries, where my key responsibilities were Synthesis and characterization of organic compounds using  $^1\text{H}$ -NMR,  $^{13}\text{C}$ -NMR, 2D-NMR, HSQC, HMBC, IR, MS, and X-ray. The design of targeted molecules. Maintaining detailed and accurate experimental records. Troubleshooting problematic chemistry. Prepare and present biweekly scientific reports to clients.

<b>Nov 2022 – Dec 2023</b>	Senior Research Chemist I	Charnwood Discovery Ltd, United Kingdom
<b>May 2010 – Sep 2017</b>	Research Scientist II	Albany Molecular Research, Singapore
<b>Nov 2009 – May 2010</b>	Research Associate	Aurigene Discovery Technologies Ltd, Bangalore
<b>Jan 2009 – Oct 2009</b>	Scientist-I	Incozen Therapeutics (p) Ltd, Hyderabad
<b>Oct 2004 – Jan 2009</b>	Senior Scientist	Syngene International Ltd. (Biocon group), Bangalore

## **Reference:**

Prof. Chinpiao Chen, Ph.D. Department of Chemistry National Dong Hwa University Shoufeng, Hualien 974301, Taiwan Email: <a href="mailto:chinpiao@ems.tcust.edu.tw">chinpiao@ems.tcust.edu.tw</a>	G. Abraham Rajkumar, PhD, PGDPVRA Senior Scientist Esco Aster Pte Ltd 21, Changi South Street 1 Singapore 486777 Email: <a href="mailto:abraj77@hotmail.com">abraj77@hotmail.com</a>
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## **Declaration:**

I hereby declare that all statements made in this document are true, complete, and correct to the best of my knowledge.

Date : 12-Mar-2025

Place : Tirunelveli

Sivan Perumal, Murugan