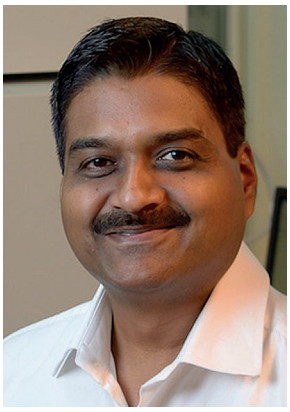
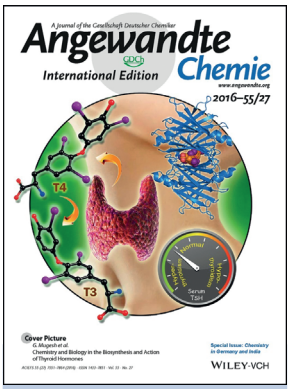


G. Mugesh

*The author presented on this page has recently published his **10th article** since 2010 in Angewandte Chemie*: "Remarkable Effect of Halogen Substitution on the Membrane Transport of Fluorescent Molecules in Living Cells": H. Ungati, V. Govindaraj, G. Mugesh, *Angew. Chem. Int. Ed.* **2018**, *57*, 8989; *Angew. Chem.* **2018**, *130*, 9127.



The work of G. Mugesh has been featured on the cover of Angewandte Chemie: "Chemistry and Biology in the Biosynthesis and Action of Thyroid Hormones": S. Mondal, K. Raja, U. Schweizer, G. Mugesh, *Angew. Chem. Int. Ed.* **2016**, *55*, 7606; *Angew. Chem.* **2016**, *128*, 7734.

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Hobbies:	Watching movies, cooking, driving

When I was eighteen I wanted to be a farmer.

The natural talent I would like to be gifted with is the ability to learn new languages quickly.

The biggest challenge facing scientists is too many irrelevant and misleading research problems.

My motto is work hard with dedication, serve people, and do not expect anything in return.

Looking back over my career, I am satisfied!

My favorite saying is "great minds discuss ideas; average minds discuss events; weak minds discuss people".

My favorite time of day is 10.30 am when I take a break and go with my colleagues to the Faculty Club on our beautiful campus for a cup of tea.

I advise my students to be honest and help others.

My favorite molecule is thyroxine, a simple molecule with amazing functions in the human body.

My favorite composer is Isai Gnani Ilaiyaraaja, one of the greatest Indian composers, who wrote music for our every emotion in life.

My favorite book is *Thirukkural*—a 2000-year-old classic Tamil work on ethics, which consists of 1330 couplets (Kurals), dealing with all aspects of Aram (virtue), Porul (wealth), and Inbam (love).

My 5 top papers:

1. "An antioxidant nanozyme that uncovers the cytoprotective potential of vanadia nanowires": A. A. Vernekar, D. Sinha, S. Srivastava, P. U. Paramasivam, P. D'Silva, G. Mugesh, *Nature Commun.* **2014**, *5*, 5301. (Turning potentially cytotoxic vanadium into a cytoprotective redox modulator in human cells.)
2. "A Chemical Model for the Inner-Ring Deiodination of Thyroxine by Iodothyronine Deiodinase": D. Manna, G. Mugesh, *Angew. Chem. Int. Ed.* **2010**, *49*, 9246–9249; *Angew. Chem.* **2010**, *122*, 9432. (Highlights the importance of two biological trace elements, selenium and iodine, in thyroid hormone activation and metabolism.)
3. "Antibiotic Resistance: Mono- and Dinuclear Zinc Complexes as Metallo-β-Lactamase Mimics": A. Tamilselvi, M. Nethaji, G. Mugesh, *Chem. Eur. J.* **2006**, *12*, 7797. (The key role played by metal ions in bacterial drug resistance and inactivation of β-lactam antibiotics.)
4. "Biomimetic Studies on Anti-Thyroid Drugs and Thyroid Hormone Synthesis": G. Roy, M. Nethaji, G. Mugesh, *J. Am. Chem. Soc.* **2004**, *126*, 2712. (My first paper as an independent researcher. Selenomethimazole can exert its anti-thyroid action by a mechanism different from that of the sulfur analogue.)
5. "Synthesis and Structural Characterization of Monomeric Selenolato Complexes of Zinc, Cadmium, and Mercury": G. Mugesh, H. B. Singh, R. P. Patel, R. J. Butcher, *Inorg. Chem.* **1998**, *37*, 2663. (My first ever publication. An intramolecular coordination strategy to prevent the polymerization that is generally observed for Group 12 metal chalcogenolate complexes.)

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Author Profile

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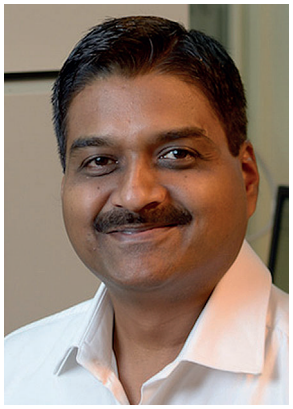

"When I was eighteen I wanted to be a farmer. The natural talent I would like to be gifted with is the ability to learn new languages quickly ..."
Find out more about Govindasamy Mugesh in his Author Profile.