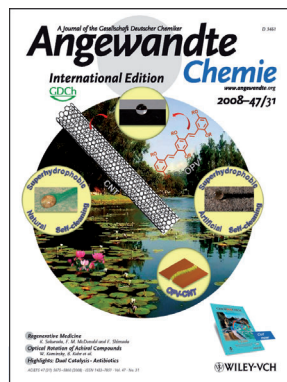




A. Ajayaghosh

The author presented on this page has recently published his **15th article** in *Angewandte Chemie* in the last 10 years:

“Solvent-Free Luminescent Organic Liquids”: S. Santhosh Babu, J. Aimi, H. Ozawa, N. Shirahata, A. Saeki, S. Seki, A. Ajayaghosh, H. Möhwald, T. Nakanishi, *Angew. Chem.* **2012**, 124, 3447; *Angew. Chem. Int. Ed.* **2012**, 51, 3391.



The work of A. Ajayaghosh has been featured on the cover of *Angewandte Chemie*:

“Bioinspired Superhydrophobic Coatings of Carbon Nanotubes and Linear π Systems Based on the “Bottom-up” Self-Assembly Approach”: S. Srinivasan, V. K. Praveen, R. Philip, A. Ajayaghosh, *Angew. Chem.* **2008**, 120, 5834; *Angew. Chem. Int. Ed.* **2008**, 47, 5750.

Ayyappanpillai Ajayaghosh

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Education:	1982 BSc in chemistry, University of Kerala 1984 MSc in Chemistry, University of Calicut 1988 PhD, University of Calicut with Prof. V. N. R. Pillai 1994–1996 Alexander von Humboldt Fellow with Prof. Martin Demuth, Max Planck Institute for Radiation Chemistry (now Max Planck Institute for Bioinorganic Chemistry), Mülheim an der Ruhr (Germany)
Awards:	2006 Fellow, Indian Academy of Sciences; 2007 Shanti Swarup Bhatnagar Prize; 2009 Outstanding Researcher Award, Dept. of Atomic Energy; Thomson Reuters Research Excellence—India Research Front Award; 2011 Fellow, National Academy of Sciences, India
Current research interests:	Organogels with diverse shapes, sizes, and properties; excited-state properties and energy transfer in molecular assemblies and gels; helical assemblies; conducting gels; organic–inorganic hybrid assemblies; photoresponsive systems; molecular probes
Hobbies:	Listening to all forms of music

When I was eighteen I wanted to be ... a medical doctor.

Looking back over my career, I ... am fortunate to be a chemist.

I am waiting for the day when someone will discover ... a process to convert CO₂ and H₂O to carbohydrates using sunlight.

My favorite food is ... Spicy Kerala fish curry with Basmati rice.

The most significant historic event of the past 100 years was ... (for me) India’s independence.

If I could be anyone for a day, I would be ... Michael Faraday.

My first experiment was ... testing the patience of my mother by repeatedly annoying her when I was a mischievous boy.

The secret of being a successful scientist is ... a passion for science, the commitment to work, and the patience to wait.

My favorite author (science) is ... Linus Pauling.

My 5 top papers:

1. “First Phenylenevinylene Based Organogels: Self-Assembled Nanostructures via Cooperative Hydrogen Bonding and π -Stacking”: A. Ajayaghosh, S. J. George, *J. Am. Chem. Soc.* **2001**, 123, 5148. (The gelation of a short linear π system with significant modulation of the fluorescence emission.)
2. “Transcription and Amplification of Molecular Chirality to Oppositely Biased Supramolecular π Helices”: A. Ajayaghosh, R. Varghese, S. J. George, C. Vijayakumar, *Angew. Chem.* **2006**, 118, 1159; *Angew. Chem. Int. Ed.* **2006**, 45, 1141. (This article shows the importance of π gelators in chirality amplification and helicity modulation.)
3. “Molecular Wire Encapsulated into π Organogels: Efficient Supramolecular Light-Harvesting Antennae with Color-Tunable Emission”: A. Ajayaghosh, V. K. Praveen, C. Vijayakumar, S. J. George, *Angew. Chem.* **2007**, 119, 6376; *Angew. Chem. Int. Ed.* **2007**, 46, 6260. (π gels were shown to be efficient energy donors for extremely small amounts of an encapsulated energy acceptor.)
4. “Bioinspired Superhydrophobic Coatings of Carbon Nanotubes and Linear π Systems Based on the “Bottom-up” Self-Assembly Approach”: S. Srinivasan, V. K. Praveen, R. Philip, A. Ajayaghosh, *Angew. Chem.* **2008**, 120, 5834; *Angew. Chem. Int. Ed.* **2008**, 47, 5750. (The lotus leaf self-cleaning effect is mimicked by using a simple self-assembly approach between a π system and carbon nanotubes.)
5. “RGB Emission through Controlled Donor Self-Assembly and Modulation of Excitation Energy Transfer: A Novel Strategy to White-Light-Emitting Organogels”: C. Vijayakumar, V. K. Praveen, A. Ajayaghosh, *Adv. Mater.* **2009**, 21, 2059. (The design of a white-light-emitting organogel by controlling the helical self-assembly of the donor molecules and thus the excited-state properties of the gel.)

DOI: 10.1002/anie.201201268