

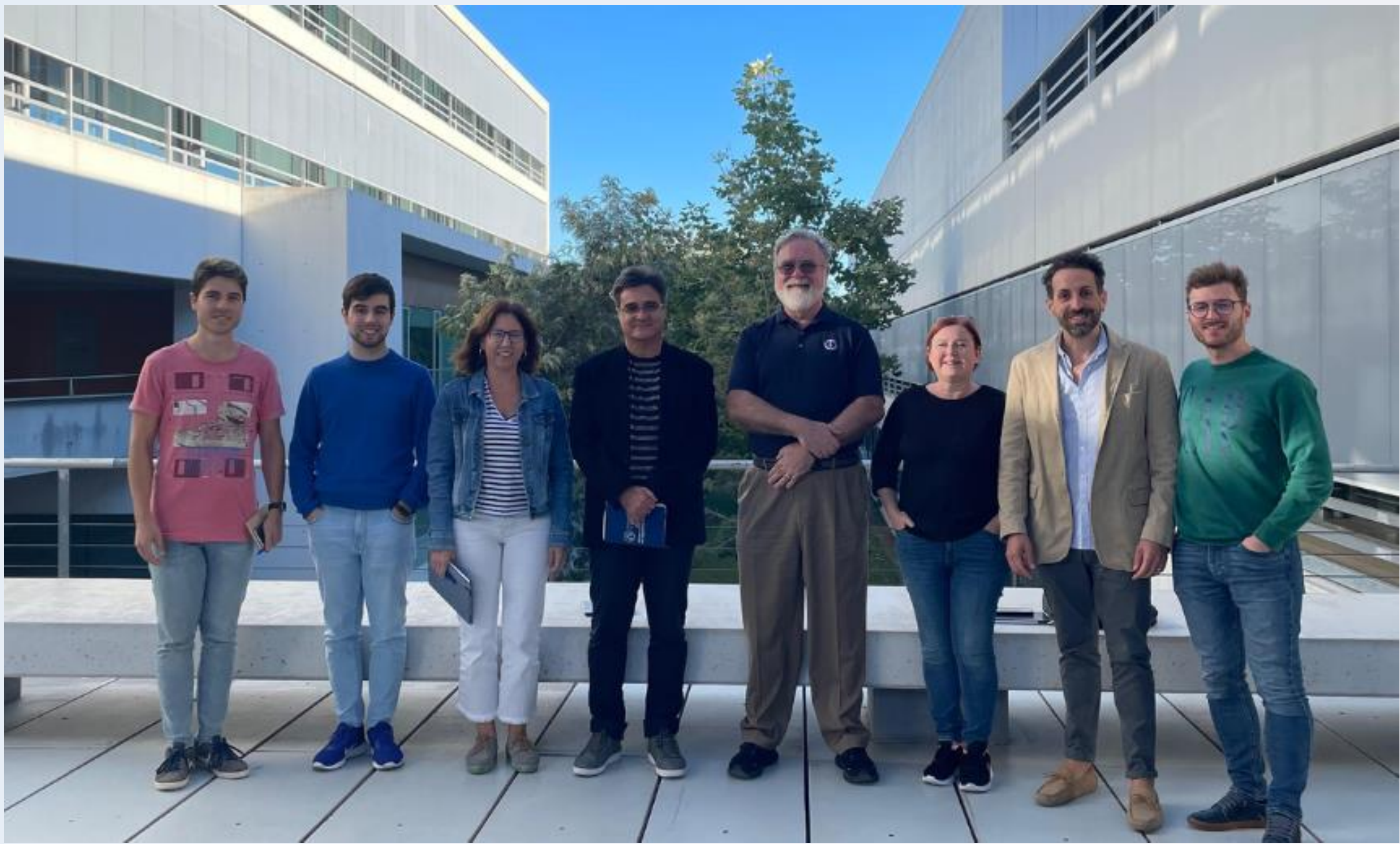
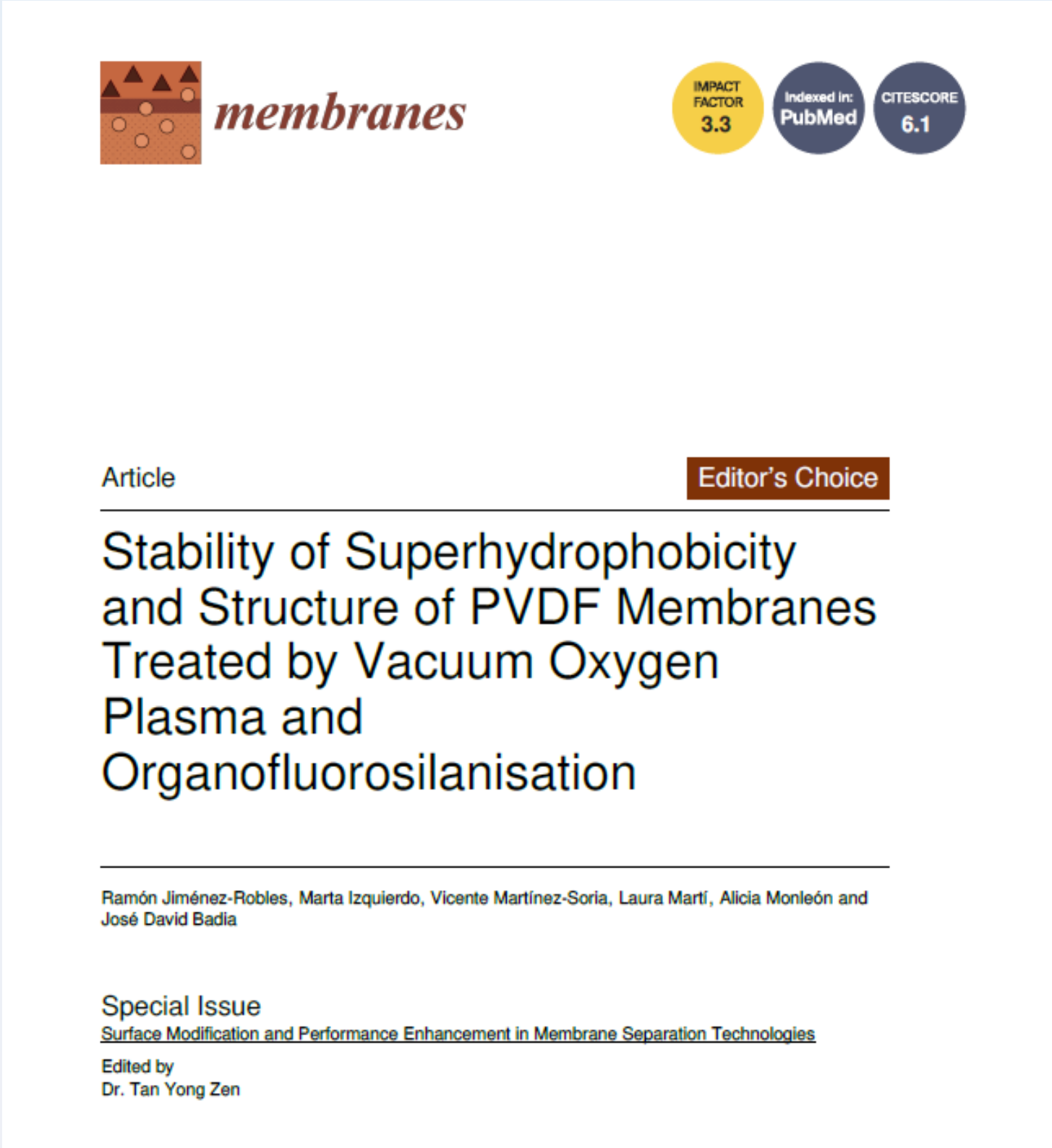
# METHBRANE: Sustainable manufacturing of superhydrophobic membranes for the decarbonization of dissolved methane emissions from anaerobic digesters



## Newsletter Year 1

### New scientific paper on stability of superhydrophobic membranes

March 9th, 2023  
"Stability of Superhydrophobicity and Structure of PVDF Membranes Treated by Oxygen Plasma in Vacuum and Organofluorosilanization", in the journal **Membranes**, in collaboration with the Technological Institute of Plastics (AIMPLAS) and represents a significant advance in the development of superhydrophobic membranes of poly(vinylidene fluoride) (PVDF).



### Seminar on Polymer Membrane Design for Environmental Technologies

October 24th, 2023  
The University of Valencia hosted a new edition of the Seminars on Polymer Membrane Design for Environmental Technologies, organized by the Materials Technology and Sustainability (MATS) Group, with the distinguished participation of **Professor Richard Spontak** from North Carolina State University.

### Researchers from MATS group present advances in PVDF membranes and bio-based materials at the Universitat de València

November 27th, 2023  
The School of Engineering of the University of Valencia was the venue for the **III Seminar on Polymer Membrane Design for Environmental Technologies**, organized by the MATS (Materials Technology and Sustainability) group. The event brought together young researchers to share advances in the synthesis and modification of polymeric membranes for decarbonization.



### Participation in the National Congress of Materials CNMAT2024

June 29th, 2024  
The research group MATS (Materials Technology and Sustainability) from the Universitat de València actively participated in the **National Congress of Materials CNMAT 2024**, held from June 25 to 28 at the University of Málaga. This event, organized by the Spanish Society of Materials (SOCIEMAT), brought together more than 500 specialists to discuss the latest advances in materials science.

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