



International Association of Colloid and Interface Scientists

Welcome to the IACIS Newsletter

In this newsletter you will find the following topics:

- From the IACIS president
- From your newsletter editor
- Nikolai Denkov becomes Prime Minister of Bulgaria
- Showcase your publication
- Australasian Colloid and Interface Symposium
- Save the date SIS 2024
- In Memoriam Dennis Prieve

[I prefer to read the pdf.](#)



From the IACIS President



The very first IACIS Newsletter was sent out 45 years ago, about a year before IACIS itself was established in August 1979. Taking a quick trip back only forty years to the June 1983 Newsletter (No. 7) from Saskia's archive reveals a different society and a Newsletter that had a different function. Geoff Parfitt was just finishing his term as inaugural president and about to hand over to Egon Matijević. Geoff was keen that elections for the incoming Council yield more international representation than it had (something I think we can be proud of achieving and maintaining). In addition to upcoming conference announcements around the world, members were also advised of relevant new journals and books, and of updates to national society contacts' physical mailing addresses. Astonishingly, I could not find a single email address, hashtag, or URL...

Some things still look very familiar however, such as the invitation to all members to contribute to the newsletter and the society. Please take some time to explore the newsletter archive and see what you can uncover. If you find something interesting to share, please send it to Saskia for inclusion in a future newsletter.

I don't believe that any of our original IACIS council members would have expected to find a Prime Minister among their number. We wish our colleague, Nikolai Denkov, who assumed the prime ministership of Bulgaria in June, all the best, and trust that his previous ministerial roles in Science and Education will keep them high among his priorities. He joins a select group of colloid and interface scientists to become prime ministers, notably Margaret Thatcher (née Roberts). She moved on from working on saponification of monostearin, out of science and into politics rather earlier than Nikolai, who somehow still manages to publish beautiful papers.

I am also sad to note the passing of Dennis Prieve, who was outgoing president when I first joined the Council in 2012. Aside from his very substantial research achievements, I remember Dennis as a warm, welcoming, and generous colleague who was dedicated to the well-being and development of students and early-career researchers.

From my personal perspective it's great to note that we have so many Australian members after IACIS2022, but it is a bit disproportionate; a more internationally balanced IACIS would be even better. Of course you are already an IACIS member if you are receiving this newsletter, but don't be surprised if I ask about your colleagues' and students' IACIS membership status when I see you next in person, be it at ECIS in Napoli in September, at ACCIS in Hong Kong in November, and/or at ACIS in Terrigal (Australia) next February.

Greg Warr

FROM YOUR NEWSLETTER EDITOR



The 80th Newsletter

In 1978 the first IACIS Newsletter was published, by the first newsletter editor Hans Lyklema. For 30 years Hans was responsible for our newsletter. Of course, back then all newsletters were published in print and sent to our members. Hans edited 44 newsletters. In 2008 Ger Koper took over from Hans and for 10 years he was responsible for the newsletter, which he converted to an online format. In these 10 years, Ger edited 22 newsletters. In 2018 I became your newsletter editor, so far I edited 14 newsletters. A few years back I decided that for me it would work best to have set dates for sending out our newsletters. Our newsletter appears four times per year, in January, April, July and October. Now, after 45 years of newsletters, this is the 80th. Please send me your contributions for the 81st newsletter before September 15. The content of the newsletters changed a lot over the years. Curious? You can browse our full online archive.

[Link to our Newsletter archive](#)

NIKOLAI DENKOV BECOMES PRIME MINISTER OF BULGARIA



Colloid Scientist Prime Minister of Bulgaria

Following the elections held in April 2023, on May 22 Nikolai Denkov was projected to become the Prime minister of Bulgaria. On June 6, his proposed government was accepted.

[Link to news item](#)

SHOWCASE YOUR PUBLICATION

During the pandemic there was a lack of opportunities for young scientists to present their work at international conferences. Therefore we started to invite PhD students to showcase recent publications in the IACIS Newsletter. We have decided to continue this Newsletter item, because it gives an opportunity for young scientists to explain their recent discoveries. The idea is to write a short text in which you explain about your PhD topic, your recent publication and why it is interesting for our community. Detailed guidelines can be found [here](#). The aim is to include 2 or 3 showcase texts in each Newsletter, preferably from three different continents. The next Newsletter will appear beginning of July, the deadline for submitting your showcase text is June 15.

Your Newsletter Editor, Saskia Lindhoud

Oat flour as a novel stabiliser for designing plant-based Pickering emulsion

Kirti Rawal is a PhD student at the School of Agriculture and Food Sciences, University of Queensland (UQ), Australia. She completed her Masters in Food Science and Technology at UQ with the Dean's Commendation Award and was actively involved in the Food Science Club as the Vice-President. Her area of interest is plant-based food and has pursued her research in this field for the past four years. With a passion for new food technologies, she started her PhD with the objective of designing sustainable and clean-label plant-based emulsions. Her study aims to use minimally processed wholesome foods without synthetic additives.

The published article is about utilising wholesome oat flour as a Pickering stabiliser for oil-in-water emulsions without the use of any additional surfactants. With the current push for sustainability and encouraging the use of healthy ingredients, using a minimally processed food material with no harsh chemicals; designing a food emulsion stable for three weeks makes me feel proud of this research work. Doing this research work has motivated me to explore the world of plant-based Pickering emulsions and develop clean-label and sustainable plant-based food products.

Link to the article: <https://doi.org/10.1016/j.jfoodeng.2022.111300>

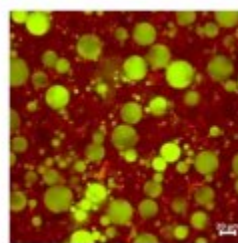


Figure: Confocal light scanning microscope image of oat flour-stabilised Pickering emulsion. The green colour indicates the fat globules and red indicates the protein and starch.

AUSTRALASIAN COLLOID AND INTERFACE SOCIETY MEETING 2024

The Australasian Colloid and Interface Society (ACIS) was established in 2013 as an inclusive organisation to bring together everyone in Australia and New Zealand (and beyond) who is interested in colloid and interfacial science, engineering and technology.

The biennial symposium organised by ACIS has provided a unique opportunity for discussions in the study of Colloids and Interface Science since 2003. The themes of the Australasian Colloids and Interface Symposium covers the topics of nanoparticles and nanocrystals, colloids and interfaces in mineral processing, colloids for the delivery of bioactive compounds, and on soft matter and also liquid interfaces together with our traditional Frontiers of colloid and interface science theme to capture the diversity of the latest and greatest discoveries by colleagues from across New Zealand, Australia and the World.

Please visit the event website at [acis2024.org](https://www.acis2024.org)



SAVE THE DATE SIS 2024



24th International Symposium on SURFACTANTS IN SOLUTION

The next Surfactants in Solution symposium will be held from June 16-21, 2024, in Goa, India. More information can be found in the flyer.

[Link to flyer](#)

OBITUARY DENNIS PRIEVE



In Memoriam Dennis Prieve

On Thursday May 11, 2023, Dennis C. Prieve, passed away. He served as president of IACIS 2009-2012. Dennis loved research and he became interested in solving problems in the physical chemistry of colloidal materials as a graduate student. Dennis went on to perform foundational and ground-breaking work in colloidal stability, electrokinetics, phoretic transport, and interparticle forces; tackling both experimental and theoretical aspects with rigor and detail. He pioneered the motion of particles in liquids with gradients of solute. He invented total internal reflection microscopy to determine the interaction between colloidal particles and interfaces. This allowed for the exploration of double-layer repulsion, retarded van der Waals attraction, particle assembly in electric fields and both depletion attraction and steric repulsion from polymers in a new context. This also led him to new insights in van der Waals forces and triggered new ways to determine Hamaker constants. Dennis understood the importance of new methods to gain new insight. His last paper was on a new method to measure zeta-potentials.

[link to the obituary](#)

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