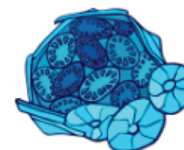


# Journal of Nannoplankton Research INA18 abstracts, Avignon, France

INA18 | abstracts | august–september 2022



International  
Nannoplankton  
Association



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LUC BEAUFORT CLARA BOLTON BAPTISTE SUCHÉRAS-MARX  
Aix-Marseille University — France

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### Fieldtrip Contributors

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**Welcome to INA18!**  
28 August–3 September, 2022



Le Palais des Papes, Avignon



**Session 3 (cont'd) – Biostratigraphy**

16:20 – 16:40

**Chira & Bindu-Haitonic** – Eocene calcareous nannofossils from the Humor Basin (eastern Carpathians, Romania): Biostratigraphy and palaeoenvironmental reconstruction

16:40 – 17:00

**Wang Xuejiao et al.** – Regression of the Tethys Sea in Central Asia in the Middle to Late Eocene: Evidence from calcareous nannofossils in the western Tarim Basin, NW China

17:00 – 17:20

**Holcová et al.** – Strontium isotope stratigraphy vs. calcareous nanнопlankton datums in an epicontinental sea: A case study from the Miocene Paratethys

17:20 – 17:40

**Vallejo Hincapié et al.** – The Neogene Central American seaway

17:40 – 18:00

**Lozar et al.** – The Lorca Basin revisited: How integrated stratigraphy can help resolve long-standing controversies

18:30 –

External event at the Museum of Natural History (Requien Museum): Opening of the nannofossil art exhibition by **Isabelle Rochemars**

**Wednesday 31st August****Session 4 – Palaeoceanography**

Chairs: Clara Bolton &amp; José-Abel Flores

9:00 – 9:20

**Mattioli et al.** – Weakening of the biological pump induced by a nanнопlankton crisis during the Early Toarcian Oceanic Anoxic Event

9:20 – 9:40

**Bettoni et al.** – How did calcareous nanнопlankton respond to palaeoenvironmental-factor changes at low and high latitudes across the Late Aptian–Early Albian interval?

9:40 – 10:00

**Pige et al.** – New estimation of Late Paleocene calcareous nanнопlankton fluxes at ODP Site 1209 (North Pacific)

10:00 – 10:20

**Alqudah et al.** – Calcareous nannofossil assemblages and geochemical analysis of Eocene oil shales from Wadi

Ashajara, northern Jordan, and their implications for the depositional environment

**Coffee break****Session 4 (cont'd) – Palaeoceanography**

10:50 – 11:10

**Lukić et al.** – Mid-Eocene thermals record in the Istrian Paleogene basin (Outer Dinarides, Croatia), Neotethys

11:10 – 11:30

**Ma Ruigang et al.** – Nutrient forcing on the Late Middle Eocene to Early Oligocene (~40–31 Ma) evolution of the coccolithophore *Reticulofenestra* (Order Isochrysidales)

11:30 – 11:50

**Wang Yasu et al.** – Evolution of Miocene calcareous nannofossil assemblages as a response to palaeoceanographic changes in the northern South China Sea

11:50 – 12:10

**Mancini et al.** – Oligo-monospecific assemblage of calcareous nanнопlankton in response to the Messinian palaeoceanographic setting: Insights from the Monte dei Corvi section (central Italy)

**Lunch break**14:00 – 16:00 – **Poster session**

16:00 – 18:00

**Giuliana Villa, Emanuela Mattioli & the INA Committee** – INA business meeting

16:00 – 16:20

**Young et al.** – Nannotax: Bibliography project and other updates

20:00 –

Gala dinner, Palais des Papes

**Thursday 1st September****Session 5 – Quaternary and modern ecology**

Chairs: Alba González-Lanchas & Alyssa Peleo-Alampay  
9:00 – 9:20

**Sun et al.** – Blooming coccolithophores identified in the western Pacific during the mid-Brunhes dissolution interval

## Nannotax: Bibliography project and other updates

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The *Nannotax* website was officially launched in something close to its current form at the INA13 conference in Washington in 2013. Since then, it has both become the prime online resource for the taxonomy of living and fossil coccolithophores and has also been continuously developed, expanded and updated. This was a lockdown-compatible activity and so has continued through the last few years. General updates since the last INA conference in 2019 have included adding around 5000 more images, from about 150 publications, 200 new taxon descriptions in the Farinacci & Howe catalogue and many edits to the main database, but with more still to do. Three significant changes to the data structure and capability have also been made, and these will be outlined in this talk.

1. *Image sorting and searching*. The images are now classified by image type, such as SEM–distal, SEM–coccosphere, LM–coccosphere, etc. This is used to sort images on the pages. In parallel, new image search tools have been developed. Together, these allow the increasingly large collections of images for single taxa to be used for research.

2. *Advanced search*. The original advanced-search system introduced in 2017 was based on a very large vocabulary of descriptive terms and did not prove very useful or popular. This has now been replaced by a simpler set of terms with a graphic interface, which is, hopefully, quicker and easier to use, while still allowing rapid narrowing of the field of possible identifications.

3. *Expanded bibliography and PDF collection*. This has been a major project, carried out with Baptiste Suchéras-Marx, Shijun Jiang and Ines Galović. The objective was to develop a rather comprehensive bibliography of the literature on nannofossils and nannoplankton and a linked PDF collection. This required improved databasing of the bibliography, databasing of the copyright/open access status of journals, and developing new scripts to link PDFs to references. In parallel, bibliographies and PDF collections from multiple sources have been merged and cleansed. As a result, the *Nannotax* bibliography now contains 4630 references (vs 1900 in 2019), with PDF copies available for 3400 of these.