

## University of Groningen

### Nanoscale architecture

Hazelaar, Sandra

**IMPORTANT NOTE: You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.**

*Document Version*

Publisher's PDF, also known as Version of record

*Publication date:*

2006

[Link to publication in University of Groningen/UMCG research database](#)

*Citation for published version (APA):*

Hazelaar, S. (2006). *Nanoscale architecture: The role of proteins in diatom silicon biomineralization*. s.n.

**Copyright**

Other than for strictly personal use, it is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license (like Creative Commons).

The publication may also be distributed here under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license. More information can be found on the University of Groningen website: <https://www.rug.nl/library/open-access/self-archiving-pure/taverne-amendment>.

**Take-down policy**

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

*Downloaded from the University of Groningen/UMCG research database (Pure): <http://www.rug.nl/research/portal>. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.*

## List of publications

- Hazelaar, S.**, van der Strate, H. J., Gieskes, W. W. C. & Vrieling, E. G. 2005. Monitoring rapid valve formation in the pennate diatom species *Navicula salinarum* (Bacillariophyceae). *J. Phycol.* 41:354-358.
- Hazelaar, S.**, van der Strate, H. J., Gieskes, W. W. C. & Vrieling, E. G. 2003. Possible role of ubiquitin in silica biomineralization in diatoms: identification of a homologue with high silica affinity. *Biomol. Engin.* 20:163-169.
- Sun, Q., Beelen, T. P. M., Santen van, R. A., **Hazelaar, S.**, Vrieling, E. G. & Gieskes, W. W. C. 2002. PEG-mediated silica pore formation monitored in situ by USAXS and SAXS: systems with properties resembling diatomaceous silica. *J. Phys. Chem. B* 106:11539-11548.
- Vrieling, E. G., Beelen, T. P. M., Sun, Q., **Hazelaar, S.**, van Santen, R. A. & Gieskes, W. W. C. 2004. Ultrasmall, small, and wide angle X-ray scattering analysis of diatom biosilica: interspecific differences in fractal properties. *J. Mater. Chem.* 14:1970-1975.
- Vrieling, E. G., **Hazelaar, S.**, Gieskes, W. W. C., Sun, Q., Beelen, T. P. M. & van Santen, R. A. 2003. Silicon biomineralization: Towards mimicking biogenic silica formation in diatoms. In Müller, W. E. G. [Ed.] *Silicon biomineralization: Biology, Biochemistry*, Molecular Biology, Biotechnology. Springer-Verlag, Berlin Heidelberg, pp. 301-334.
- Vrieling, E. G., Sun, Q., Beelen, T. P. M., **Hazelaar, S.**, Gieskes, W. W. C., van Santen, R. A. & Sommerdijk, N. A. J. M. 2005. Controlled silica synthesis inspired by diatom silicon biomineralization. *J. Nanosci. Nanotechnol.* 5:68-78.