

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

Name KOOISTRA, WIEBE HENDRIK CORNELIS FREDERIK
Home VILLA MARILENA, RAMPE PETRAIO 21BIS, 80127 NAPLES, ITALY
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Nationality Dutch
Date of birth DECEMBER 15TH, 1958

WORK EXPERIENCE

- Dates (from – to) April 6th 2017 – April 6th 2023 Habilitation Sector Abilitazione Scientifica Nazionale 05/A1 Botany
- Dates (from – to) December 1st 2000 – present
- Name and address of employer **Stazione Zoologica Anton Dohrn**, Villa Comunale, 80121 Naples, Italy
 - 1st temporal contract from December 1st, 2000 to November 30th, 2003
 - 2nd temporal contract from January 1st, 2004 to December 31st, 2005
 - 3rd temporal contract from February 1st, 2006 to January 31st, 2007
 - 4th temporal contract from February 1st, 2007 to February 3rd, 2008
 - Permanent contract as 1^o ricercatore from February 4th, 2008 – April 30th, 2019
 - Permanent contract as Dirigente di Ricerca from May 1st, 2019
- Type of business or sector Marine research institute
- Occupation or position held Senior researcher (permanent staff)
- Main activities and responsibilities Senior Researcher in the Section Integrative Marine Ecology
From January 30th, 2015 – September 4th, 2018: Director of the Section “Research Infrastructures for Marine Biological Resources (RIMAR)” at SZN
From April 6th, 2016: Director of the Joint Research Unit Italy in the ESFRI EMBRC
Local leader of EU and national research projects, supervision of PhD students and post-doctoral researchers, involved in implementation phase of ESFRI Research Infrastructure EMBRC www.embrc.eu
- Dates (from – to) January 15th, 2000 to November 30th, 2000
- Name and address of employer **Biologisch Centrum, Rijksuniversiteit Groningen (RuG)**
 - Type of business or sector University research department
 - Occupation or position held Post-doctoral researcher
 - Main activities and responsibilities Research on micro-algal diversity
- Dates (from – to) October 27th, 1996 to December 2nd, 1999

- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

Smithsonian Tropical Research Institute, Balboa, Panama City, Republic of Panama
 Biodiversity research institute
 Post-doctoral researcher
 Research into tropical macroalgal evolution and phylogenetics, supervision of PhD student and research assistant

- Dates (from – to)

October 11th, 1993 to October 10th, 1996

- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

Alfred-Wegener-Institut für Polar und Meeresforschung, Bremerhaven, Germany
 Polar and Marine Research institute
 Post-doctoral researcher
 Research into tropical diatom evolution and phylogenetics, supervision of research assistant

- Dates (from – to)

December 15th, 1992 to January 9th, 1993

- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

Rijksherbarium Leiden, Leiden, The Netherlands
 University institute
 Phycologist
 Participation on the Dutch-Indian Ocean Expedition to the Seychelles, as collector, preparation of herbarium specimens, identification of macroalgae and seagrasses.

EDUCATION AND TRAINING

- Dates (from – to)

December 1st, 1987 – November 30th, 1992

- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered

Biologisch Centrum, Rijksuniversiteit Groningen (RuG), Haren (Groningen), the Netherlands

- Title of qualification awarded

Molecular phylogenetics and biogeography of tropical macroalgae, Collection, identification, making and maintaining unialgal and axenic culture of marine algae, molecular biological techniques, phylogenetic analyses.

PhD. May 3rd, 1993: Ph.D. in Mathematics and Natural Sciences, (Biology) at the Rijksuniversiteit Groningen (RuG), The Netherlands

- Dates (from – to)

September 1st, 1981 - November 26th, 1987

- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered

Biologisch Centrum, Rijksuniversiteit Groningen (RuG), Haren (Groningen), the Netherlands

- Title of qualification awarded

Marine biology, phycology, ecology, molecular biology, developmental biology, general botany, biophysics, evolution, genetics.

Candidate degree in Mathematics and Natural Sciences (Biology) September 27th, 1984

Masters degree in Mathematics and Natural Sciences (Marine Biology) November 26th, 1987

July 1st, 1980 - August 31st, 1981, Military service

- Dates (from – to)

September 1st, 1977 – June 27th, 1980

- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered

Higher Agricultural School, Leeuwarden, the Netherlands

- Title of qualification awarded

Plant cultivation, agriculture, botany, soil sciences, geology, vegetation mapping.

June 27th, 1980: Engineer in agriculture and soil sciences (Diploma)

RESEARCH, COORDINATION OF RESEARCH, AND GRANTS

Research focus

My research focuses on evolution of form, ecological strategies, phylogeographic patterns and life histories in marine macro- and microalgae. I focus on diatoms because of their huge morphological diversity, phylogenetic depth, and excellent fossil record. In addition, I have worked on Bryopsidalean algae, in particularly the calcified genera *Halimeda* and *Udotea* because of their vicariant distribution patterns, multi-nuclear and unicellular thallus organization, their life cycle, morphology, biomechanics, ecology and fossil record. In all these organismal groups, the challenge is to identify shared phenotypic novelties that have permitted clades of organisms to escape from constraints and trade-off traps and to diversify in new niches. In

addition, I am interested in speciation. Therefore, I study groups of closely related populations in various stages of separation, by comparing genetic, geographic and morphological information with their ability to interbreed. Many morphologically perceived single species in the plankton consist of groups of genetically and biologically distinct but morphologically cryptic entities (meta-populations). My interest in marine planktonic biodiversity focuses on trying to grasp how diverse the plankton really is.

Current research focuses on the diversity in the planktonic diatom genera *Chaetoceros* and *Bacteriastrium*. Phytoplankton monitoring records an ever-increasing number of morphologically distinct species in these genera at the Long-Term Ecological Research station Marechiara in the GoN, i) but how many species are really there and how are these delineated? ii) What are the molecular phylogenetic relationships among these species? iii) What aspects of the evolution of vegetative stages, spores and sexual stages can be inferred from obtained molecular phylogenies? iv) Do morphologically cryptic but genetically distinct species exist? v) What is the seasonal distribution of all these species? vi) Are species widely distributed, occurring in different climatological settings or do pronounced differences exist between species compositions in such different settings? vii) Can HTS.metabarcoding data be used as a proxy to infer Chaetocerotacean species diversity? Especially the latter, combined with strain characterization work and field observation, are now leading to a better insight into actual species diversity and seasonality, better than LM enumeration will be able to do.

Within these research lines I have participated in several EU-funded Projects (ALIENS, NoE MarBEF (a responsive mode project), ESTTAL, MIDTAL, ASSEMBLE (a JRA), EMBRIC (a JDA), BioMarKs (BioDiversitalia); see below)

A literature list is provided in Annex 1, citation data in Annex 2, participation in conferences in Annex 3.

Coordination of Research

From 2007 I became involved in the preparation of the FP7 I-3 Transnational Access Project ASSEMBLE (2009-2013). As a logical follow-up I participated in the core-writing team to prepare the ESFRI research Infrastructure project proposal European Marine Biological Resource Centre (EMBRC) in response to the FP7-INFRASTRUCTURES-2020-1 call. With the granting of the project, I decided to manage it next to my ongoing scientific work. I chose to do so because of my interest in a broad range of marine biological topics, in the wider context and relevance of marine biological research in the life sciences and in the organizational aspects of research.

I am now one of the driving forces towards the establishment of the EMBRC-ERIC, am involved in several EU Research Infrastructure projects to shape this RI (pp2EMBRC, EMBRIC). The most recent of these, H2020-INFRAIA-2016-2017 ASSEMBLE Plus has brought the EMBRC consortium €10M (SZN about €1M).

Given my experience in coordinating projects and people, in particular the Research Infrastructure project EMBRC, I have become Director of the scientific services section RIMAR at SZN January 30th, 2015 –September 4th 2018 and from April 6th 2016 Coordinator of the Joint Research Unit EMBRC-IT, which includes the participation of SZN, CNR IAMC, CNR-ISMAR, OGS, and CoNISMA in EMBRC.

Research Grants

EU-project grant ALIENS, Algal Invasions on European Shores EVK3 – CT2001-00082; 2002-2005; € 139,386

The principal outcome was the discovery of cryptic invasions (invasions of cryptic species) in the seaweed *Asparagopsis taxiformis*, a major invader in the Mediterranean Sea. I was Internal supervisor of Nikos Andreakis. The project resulted in publication Nrs. 27, 36, 38 and 49 in Annex 1 and in Dr. Nikos Andreakis' PhD thesis

FP6 STREP grant ESTTAL, Expressed Sequence Tags of Toxic Algal species GOCE-CT2004-511 154; 01/12/2004-31/05/2008; € 245,960

The principal outcome was the discovery of huge differences in the toxicity levels of the toxic diatom *Pseudo-nitzschia multistriata*. Metabolic pathways to Domoic Acid production were explored using microarrays but no unambiguous up-regulation of potential pathways were found. The project resulted in publication Nrs. 51 in Annex 1.

Responsive Mode Project MARPLAN within network of excellence MarBEF GOCE-CT-505446: Marine Biodiversity and Ecosystem Functioning, 2004-2008; € 211,700.

The principal outcome was taxonomic identification/benchmarking of numerous plankton strains in culture collections. The project resulted in publication Nr. 40 in Annex 1.

FP7-ENV-2007-1 Collaborative project MIDTAL (201724) Microarray for the detection of toxic algae, 01/09/2008-30/05/2012; € 316,078

The principal outcome was the establishment of molecular probes for the detection of *Pseudo-nitzschia* species. the probes were placed on a microarray to be used in automated screening for toxic plankton species. The project resulted in publication Nrs. 54, 61, 66, 67, 70 and 74 in Annex 1.

Research Grants (cont.)

FP7 I-3 ASSEMBLE 2009-2012 Association of European Marine Biological Laboratories (ASSEMBLE) GA 227799; 01/03/2009-28/02/2013; € 79,500 (JRA) € 633.305 (TNA)

The principal outcome of a Joint Research Activity lead by me was the establishment of numerous cultures of planktonic microalgae, also several species new to science. The project resulted in publication Nrs. 48, 55, 57 and 64 in Annex 1.

Within ASSEMBLE, a travel grant (ca. € 4,464 for a collection trip to Chile) resulted in a large collection of *Chaetoceros* strains from Chile, which are used in the PhD thesis work of Chetan Gaonkar. Publications in preparation.

ERA-Biodiversa BioMarKS 2008-29765-62739-34;

Due to financial difficulties at MIUR funding was granted in the form of a project called "Approccio multitaxa allo studio delle risposte della biodiversità italiana al cambiamento climatico" (Biodiversitalia) 22/02/2012-22/08/2016); € 200,221.

Given my massive involvement in ppEMBRC, I transferred the responsibility for local coordination to Dr. Adriana Zingone.

The principal outcome was that High Throughput Sequencing Metabarcoding works excellently to describe species diversity in the plankton, and the discovery of a considerable proportion of hidden biodiversity in the plankton. The project resulted in publication Nrs. 65, 69 and 73 in Annex 1, and PhD theis of Chetan Gaonkar.

FP7-INFRASTRUCTURES-2020-1 European Marine Biological Resource Centre (EMBRC) GA-262280; 01/02/2011-31/01/2014; € 773,603

I formed part of the core writing team of proposers, and managed the project (leader of WP1). The project resulted in an EMBRC business plan and a Memorandum of Understanding, signed by nine member states, amongst these Italy. I am now the Director of the Italian node of EMBRC, member of the Committee of Nodes, and working in a core team to have the EMBRC established as a European Research Infrastructure Consortium.

H2020-INFRADEV-1-2014-1 European Marine Biological Research Infrastructure Cluster to promote the Blue Bioeconomy (EMBRIC) GA-654008; 01/06/2015-30/05/2019; € 409,437

I formed part of the core writing team of proposers, am involved in WP7 (Microalgae for Blue biotechnological approaches) and lead WP10 (transnational access provision to EMBRIC). I am the scientific responsible for SZN.

H2020 INFRADEV-1-2015-2 European Marine Biological Resource Centre preparatory phase 2 (pp2EMBRC) GA-689173; 2015-2016; € 59,000

I formed part of the core writing team of proposers and am involved in WP2. Member of steering committee. Task: preparation of the user access contract documentation. I am the scientific responsible for SZN.

H2020-INFRAIA-2016-2017 GA 730984 ASSEMBLE plus € 1,017,000

I was member of the 4-person proposal core writing team. Member of the Project Implementation Committee. Task: Coordinate the support of the Transnational Access program. I am the scientific responsible for SZN.

TRAINING AND SUPERVISION

Training courses given

At the level of master's and PhD students, post-doctoral researchers, life-long-learning
1985-1991. Assistant to Prof. Dr. C. van den Hoek at field courses in marine biology and phycology at the Station Biologique Roscoff, Roscoff, France
1998 and 1999. Marine Biology Field Courses for Princeton University Students, teaching phylogeny, STRI, Panama City, Panama
2004. "Molecular approaches in Marine Biology" within the Open University PhD course program conducted at SZN, Naples, Italy
2005, 2008 & 2015: Advanced Phytoplankton Course given at SZN, Naples, Italy
2005 & 2006: Marine Evolutionary and Ecological Genomics, summer course in Marine Genomics Europe, given at SZN, Naples, Italy.
2007, 2008 & 2009: Marine Evolutionary and Ecological Genomics, summer course in Marine Genomics Europe, given at SBR, Roscoff, France.
2007 - 2011: Erasmus courses: seaweed ecology and biodiversity at SBR-Roscoff, France
2015 - 2017: Phycology lecture series for Federico II master students (Docente del corso di Biologia delle Alghe presso l'Università degli Studi di Napoli Federico II, Corso di Laurea Magistrale "Biologia ed ecologia dell'ambiente marino ed uso sostenibile delle sue risorse" per l'anno accademico 2015/2016)

Supervision

PhD students past and present under my guidance

Dr. Brian S. Wysor, University of western Louisiana (Ph.D. 2002) co-supervisor since his stay at S.T.R.I. from 1998-1999. Topics: The marine macro-algal flora of the Republic of Panama, and molecular phylogenies of selected green algal genera. Supervisor: Prof. Dr. Suzanne Fredericq;

Dr. Heroen Verbruggen, University of Gent, Belgium. 2001-2005. External advisor. Topic: morphology, taxonomy and molecular phylogeny of *Halimeda*. Supervisor: Prof. Dr. E.C.C. Coppejans;

Dr. Nikolaos Andreakis, Open University, London - SZN. 2001-2005. Internal supervisor from Topic: phylogeography and population genetics of invasive macroalgae in the Mediterranean Sea;

Dr. Jung-Hee Levialdi Giron, University of Messina – SZN. 2004-2007. Topic: chloroplast inheritance of marine diatoms using sequence markers;

Dr. Sarah MacDonalds, Open University, London - SZN. 2003-2006. Internal Supervisor. Topic: cryptic and hidden diversity in the phytoplankton. ;

Dr. Sylvie V.M. Tesson, Open University, London - SZN. 2008-2010. Director of studies. Topic: population genetics of the planktonic pennate diatom *Pseudo-nitzschia multistriata*.

Dr. Deepak Nanjappa, Open University, London - SZN. 2010-2012. Internal supervisor. Topic: species diversity in the planktonic centric diatom genus *Leptocylindrus*.

Dr. Chetan C. Gaonkar, Open University, London – SZN. 2013-2016. Director of Studies. Topic: Phylogeny and diversity of the diatom family Chaetocerotaceae.

Dr. Solenn Mordret, Open University, London – SZN. 2015-2018. Internal supervisor. Topic: Integrated study of Dinoflagellate diversity in the Gulf of Naples.

Daniele De Luca, Open University, London – SZN. 2016-2019. Director of Studies. Topic: Biogeography and speciation in Chaetocerotaceae.

Post-doctoral researchers under my guidance:

Dr. Alexander Luedeking, SZN, Naples on a STREP grant from the EU program ESTTAL (2005-2008). Topic: generation and annotation of EST-library of toxic algae and generation and testing of the expression of these EST's using microarrays;

Dr. Lucia Barra, on MIDTAL grant 2009-2012: Topic: development of microarrays and molecular probes for the detection of harmful algal bloom species, with focus on the planktonic pennate diatom genus *Pseudo-nitzschia*;

Dr. Maria Valeria Ruggiero, on MIDTAL grant 2009-2012: Topic: diversity and microevolution of the planktonic pennate diatom genus *Pseudo-nitzschia*.

Dr. Raffaele Siano, on ASSEMBLE grant 2010-2012 Topic: diversity of protistan plankton: bringing the uncultured into culture.

Dr. Chetan C. Gaonkar, on internal SZN six-months grant 2017 to wrap up a PhD thesis into a series of publications.

Dr. Roberta Piredda, on H2020-INFRADEV-1-2014-1 European Marine Biological Research Infrastructure Cluster to promote the Blue Bioeconomy (EMBRIC) GA-654008; 12/03/2017 –

Project managers past and present under my guidance

Dr. Sandra Fernandes. On FP7-INFRASTRUCTURES-2020-1 European Marine Biological Resource Centre (EMBRC) GA-262280; 01/02/2011-31/01/2014

Dr. Davide Di Cioccio, on H2020 INFRADEV-1-2015-2 European Marine Biological Resource Centre preparatory phase 2 (pp2EMBRC) GA-689173; 2015-2016 and on H2020-INFRADEV-1-2014-1 European Marine Biological Research Infrastructure Cluster to promote the Blue Bioeconomy (EMBRIC) GA-654008; 01/06/2015-30/05/2019

Dr. Andrea Tarallo, on H2020-INFRAIA-2016-2017 GA 730984 ASSEMBLE plus and on the Joint Research Unit EMBRC-IT

PERSONAL SKILLS AND COMPETENCES

*Acquired in the course of life and career
but not necessarily covered by formal
certificates and diplomas.*

MOTHER TONGUE

DUTCH

OTHER LANGUAGES

- Reading skills
- Writing skills
- Verbal skills

ENGLISH	GERMAN	ITALIAN	FRISIAN	FRENCH	SPANISH
EXCELLENT	GOOD	GOOD	GOOD	BASIC	BASIC
EXCELLENT	GOOD	GOOD	FAIR	BASIC	BASIC
EXCELLENT	GOOD	GOOD	GOOD	FAIR	BASIC

SOCIAL SKILLS AND COMPETENCES

*Living and working with other people, in
multicultural environments, in positions
where communication is important and
situations where teamwork is essential
(for example culture and sports), etc.*

I have lived in the Netherlands, Germany, Panama and France and enjoyed the total immersion in the cultures of these countries thoroughly. In my professional career I have gained experience interacting with people from various cultural backgrounds, and gathered a global professional network of colleagues. Communicating with people in their own language helps greatly in establishing good relationships.

Experience gained through collaboration in, and coordination of, WP's in a series of EU research projects, in Networks of Excellence, as project manager in the Research Infrastructure project EMBRC.

Presentation of papers at numerous international and national scientific conferences, several of these as invited speaker. I enjoy speaking for large audiences (see list of presentations at meetings in Annex 3).

ORGANIZATIONAL SKILLS AND COMPETENCES

*Coordination and administration of
people, projects and budgets; at work, in
voluntary work (for example culture and
sports) and at home, etc.*

Supervision of PhD students (past), post doctoral researchers (past and present) secretarial and technical staff members, and an assistant project manager.

Planning and local coordination of research projects and WPs in Networks of Excellence (EU-project grant ALIENS, local coordination of a STREP project ESTTAL, coordination of a Responsive Mode Project MARPLAN within network of excellence MarBEF, coordination of a Joint Research Activity in the I3 project ASSEMBLE, coordination of a WP in the FP7 project MIDTAL, local coordination of ERA biodiversa project BioMarKs, the Italian support project BiodiversItalia, ESFRI Research Infrastructure projects ppEMBRC and pp2EMBRC, RI cluster project EMBRIC and ASSEMBLE Plus. For all these projects I was in the core writing team.

Project manager of ppEMBRC which has given me managerial experience, organizing and motivating people, getting things done in an organized but multi-tasking fashion; organizing and supervising complex international meetings within projects (EMBRC).

Committee work (also as chair) for planning of reorganization; Open University PhD studentship committee and seminar committee at SZN. Apart from that I have been asked on

several occasions to assess particular internal problems and propose solutions.

Chairperson of the Groninger Biologen Duikvereniging CALAMARI, a large scuba diving club; tasks included coordination of officers executing training programs, procurement and maintenance of diving material, finances and membership administration, convening and chairing general assemblies, representation and funds acquisition.

Directorships: from 30/01/2015 to 04/09/2018 managing director of the department RIMAR at SZN, and from 06/04/2016 onwards director of Italian node of EMBRC-ERIC JRU-EMBRC-IT

TECHNICAL SKILLS
AND COMPETENCES
*With computers, specific kinds of
equipment, machinery, etc.*

Computer (Mac) skills in a range of programs (microsoft, phylogenetics, sequence alignment), acquired during my career in science. Scuba diving, at the Groninger Biologen Duikvereniging CALAMARI, since then at STRI developed into Scientific diving.

Manuscript writing, Reviewing for several international peer reviewed journals, Editorial board membership of Marine Ecology, J. of Plankton Research, European J. of Phycology (past) Protist (present).

1984- Scuba Diving; 1985- Dutch Underwater Association diving certificate comparable to CMAS 2** certificate. Diving excursions in Denmark, the Netherlands, Brittany, Ireland, Spain, Portugal, Corsica, the Canary Islands, the Red Sea, the Seychelles, the Antilles, Pacific and Caribbean Panama, Colombia and the Great Barrier Reef. Many of these locations were visited during collection trips.

1985- Underwater photographer.

ARTISTIC SKILLS
AND COMPETENCES
Music, writing, design, etc.

Painting, design, under-water photography, exotic cuisine

OTHER SKILLS
AND COMPETENCES
Competences not mentioned above.

Horticulture in various climates (northern, Mediterranean and tropical)

Aquarium design, technical setup and maintenance, traveling, organization of travel, mountain walking, trekking,

DRIVING LICENCE

None

ADDITIONAL INFORMATION

Editorial Board of scientific journals:

Phycologia, 2007-2010
European Journal of Phycology, 2008-present
Marine Ecology, 2007-2009
Journal of Plankton Research: 2006-2009
Protist: 2015-Present

Society memberships and functions:

American Phycological Society; election committee member
International Phycological Society; chair of election committee
International Society for Diatom Research

Ph.D. Examinations

Examination of several PhD students in Italy (SZN, U. of Messina), Belgium, Norway.

Evaluation of Research Projects

Research project proposals evaluated for Dutch, French, German, Italian, Polish and US research councils. Information confidential.

Advisory Board Membership of International Organizations

Microbial Resources Research Infrastructure (ESFRI), in advisory board since 2014

References:

Dr. Adrianna **IANORA**
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AFFIDAVIT OF CERTIFICATION

I declare under penalty of perjury that the foregoing and the information provided in the Annexes are true and correct. I also declare that I am in possession of all the valid diplomas linked to the degrees listed in this curriculum. I also declare that I am in possession of a Ministerial Decree of the Direzione Generale per l'università - Ufficio X (MIUR) signed 18/02/04 by the General Director Dott.ssa Teresa Cuomo that my Dutch titles of Doctorandus (Masters Degree) and Doctorem (PhD) are recognized by MIUR and allow me to participate in Concorsi for researchers at public entities for research in Italy. This decree has been published in the Gazzetta Ufficiale della Repubblica Italiana

May 2nd, 2019, Naples,
Wiebe H.C.F. KOOISTRA

ANNEXES

ANNEX 1: Literature list

Annex 2: Citation reports

ANNEX 3: Italian and international meetings where I presented papers

Annex 1: Literature list

Peer-reviewed publications:

1. De Vries, O.M.H., **Kooistra, W.H.C.F.** & Wessels, J.G.H. (1986). Formation of an extracellular laccase by a *Schizophyllum commune* dikaryon. *Journal of Genetic Microbiology* 132: 2817-2826. **Cited 68 times.**
2. **Kooistra W.H.C.F.**, Joosten, A.M.T., & Van den Hoek C. (1989). Zonation patterns in intertidal pools, their possible causes – A multivariate approach. *Botanica Marina* 32: 9-26. **Cited 27 times.**
3. **Kooistra, W.H.C.F.**, Boele-Bos, S.A. & Stam, W.T. (1991). A method for obtaining axenic algal cultures using the antibiotic cefotaxime with emphasis on *Cladophoropsis membranacea* (Chlorophyta). *Journal of Phycology* 27: 656-658. **Cited 10 times.**
4. **Kooistra, W.H.C.F.**, Boele-Bos, S.A., Stam, W.T. & Van den Hoek, C. (1992). Biography of *Cladophoropsis membranacea* (Siphonocladales, Chlorophyta) as revealed by single copy DNA distances. *Botanica Marina* 35: 329-336. **Cited 6 times.**
5. **Kooistra, W.H.C.F.**, Stam, W.T., Olsen, J.L. & Van den Hoek, C. (1992). Biography of the green alga *Cladophoropsis membranacea* (Chlorophyta) based on nuclear rDNA ITS-sequences. *Journal of Phycology* 28: 660-668. **Cited 110 times.**
6. **Kooistra, W.H.C.F.**, Olsen, J.L., Stam, W.T. & Van den Hoek, C. (1993). Problems relating to species sampling in phylogenetic studies: an example of non-monophyly in *Cladophoropsis* and *Struvea* (Siphonocladales, Chlorophyta). *Phycologia* 32: 419-428. **Cited 29 times.**
7. Medlin, L.K., Gersonde, R., **Kooistra, W.H.C.F.** & Wellbrock, U. (1996). Evolution of the Diatoms (Bacillariophyta). II. Nuclear-encoded small-subunit rRNA sequence comparisons confirm a paraphyletic origin for the centric diatoms. *Molecular Biology and Evolution* 13: 67-75. **Cited 86 times.**
8. **Kooistra, W.H.C.F.** & Medlin, L.K. (1996). The evolution of the diatoms (Bacillariophyta): IV. A reconstruction of their age from small subunit rRNA coding regions and the fossil record. *Molecular Phylogenetics and Evolution* 6: 391-407. **Cited 93 times.**
9. Medlin, L.K., **Kooistra, W.H.C.F.**, Gersonde, R. & Wellbrock, U. (1996). Evolution of the Diatoms (Bacillariophyta). Molecular evidence for the origin of the Thalassiosirales. *Nova Hedwigia* 112: 221-234. **Cited 40 times.**
10. Chesnick, J. M., **Kooistra, W.H.C.F.**, Wellbrock, U., & Medlin, L.K. (1997). Ribosomal RNA analysis indicates a benthic pennate diatom ancestry for the endosymbionts of the dinoflagellates *Peridinium foliaceum* and *Peridinium balticum* (Pyrrhophyta). *Journal of Eukaryotic Microbiology* 44: 314-320. **Cited 104 times.**
11. Medlin L.K., **Kooistra, W.H.C.F.**, Gersonde, R., Sims, P.A. & Wellbrock, U. (1997). Mini-review: is the origin of the diatoms related to the end-Permian mass extinction? *Nova Hedwigia* 65: 1-11. **Cited 34 times.**
12. Medlin L.K., **Kooistra, W.H.C.F.**, Potter, D., Saunders, G.W. & Andersen, R.A. (1997). Phylogenetic relationships of the 'golden algae' (haptophytes, heterokont chromophytes) and their plastids. *Plant Systematics and Evolution* [Suppl.] 11: 187-219. **Cited 71 times.**
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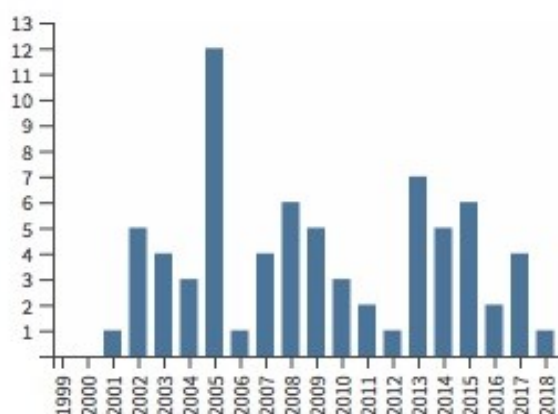
Review papers in Books:

1. **Kooistra, W.H.C.F.** (1993) Historical biogeography in tropical Atlantic populations of *Cladophoropsis membranacea* and related species. PhD. Thesis.
2. Coppejans, E.G.G., **Kooistra, W.H.C.F.** & Audiffred, P.A.J. (1994). Report on the research on macroalgae. In: Van der Land, J. (ed.) *Oceanic reefs of the Seychelles*. National Museum of Natural History, Leiden, The Netherlands. pp 157-182.
3. Medlin L.K., **Kooistra, W.H.C.F.** & Schmid, A-M. M. (2000). A review of the evolution of the diatoms – a total approach using molecules, morphology and geology. In: Witkowski, A. and Sieminska, J. (Eds) *The origin and early evolution of the diatoms: fossil, molecular and biogeographical approaches*. W. Szafer Institute of Botany, Polish Academy of Sciences, Cracow., pp 13-35.
4. **Kooistra W.H.C.F.**, Chepurinov, V., Medlin, L.K., De Stefano, M., Sabbe, K., and Mann, D. G., (2006). The phylogeny of the Diatoms. In: A. K. Sharma and A. Sharma (Eds.), *Plant genome: biodiversity and evolution*. Science Publishers, Enfield, NH, USA, pp 117-178. **Cited 4 times.**
5. **Kooistra, W.H.C.F.**, De Stefano, M., Mann, D.G. & Medlin, L.K. (2003). The phylogeny of the diatoms. In: Mueller, W.E.G. (Ed.) *Silicon Biomineralization. Progress in Molecular and Subcellular Biology*. 33: 59-97. **Cited 5 times.**
6. **Kooistra W.H.C.F.**, Gersonde R, Medlin L.K. & Mann D.G. (2007). The origin and evolution of the diatoms: their adaptation to a planktonic existence. In: Paul G. Falkowski and Andrew H. Knoll (Eds). *Evolution of Primary Producers in the Sea*. Academic Press, Inc. pp. 207-249. **Cited 109 times.**

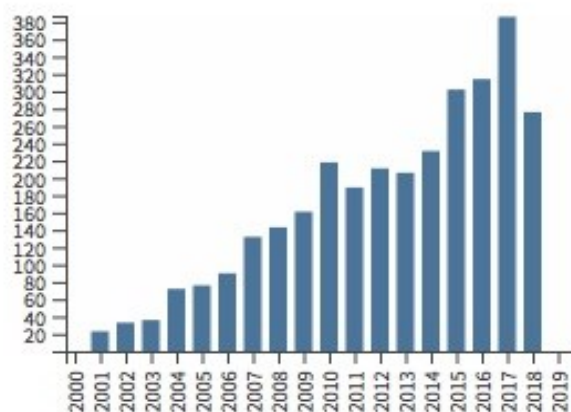
7. **Kooistra, W.H.C.F.** (2007). The Evolution of the Diatoms. In: E. Bäuerlein (Ed). Handbook of Biomineralization , Vol. 1. Wiley GCV Verlag & Co, Weinheim. Pp. 95-111. **Cited 1 time.**
8. Penna, A., **Kooistra, W.H.C.F.**, Procaccini, G., Cerino, F. (2010) Capitolo 27. Metodi molecolari per l'analisi del fitoplancton marino. In: Socal, G., Buttino, I, Cabrini, M., Mangoni, O., Penna, A., Totti, C. (Eds). Metodologie di Studio del Plancton Marino. ISPRA. Pp. 287-308. ISBN: 978-88-448-0427-5
9. Not, F., Siano, R., **Kooistra, W.H.C.F.**, Simon, N., Vaultot, D., Probert, I. (2012). Diversity and ecology of eukaryotic marine phytoplankton. In: Advances in Botanical Research, genomic insights into the biology of algae, Vol 64, Piganeau G, Jacquot J-P, Gadal P. (Eds) pp 1-53. **Cited 36 times.**
10. **Kooistra, W.H.C.F.**, Pohl, G. (2015) Diatom frustule morphology and its biomimetic applications in architecture and industrial design. In: C. Hamm (Ed). Evolution of lightweight Structures: Analysis and Technical Applications. Biologically-Inspired Systems, Vol. 6, Springer, pp 75-102.
11. Sakka Hlaili, A., Sahraoui Khalifa, I., Bouchouich-Smida, D., Melliti Garali, S., Ksouri, J., Chalghaf, M., Bates, S.S., Lundholm, N., **Kooistra, W.H.C.F.**, de la Iglesia, P., Diogène, J. (2016). Toxic and potentially toxic diatom blooms in Tunisian (SW Mediterranean) waters: review of ten years of investigations In: J.A. Daniels (Ed). Advances in Environmental Research Vol 48. Nova Publishers, New York. Pp. 51-70.
12. Nardello, I., Villanueva, A., Kloreg, B., Kooistra, W.H.C.F., Borra, M., Salvaudon, L, Berkowicz, S., Merciecca, M. (2017) EMBRC-ERIC Business Plan Update, 2017.
13. Piña, M., Colas, P., Cancio, I., Audic, A., Bosser, L., Canario, A., Gribbon, P., Johnston, I.A., Kervella, A.E., **Kooistra, W.H.C.F.**, Merciecca, M., Magoulas, A., Nardello, I., Smith, D., Pade, N., Robinson, D., Schoen, A., Schultz, F., Kloreg, B. (2018) The European Marine Biological Research Infrastructure Cluster: An Alliance of European Research Infrastructures to Promote the Blue Bioeconomy. In: Rampelotto, P.H., Trincone, A. (Eds.). Grand Challenges in Marine Biotechnology. https://doi.org/10.1007/978-3-319-69075-9_10 Springer International Publishing AG

**Annex 2: Citation reports (on 13/09/2018):
ISI web of Science**

Published Items in Each Year from 2001 onwards



Citations in each year from 2001 onwards



The latest 20 years are displayed.

Scientometric indicator	value	source
Nr of ISI publications:	86	ISI
H-index:	31	ISI
Total number of citations:	3300	ISI
Average number of citations per article:	38.37	(3300/86)
Nr of Google scholar publications:	96	Google scholar
H-index:	42	Google scholar
Total number of citations:	5447	Google scholar
Average number of citations per article:	56.74	(5447/96)

Annex 3: International meetings where I presented papers-talks:

- 1993 Evolution meeting, Perpignan, France
1995 PSA-conference, Breckenridge, Colorado (USA),
1995 International Phycological Congress, Cologne, Germany
1996 PSA-conference, Santa Cruz, California (USA)
1997 International Phycological Congress, Leiden, The Netherlands
1998 PSA-conference, Flagstaff, Arizona (USA)
1999 XVI International Botanical Congress, St. Louis, Missouri (USA)
2000 Picodif-workshop on detection of picoplankton, Roscoff, France
2000 PSA-conference, San Diego, California, (USA)
2001 Invited speaker, AMSA-NZMSS Joint Conference, Townsville, Australia
2001 Invited speaker, 7th International Phycological Congress, Thessaloniki, Greece
2001 Anton Dohrn Workshop on genome evolution, Ischia, Italy
2002 Molecular probe technology for the detection of harmful algae, MRI, Galway, Ireland
2002 Molecular Evolution, Sorrento, Naples, Italy
2003 EuroHab meeting, Amsterdam, the Netherlands
2003 European Phycological Conference, Belfast, UK
2004 ISDR-meeting Miedzyzdroje, Poland
2005 Symposium organizer & invited speaker 8th IPC Durban, South Africa
- 2006 Invited speaker at NSF-meeting at Rutgers University “The Evolution of Aquatic Photo-
autotrophs,” New Brunswick, New Jersey (USA)
2006 Invited speaker at MarBEF meeting University of Salento, Lecce, Italy
2006 American Phycological Conference, Juneau, Alaska
2006 MGE meeting Sorrento, Italy
- 2007 MarBEF general assembly, Gdansk, Poland
2007 BioMarKs (EU project) writing meeting, UPMC-Paris, France
2007 EPC meeting Oviedo, Spain
- 2008 NoE project preparation meeting MarBEF, Roskilde, Denmark (19-20/05)
2008 PlanktonTech Kickoff meeting Bremerhaven, Germany (16-21/06)
2008 ISDR- meeting Dubrovnik, Croatia (07-16/09)
2008 Symposium organizer at MarBEF World Conference on Biodiversity, Valencia, Spain (11-15/11)
2008 MarBEF responsive mode project working group meeting, Villefranche sur mer, France (4-5/12)
- 2009 Kickoff meeting EU project MIDTAL, Bremerhaven, Germany (16-21/02)
2009 ASSEMBLE PIC meeting, Roscoff, France (24/03)
2009 BioMarKs Kick-off meeting, Roscoff, France (9-11/06))
2009 ASPB-PSA joint meeting, Honolulu, Hawaii (18-22/07)
2009 Heterokont tree of life advisory board meeting, Honolulu, Hawaii (23/07)
2009 MIDTAL project meeting Kalmar, Sweden (14-16/09)
2009 ESFRI project EMBRC writing meeting, Paris, France (17-19/09)
2009 EMBO workshop EVO-DEVO meets Marine Ecology, Ischia, Italy (9-11/10)
2009 Global Marine Biology network meeting, MARS-directors meeting and MarBEF General
Assembly, Naples, Italy (30-31/10)
- 2010 BioMarKs Proof-of-concept Meeting, Roscoff, France (26-27/04)
2010 3rd EU workshop Exchange of Experiences between Preparatory Phase Projects, Brussels,
Belgium (28/05)
2010 Invited speaker, Seminar BAH Helgoland, Germany (28/06 – 01/07)
2010 ASSEMBLE PIC-meeting, Kristineberg, Sweden (24-25/11)
- 2011 Environmental changes and the evolution of marine ecosystems, TARA Oceans, SZN, Naples,
Italy (06-07/06)

2011 "The future of the 21st century ocean" Marine Sciences and European RIs, Brest, France (28/07-01/08)

2011 Conference Marine Resources and Beyond, Invited speaker, AWI, Bremerhaven, Germany (05-07/09)

2011 Biological and Medical Sciences ESFRI (BMS) Workshop, Amsterdam, The Netherlands (19/09)

2011 EMTRAIN Strategic Coordination Board Meeting, Basel, Switzerland (21/09)

2011 EMBRC working group meeting and steering committee meeting, The National marine Aquarium, MBA, Plymouth, UK, (13-14/10)

2011 7th Meeting of the Expert Group on Marine Research Infrastructure, Brussels, Belgium (14-15/11)

2011 Lisbon Atlantic Conference, presentation EMBRC, Lisbon, Portugal (28-29/11)

2011 BMS Coordinators meeting, Frankfurt Airport, Germany (16/12)

2012 EMBRC Steering Committee meeting Faro, Portugal ((09-10/01)

2012 EuroMarine General Assembly, Bremen, Germany (16-20/01)

2012 EMBRC SC meeting UPMC, Paris France (07-10/02)

2012 CPMR-EMBRC meeting, Brussels, Belgium (28-30/03)

2012 Invited speaker at ASPERA meeting, NIKHEF, Amsterdam, the Netherlands (23-28/05)

2012 ESFRI BMS Coordinators meeting, Paris, France (06/06)

2012 EMBRC WPC-IAB-SC meeting St Andrews, UK (03-05/07)

2012 BMS RI group meeting EMBRC UPMC, Paris, France (06/07)

2012 EMBRC Retreat with SC members EMBRC, Roscoff, France (20-24/08)

2012 ESFRI BMS workshop and BMS H2020 working Breakfast @ EU, Brussels, Belgium (16/10)

2012 16th SC meeting, RUG meeting EMBRC - ASSEMBLE meeting, Faro, Portugal (21-25/10)

2012 17th Steering Committee meeting and national stakeholder meeting EMBRC, Paris, France (13-15/11)

2012 BioMarkS Meeting, Natural History Museum, London, UK (27-30/11)

2012 BMS Coordinators Meeting, Munich Airport, Germany (10/12)

2013 EMBRC Steering Committee meeting, Paris, France (29-30/01)

2013 CSA MarineBiotech Conference, Brussels, Belgium (11-12/03)

2013 Joint meeting between the BSPB and the Linnaean Society, NHM, London, UK (10-12/04)

2013 EMBRC SC meeting and General Assembly meeting, Lisbon, Portugal (23-26/04)

2013 Marine biological RI interaction workshop, HCMR, Crete, Greece (28-30/05)

2013 EC –DG Research and Innovation workshop on ESFRI BMS RI's, Brussels, Belgium (09/06)

2013 EMBO Diatom meeting, Paris, France (11-12/06)

2013 BMS coordinator meeting London Heathrow, UK (30/06-03/07)

2013 EMBRC SC meeting, Gothenburg, Sweden (26-30/08)

2013 EU workshop on Arctic and Marine Research Infrastructures, CNR, Rome, Italy (17-17/09)

2013 Invited speaker at MarBiGen Conference, HCMR, Crete, Greece (7-9/10)

2013 Invited speaker at PUC seminar series, Santiago de Chile and at ECIM, Las Cruces, Chile (15/10-15/11)

2013 BMS coordinator meeting and Biomedbridges Executive steering committee meeting, EBI Hinxton, UK (12-13/12)

2013 EMBRC national & regional stakeholder meeting, Brussels, Belgium (17/12)

2014 Invited speaker at LifeWatch meeting, Bari, Italy (29-31/01)

2014 Extraordinary ESFRI BMS RI meeting to discuss H2020 Cluster project opportunities, Amsterdam, The Netherlands (12/02)

2014 2nd biomedbridges-annual-general-meeting, Florence, Italy (10-11/03)

2014 BMS INFRADEV-4 meeting, Amsterdam Airport, The Netherlands (28/04)

2014 ENVRI INFRADEV-4 meeting, Vienna, Austria (29/04)

2014 First meeting of the EMBRC Implementation Board, Brussels Belgium (14/05)

2014 EMBRC RI meeting, & writing meeting INFRADEV-4 call H2020, Darwin House, London, UK (01-03/06)

- 2014 Invited speaker at MIRRI midterm review meeting, Schiphol, the Netherlands (18-20/06)
- 2014 BMS coordinators meeting, Tegel Airport, Berlin, Germany (27/06)
- 2014 pp2EMBRC writing meeting, Roscoff, France (13-15/08)
- 2014 Invited speaker at IFIB bio-economy workshop, Genoa, Italy (25-26/09)
- 2014 Invited speaker at the Mares Conference, Marine Ecosystems Health and Conservation, Olhao, Portugal (17-21/11)
- 2014 Invited speaker at Second MRCs Heads Meeting & Workshop on Communication Approaches to Bioindustry. Schiphol, The Netherlands (11-12/12)
- 2014 Invited speaker at Italian-German Cooperation in Biological and Medical Research Infrastructures, Italian Embassy, Berlin, Germany (16-17/12)
- 2014 Invited speaker at 2nd MIRRI MRCs Heads Meeting & Workshop on Communication Approaches to Bioindustry, Amsterdam, The Netherlands (11-12/12)
- 2015 pp2EMBRC project proposal writing meeting, Faro, Portugal (07-09/04)
- 2015 European Phycological Conference, London, GB (23-28/08)
- 2015 EMBRIC kick-off meeting, Paris, France (17-18/09)
- 2015 Pp2EMBRC kick-off meeting, Paris, France (12-13/10)
- 2015 Riunione Algologia Italiana, Venezia, Italy, (06-07/11)
- 2015 EMBRC EIB meeting Bilbao, Workshop pp2-EMBRC Bilbao, 2nd EMBRC CoN meeting, Plentzia Marine Station (PiE-UPV/EHU), Plentzia, Spain (16-18/11)
- 2015 Project writing meeting INFRAIA (ASSEMBLE+), Faro, Portugal (14-18/12)
- 2016 XII EIB EMBRC and INFRAIA meeting, Eilat, Israel (25/01-01/02)
- 2016 INFRAIA ASSEMBLE+ core writing team meeting, Paris, France (24-26/02)
- 2016 BMS RI Coordinators Retreat, Chicheley Buckinghamshire, UK (20- 21/04)
- 2016 Invited Speaker at Genomics Standards Consortium Workshop, Heraklion, Crete (12-15/06)
- 2016 General Assembly Kickoff meeting Naples, Italy (12-14/09)
- 2016 Invited Speaker at ERA-NET Marine Biotechnology Stakeholder workshop, Hotel Marivaux, Brussels, Belgium (13-14/10)
- 2017 Invited speaker MABIK International Conference: Conservation and Sustainable Use of Marine Biodiversity, Seocheon, Korea (17-18/04)
- 2017 Invited speaker and teacher, SAHFOS EuroMarine Phytoplankton Identification Workshop. MBA and SAHFOS, Plymouth UK (12-15/07)
- 2017 IPC 11 Stettin, Poland, and International Organising Committee (13-19/08)
- 2017 Invited speaker, AWI Symposium High Throughput methods in marine biodiversity time series, Hannover, Germany (11-13/10)
- 2019 Keynote speaker, 12th Central European Diatomist Symposium Luxembourg (26-27/03)

Apart from these scientific meetings I have attended – and organized – numerous managerial and coordination meetings of the research projects ALIENS, ASSEMBLE, BioMarKs, ESTTAL, MIDTAL, the NoE's MARBEF, the ESFRI RI project EMBRC; H2020 EMBRIC, pp2EMBRC, ASSEMBLE Plus and the Biological and Medical Sciences (BMS) and the Environmental (ENVRI) working groups in ESFRI. For the latter two I have participated at board meetings of ESFRI, the EC, and various EMBRC sister RI's.