

PERSONAL INFORMATION

Romina Kraus

 Rudjer Boskovic Institute, Center for Marine Research, G. Paliaga 5, 52210 Rovinj, Croatia

 +385 52 804 746 fax 052 804 780

 kraus@cim.irb.hr

 <https://scholar.google.com/citations?user=Em7OWpgAAAAJ&hl=en>

 <https://www.bib.irb.hr/pregled/znanstvenici/242363?autor=242363>

 <https://www.irb.hr/eng/About-RBI/People/Romina-Kraus>

Sex female | Date of birth 06/03/1972 | Nationality Croatian

WORK EXPERIENCE

2018 -

SENIOR RESEARCH ASSOCIATE in the Center for Marine Research (CMR) at the Ruđer Bosković Institute (RBI) in Rovinj currently included in two projects:

- national scientific research project financed by the National Foundation for Science, Higher Education and Technological Development of the Republic of Croatia, “Ecological response of northern Adriatic to climatic changes and anthropogenic impact” (EcoRENA) - research is focused on investigation of hydrographical biological parameters and ecosystem analysis (27.3.2017. – 26.11.2021.)
- national structural project financed by European Structural and investment funds, within Operational programme Competitiveness and Cohesion 2014-2020, “Development of system for control and defence from introduction of alien species” – in Croatian: “Razvoj sustava kontrole i obrane luka od unosa stranih vrsta” (ProtectAS) as coordinator for RBI, expert team lead and lead of investigation (1.6.2020. – 31.5.2023.).

2008 - 2018

RESEARCH ASSOCIATE in the Laboratory for Processes in Marine Ecosystems as coordinator for RBI and with parameter phytoplankton ecology on the strategic international project:

- IPA ADRIATIC programme „Ballast Water Management System for Adriatic Sea Protection“ (BALMAS, 2013 – 2016),

with parameter phytoplankton ecology on the scientific inter/national projects:

- Croatian monitoring project “Implementation of the Water Quality Monitoring in the Western Istrian Coastal Sea (Northern Adriatic; WICOS)” (2008-2009)
- National monitoring project „Coastal cities water pollution control project IBRD 7226/HR; Part C1: Strengthening of coastal water monitoring network (2007–2009)
- National scientific research project “Mechanism of long-term changes in the northern Adriatic ecosystem” (2007–2012)
- International scientific research project “Realization of an integrated monitoring system of the quality of Adriatic Sea, with particular regard to eutrophication and mucilages phenomena” (2005–2008)
- Croatian National Monitoring Programme “Systematic Research of the Adriatic Sea as a Base for Sustainable Development of the Republic of Croatia” (1998-2010)

on national expert project:

- Baseline study of seawater state, part for Northern Adriatic, coordinator for Phytoplankton and Dinoflagellate cysts in CIM, Rovinj (2011), and

national scientific research project financed by the National Foundation for Science, Higher Education and Technological Development of the Republic of Croatia “Ecological response of northern Adriatic to climatic changes and anthropogenic impact” (2017 – 2021), at the Ruđer Bosković Institute, Center for Marine Research (CMR), Rovinj.

Work includes field work on research vessel, laboratory work, data analysis and presentation, and resulted with 16 scientific papers reported in journals reported by ISI Current Contents

(see Annex, CC paper 10-25 in 2009-2010, 2012, 2015-2016, 2018 and 2019), one book chapter (see Annex, book chapter) and 18 international conferences (see Annex, conferences 13-30 in 2008-2011 and 2013-2019).

Specifically, research focus over the past years is:

(1) seasonal variability and long-term changes of phytoplankton in relation to sea dynamics and environmental and atmospheric conditions with special insight in bloom mechanisms, (2) physiology of microphytoplankton community corresponding to environmental characteristics and nutrients in the northern Adriatic, (3) coupling of sea dynamics, environmental and atmospheric conditions at bioproduction in the Adriatic (phytoplankton, zooplankton and fish) with prediction of Adriatic anchovy stock based on autumnal and winter conditions in northern Adriatic, (4) case study of mucilage event in 1997 *per se* and as model of sea currents impacts at marine particle dynamics, and (5) ballast waters as vector of non-indigenous species and setting base for following guidelines on BWM Convention from 2004 (IMO) in the Adriatic (project BALMAS).

2005 - 2008 SENIOR RESEARCH ASSISTANT in the Laboratory for Processes in Marine Ecosystems with parameter phytoplankton ecology on the scientific inter/national projects:

- National monitoring project „Coastal cities water pollution control project IBRD 7226/HR; Part C1: Strengthening of coastal water monitoring network (2007–2009)
- National scientific research project “Mechanism of long-term changes in the northern Adriatic ecosystem” (2007–2012)
- International scientific research project “Realization of an integrated monitoring system of the quality of Adriatic Sea, with particular regard to eutrophication and mucilages phenomena” (2005–2008)
- National scientific research project “Mechanisms of long-term changes in the northern Adriatic ecosystem” (2002–2007)
- Croatian National Monitoring Programme “Systematic Research of the Adriatic Sea as a Base for Sustainable Development of the Republic of Croatia” (1998-2010)

and on national expert project:

- Environmental impact assessment for the project Družba Adria, The Sea, with parameter phytoplankton in the Northern Adriatic (2003–2005)

at the Ruđer Bosković Institute, Center for Marine Research, Rovinj.

Work included field work on research vessel, laboratory work, data analysis and presentation, and resulted with one scientific papers reported in journals reported by ISI Current Contents (see Annex, CC paper 9 in 2007) and five international conferences (see Annex, conferences 8-12 in 2006-2007).

Specifically, research focus was at: (1) ecology of microphytoplankton in the northern Adriatic in context of eutrophication and mucilage events, (2) microphytoplankton community composition and distribution in the northern Adriatic with special reference at identification of possible indicator species in the northern Adriatic, and (3) long-term changes of microphytoplankton in the northern Adriatic in context of the food web.

2001 – 2005 RESEARCH ASSISTANT in the Laboratory for Processes in Marine Ecosystems with parameter phytoplankton ecology on the scientific inter/national projects:

- International scientific research project “Realization of an integrated monitoring system of the quality of Adriatic Sea, with particular regard to eutrophication and mucilages phenomena” (2005–2008)
- International scientific research project “Biophysical Aspects of Macroaggregate Formation in the Northern Adriatic” (2003)
- National scientific research project “Mechanisms of long-term changes in the northern Adriatic ecosystem” (2002–2007)

- International scientific research project “Formation processes of mucilage in the Adriatic and Tyrrhenian (MAT)” (2001–2002)
 - National scientific research project “Processes of production and transformation of the organic matter in the Adriatic Sea” (2001–2002)
 - Croatian National Monitoring Programme “Systematic Research of the Adriatic Sea as a Base for Sustainable Development of the Republic of Croatia” (1998-2010)
- and on national expert project:
- Environmental impact assessment for the project Družba Adria, The Sea, with parameter phytoplankton in the Northern Adriatic (2003–2005)
- at the Ruđer Bosković Institute, Center for Marine Research, Rovinj.

Work included field work on research vessel, laboratory work, data analysis and presentation, and resulted with Ph.D. Thesis: “Microphytoplankton in the northern Adriatic during mucilage event”. Active participation in preparations of 7 scientific papers reported in journals reported by ISI Current Contents (see Annex, CC papers 5-8 in 2005) and in SCI (see Annex, WoSCC papers 2-4 in 2004) and five international conferences (see Annex, conferences 3-7 in 2003-2005).

Specifically, research focus was at: (1) ecology of microphytoplankton in the northern Adriatic, (2) long-term changes of microphytoplankton in the northern Adriatic, (3) impacts of eutrophication at microphytoplankton, and (4) especially, at microphytoplankton role in the mucilage event, unusual phenomena characteristic for this region.

- 1997 - 2001 VOLUNTEER in the Laboratory for ecological modelling on the Croatian national monitoring program: “Systematic investigation of the Adriatic Sea as the basis for the sustainable development of the Republic of Croatia” (project JADRAN, 1998-2010)
- at the Rudjer Boskovic Institute, Division for Marine and Environmental Research, Zagreb.

Work included field work on research vessel, laboratory work, data analysis and presentation, and resulted with M. Sc. Thesis „Suspension of unicellular algae applied in electrochemical analysis of marine particles”. Active participation in preparations of scientific publications for presentation of results in one scientific journal reported by ISI Current Contents (CC) in 2000 (see Annex, CC paper 1) and at two international conferences, in 1998 and 2001 (see Annex, conferences 1-2).

Specifically: seasonal, vertical and horizontal distribution of surface active particles in the northern Adriatic Sea analysed by the use of mercury dropping electrode as an adhesion sensor and *Dunaliella tertiolecta* algal cells as a model organism.

EDUCATION AND TRAINING

2005	<p>PhD degree in Science, Biology Faculty of Science & Mathematics (Department of Biology) University of Zagreb, Ruđer Bošković Institute, Zagreb, Croatia</p>	EQF level 8
2001	<p>MS degree in Science, Postgraduate study of Oceanology Faculty of Science & Mathematics (Department of Biology) University of Zagreb, Ruđer Bošković Institute, Zagreb, Croatia</p>	EQF level 7
1996	<p>BSc in Biology, Ecology Faculty of Science & Mathematics (Department of Biology) University of Zagreb, Ruđer Bošković Institute, Zagreb, Croatia</p>	EQF level 6

PERSONAL SKILLS

Mother tongue(s)

Croatian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Italian	A1	A1	A1	A1	A1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills

Good communication skills gained through my experience in coordination of RBI in the international project „Ballast Water Management System for Adriatic Sea Protection“ (acronym BALMAS - IPA ADRIATIC programme) with colleagues in RBI and with international scientific community.

Organisational / managerial skills

- leadership in role of coordinator for RBI in international strategic project „Ballast Water Management System for Adriatic Sea Protection“ (BALMAS - IPA ADRIATIC programme), responsible for a team of 14 people
- organisation of field work in general and specifically for project BALMAS
- participation in organisation committee of the international conference 46th European Marine Biology Symposium held in Rovinj, Croatia, 12 – 16 September 2011

Job-related skills

- reviewed several scientific papers for national/international journals
- participated in project proposals as main coordinator, RBI coordinator or team member
- education activities: University Undergraduate Study - Program of Marine Sciences organized by Juraj Dobrila University of Pula and Rudjer Boskovic Institute with two mandatory courses: Algology (with PhD Lj. Iveša), Ecology and Marine Ecology (with PhD A. Travizi;) and for several years in one optional: Harmful Phenomena in the Sea (with PhD D. Degobbis and PhD T. Đakovac)

Computer skills

- Text and data processing (Word, excel), data archiving (Paradox), graphics (Grapher), statistical data processing (Systat, Primer), presentation preparation (PowerPoint, Corel) and photography (Photoshop)

Driving licence

- B

ADDITIONAL INFORMATION

Publications

Published 25 scientific papers: 22 scientific papers in journals reported by ISI Current Contents (CC) and 3 in WoSCC. Book Chapter. Other scientific publications include proceedings with international review at international symposia, 56 in total.

Presentations

30 participations at international symposia with 8 personal oral communications. Many oral presentations at international meetings/workshops.

Popularisation of science – participation at Open Days of RBI in Zagreb in 2015 and at Blue Day in 2016 with oral presentations. Info Day on project BALMAS in 2016.

Projects

Scientific/strategic/structural/monitoring - participated in 8 national and 4 international projects, coordinator for RBI at international structural project (BALMAS) and national strategic project (ProtectAS).

Expert – participated in 2 national projects.

Regional cooperation – presenting CMR/RBI in Istrian coordination group of scientific and research institutions and functional related institutions (IstraLab - <http://istralab.istra-istria.hr/hr/>).

Conferences

Participation at 30 international conferences with oral/poster presentations, personal oral presentation at 8, at other actively participated in preparation of presentations.

Honours and awards

Ruđer Bošković Annual Award for the best scientific paper published in 2015 in CMR.

Scientific work recognition: "Science for Environment Policy": European Commission DG Environment News Alert Service, edited by SCU, The University of the West of England, Bristol.

Memberships

Member of Croatian biological society.

ANNEXES

LIST OF SCIENTIFIC PUBLICATIONS

PROJECTS PARTICIPATION

LIST OF REPORTS

LIST OF SCIENTIFIC PUBLICATIONS

Scientific papers

24. Di Poi, E., **Kraus, R.***, Cabrini, M., Finotto, S., Flander-Putrlle, V., Grego, M., Kužat, N., Ninčević Gladan, Ž., Pezzolesi, L., Riccardi, E., Bernardi Aubry, F., Bastianini, M. 2019. Dinoflagellate resting cysts from surface sediments of the Adriatic Ports: distribution and potential spreading patterns. *Marine Pollution Bulletin*. 147, 185-208.
23. **Kraus, R.***, Grilli, F., Supić, N., Janeković, I., Brailo, M., Cara, M., Bratoš Cetinić, A., Campanelli, A., Cozzi, S., D'Adamo, R., Djakovac, T., Dutour-Sikirić, M., Flander Putrlle, V., Francé, J., Joksimović, D., Klun, K., Kolitari, J., Kralj, M., Kušpilić, G., Marini, M., Matic, F., Mikus, J., Ninčević-Gladan, Ž., Pansera, M., Pećarević, M., Precali, R., Prusina, I., Relitti, F., Santucci, A., Specchiulli, A., Škalic, D. 2019. Oceanographic characteristics of the Adriatic Sea – support to secondary HAOP spread through natural dispersal. *Marine Pollution Bulletin*. 147, 59-85.
22. **Kraus, R.***, Ninčević-Gladan, Ž., Auriemma, R., Bastianini, M., Bolognini, L., Cabrini, M., Cara, M., Čalić, M., Campanelli, A., Cvitković, I., Despalatović, M., Dragičević, B., Drakulović, D., Dulčić, J., Flander-Putrlle, V., Grati, F., Grego, M., Grilli, F., Jaklin, A., Janeković, I., Kolitari, J., Lipej, L., Magaletti, E., Marini, M., Matic-Skoko, S., Mavrič, B., Mikuš, J., Mozetič, P., Orlando-Bonaca, M., Petović, S., Precali, R., Supić, N., Trabucco, B., Travizi, A., Žuljević, A. 2019. Strategy of port baseline surveys (PBS) in the Adriatic Sea. *Marine Pollution Bulletin*. 147, 47-58.
21. Luna, G.M.*, Manini, E., Turk, V., Tinta, T., D'Errico, G., Baldrighi, E., Baljak, V., Buda, D., Cabrini, M., Campanelli, A., Cenov, A., Del Negro, P., Drakulović, D., Fabbro, C., Glad, M., Grilec, D., Grilli, F., Jokanović, S., Jozić, S., Kauzlarić, V., **Kraus, R.**, Marini, M., Mikuš, J., Milandri, S., Pećarević, M., Perini, L., Quero, G.M., Šolić, M., Vukić Lušić, D., Zoffoli, S., 2019. Status of faecal pollution in ports: A basin-wide investigation in the Adriatic Sea. *Marine Pollution Bulletin*. 147, 219-228.
20. Mozetič, P.*, Cangini, M., Francé, J., Bastianini, M., Bernardi Aubry, F., Bužančić, M., Cabrini, M., Cerino, F., Čalić, M., D'Adamo, R., Drakulović, D., Finotto, S., Fornasaro, D., Grilli, F., **Kraus, R.**, Kužat, N., Marić Pfannkuchen, D., Ninčević Gladan, Ž., Pompei, M., Rotter, A., Servadei, I., Skejić, S. 2019. Phytoplankton diversity in Adriatic ports: Lessons from the port baseline survey for the management of harmful algal species. *Marine Pollution Bulletin*. 147, 117-132.
19. Magaletti, E.*, Garaventa, F., David, M., Castriota, L., **Kraus, R.**, Luna G.M., Silvestri, C., Forte, C., Bastianini, M., Falautano, M., Maggio, T., Rak, G., Gollasch, S. 2018. Developing and testing an Early Warning System for Non Indigenous Species and Ballast Water Management. *Journal of Sea Research*. 133, 100-111.
18. **Kraus, R.***, Supić, N., Precali, R. 2016. Factors favouring large organic production in the northern Adriatic: Towards the northern Adriatic empirical ecological model. *Ocean Science*. 12, 19-37.
17. **Kraus, R.***, Supić, N. 2015. Sea dynamics impacts on the macroaggregates: A case study of the 1997 mucilage event in the northern Adriatic. *Progress in Oceanography*. 138, 249–267. (awarded by RBI Annual Award)
16. **Kraus, R.***, Supić, N., Lučić, D., Njire, J. 2015. Impact of winter oceanographic conditions on zooplankton abundance in northern Adriatic with implications on Adriatic anchovy stock prognosis. *Estuarine, Coastal and Shelf Science*. 167, 56–66.
15. Bojanić Varezić, D., Vidjak, O.*, **Kraus, R.**, Precali, R. 2015. Regulating mechanisms of calanoid copepods variability in the northern Adriatic Sea: Testing the roles of west-east salinity and phytoplankton gradients. *Estuarine, Coastal and Shelf Science*. 164, 288-300.

14. Marić, D.* , **Kraus, R.**, Godrijan, J., Supić, N., Đakovac, T., Precali, R. 2012. Phytoplankton response to climatic and anthropogenic influences in the north-eastern Adriatic during the last four decades. *Estuarine, Coastal and Shelf Science*. 1, 1-12.
13. Supić, N.* , **Kraus, R.**, Kuzmić, M., Paschini, E., Precali, R., Russo, A., Vilibić, I. 2012. Predictability of northern Adriatic winter conditions. *Journal of Marine Systems*. 90, 1, 42-57.
12. **Kraus, R.***, Supić, N. 2010. Impact of circulation on high phytoplankton blooms and fish catch in the northern Adriatic (1990-2004). *Estuarine, Coastal and Shelf Science*. doi:10.1016/j.ecss.2010.10.021
11. Ivančić, I.* , Fuks, D., Radić, T., Lyons, D. M., Šilovic, T., **Kraus, R.**, Precali, R. 2010. Phytoplankton and bacterial alkaline phosphatase activity in the northern Adriatic Sea. *Marine environmental research*. 69, 85-94.
10. Ivančić, I.* , Radić, T., Lyons, D. M., Fuks, D., Precali, R., **Kraus, R.** 2009. Alkaline phosphatase activity in relation to nutrient status in the northern Adriatic Sea. *Marine Ecology Progress Series*. 378, 27-35.
9. Kršinić, F.* , Bojanić, D., Precali, R., **Kraus, R.** 2007. Quantitative variability of the copepod assemblages in the northern Adriatic Sea from 1993 to 1997. *Estuarine, Coastal and Shelf Science*. 74, 528-538.
8. Radić, T.* , **Kraus, R.**, Fuks, D., Radić, J., Pečar, O. 2005. Transparent exopolimeric particles distribution in the northern Adriatic and their relation to microphytoplankton biomass and composition. *Science of the Total Environment*. 353: 151-161.
7. Totti C.* , Cangini M., Ferrari C., **Kraus, R.**, Pompei M., Pugnetti A., Romagnoli T., Vannucci S., Socal G. 2005. Phytoplankton size-distribution and community structure in relation to mucilage occurrence in the northern Adriatic Sea. *Science of the Total Environment*. 353: 204-217.
6. Fonda Umani, S.* , Milani, L., Borme, D., de Olazabal, A., Parlato, S., Precali, R., **Kraus, R.**, Lučić, D., Njire, J., Totti, C., Romagnoli, T., Pompei, M., Cangini, M. 2005. Inter-annual variations of planktonic food webs in the northern Adriatic Sea and their role in driving organic carbon fluxes. *Science of the Total Environment*. 353: 218-231.
5. Najdek, M.* , Blažina, M., Đakovac, T., **Kraus, R.** 2005. The role of the diatom *Cylindrotheca closterium* in a mucilage event in the northern Adriatic Sea: coupling with high salinity water intrusions. *Journal of Plankton Research*. 27: 851-862.
4. **Kraus, R.***, Ivančić, I., Đakovac, T., Smoldaka, N. 2004. Northern Adriatic mesocosm experiment Rovinj 2003: Changes in the microphytoplankton community. *Periodicum Biologorum*. 106: 31-37
3. Ivančić, I.* , Degobbi, D., Pečar, O., Fuks, D., Manganelli, M., **Kraus, R.**, Đakovac, T., Precali, R., Scenati, R. 2004. Northern Adriatic mesocosm experiment Rovinj 2003: Nutrient dynamics. *Periodicum Biologorum*. 106: 17-22.
2. Đakovac, T.* , Supić, N., Degobbi, D., **Kraus, R.**, Precali, R., Ivančić, I., Svetličić, V., Smoldaka, N. 2004. Northern Adriatic mesocosm experiment Rovinj 2003: Oceanographic conditions at the sampling station. *Periodicum Biologorum*. 106:7-15.
1. Kovač, S., **Kraus, R.**, Geček, S., Žutić, V.* 2000. Cell suspension as a model system for electrochemical analysis. *Croatica Chemica Acta*. 73: 279-291.

Other articles

1. David, M.* , Magaletti, E., **Kraus, R.**, Marini, M. 2019. Vulnerability to bioinvasions: Current status, risk assessment and management of ballast water through A regional approach – The Adriatic Sea. *Marine Pollution Bulletin*.147: 1-7. (editorial)

Book chapter

1. Drakulović, D., Pestorić, B., **Kraus, R.**, Ljubimir, S., Krivokapić, S. 2017. Phytoplankton Community and Trophic State in Boka Kotorska Bay. The Boka Kotorska Bay Environment. Joksimović, A., Djurović, M., Semenov, A., Zonn, I.S., Kostianoy, A.G. (ur.). Švicarska: Springer, Cham, 169-201. DOI 10.1007/698_2016_30.

Participation at international conferences

30. Brajkovic, A., Kužat, N., Bastianini, M., Supic, N., Kraus, R. 2019. Dinoflagellate resting cysts from surface sediments of the north-eastern Adriatic and their potential spreading patterns. Rapp. Comm. int. Mer Médit. (CIESM, Cascais, Portugal): 161. (poster with oral presentation by R. Kraus)
29. Djakovac, T., Kraus, R., Kalac, M., Supić, N. 2019. Oceanographic conditions related to the extreme warm spring-summer of 2016 and 2017 in the northern Adriatic. Rapp. Comm. int. Mer Médit. (CIESM, Cascais, Portugal): 109. (poster with oral presentation by T. Đakovac)
28. Magaletti, E., Garaventa, F., David, M., Catriota, L., Kraus, R., Luna, G.M., Silvestri, C., Forte, C., Bastianini, M., Falautano, M., Maggio, T., Rak, G., Gollashch, S. 2018. Early warning system for non-indigenous species: From ballast water management to fouling mediated introduction. The 19th International Congress on Marine Corrosion and Fouling – ICMCF 2018, Florida Institute of Technology, Melbourne, Florida, USA. (poster presentation)
27. Supić, N., Ciglenečki, I., Dautović, J., Djakovac, T., Dutour-Sikirić, D., Ivančić, I., Janeković, I., **Kraus, R.**, Kužat, N., Lučić, D., Marić Pfannkuchen, D., Njire, J., Paliaga, P., Pasarić, M., Pasarić, Z., Precali, R. 2017. Preliminary analysis of the 2017 winter cruise data in the northern Adriatic within the frame of the EcoRENA project. Workshop THEMES 2017-Physics and biogeochemistry of marine environments: multiscale analysis of past and present variability. Venice, Italy. (oral presentation by N. Supić)
26. Mozetič, P., Cangini, M., Francé, J., Bastianini, M., Bernardi Aubry, F., Bužančić, M., Cabrini, M., Cerino, F., Čalić, M., D'Adamo, R., Drakulović, D., Finotto, S., Fornasaro, D., Grilli, F., **Kraus, R.**, Kužat, N., Marić Pfannkuchen, D., Ninčević Gladan, Ž., Pompei, M., Rotter, A., Servadei, I., Skejić, S. 2017. Phytoplankton diversity in Adriatic ports. Società Botanica Italiana Gruppo di Algologia, Riunione Scientifica Annuale, Book of Abstracts. Cabrini, M., Cataletto, B., Falace, A., Honsell, G., Petrer, F., Spoto, M. (ur.). Trst, Italija: Istituto Nazionale di Oceanografia e di Geofisica Sperimentale – OGS, Università degli Studi di Udine, Università degli Studi di Trieste (Dipartimento di Scienze della Vita) e WWF Area Marina Protetta di Miramare; Regione Autonoma Friuli Venezia Giulia e del Comune di Trieste. 34-34 (oral presentation by P. Mozetič)
25. **Kraus, R.**, Lucic, D., Njire, J., Precali, R., Djakovac, T., Supic, N. 2017. Fine-tuning prediction mechanism for smart anchovy fishing – scientific baseline (CIESM, Kiel, Njemačka): 520. (poster and short oral presentation by R. Kraus)
24. **Kraus R.**, Lučić, D., Njire, J., Djakovac, T., Precali, R., Supić, N. 2016. Atmospheric and oceanologic conditions favouring large bioproduction in the northern Adriatic. Workshop THEMES 2016-Measuring, Modelling and Predicting Marine Environments: State of the Art and Challenges. Venice, Italy. (oral presentation by N. Supić)
23. **Kraus, R.** 2015. Monitoring for Ballast Water Management - from pros and cons to yes or no? SFTE, Aarhus, Denmark. (oral presentation by R. Kraus)
22. **Kraus, R.**, Supić, N. 2014. The Adriatic anchovy stock prediction from the winter sea conditions - possible link between the basic science and national economic strategy. (ECSA, Sesimbra, Portugal): 47. (oral presentation by R. Kraus)

21. **Kraus, R.**, Supić, N. 2013. Possible link between the basic science and national economic strategy: a fishy hypothesis from the northern Adriatic. Rapp. Comm. int. Mer Médit. (CIESM, Marseille, Francuska): 757. (poster and short oral presentation by R. Kraus)
20. **Kraus, R.**, Supić, N., Precali, R. 2013. Factors favoring large organic production in the northern Adriatic: towards the northern Adriatic ecological model. Rapp. Comm. int. Mer Médit. (CIESM, Marseille, Francuska): 177. (poster and short oral presentation by N. Supić)
19. Marić, D., Godrijan, J., Kraus, R., Precali, R. 2011. Phytoplankton response to climatic and anthropogenic influence in the northern Adriatic during last four decades. 46th European Marine Biology Symposium Book of Abstracts, Travizi, A., Iveša, Lj., Fafandel, M. (ur.). Rovinj, 40. (oral presentation by D. Marić)
18. **Kraus, R.**, Đakovac, T., Precali, R., Supić, N. 2010. Two different northern Adriatic winter oceanographic types. Rapp. Comm. int. Mer Médit. (CIESM, Italy, Venice): 131. (oral presentation by R. Kraus)
17. Đakovac, T., **Kraus, R.**, Precali, R., Supić, N. 2010. Winter trends in the northern Adriatic. Rapp. Comm. int. Mer Médit. (CIESM, Italy, Venice): 739. (poster presentation)
16. Supić, N., **Kraus, R.**, Kuzmić, M., Paschini, E., Precali, P., Russo, A., Vilibić, I. 2010. Towards long-term forecast of the northern adriatic winter conditions. Rapp. Comm. int. Mer Médit. (CIESM, Italy, Venice): 188. (oral presentation by N. Supić)
15. Marić, D., Godrijan, J., **Kraus, R.**, Precali, R. 2010. Fluctuations in the abundance and composition of microphytoplankton off shore Rovinj (the northern Adriatic Sea) in the period 1972-2009. Variazioni temporali e tendenze nelle caratteristiche meteorologiche ed oceanografiche dell'Adriatico settentrionale: la situazione nel Golfo di Trieste. Giani, M. (eds.). Trieste, 2010. 25. (oral presentation by D. Marić)
14. **Kraus, R.**, Supić, N. 2009. Impact of circulation on high phytoplankton blooms in the northern Adriatic (1990-2004). Marine Biology in Time and Space: Abstracts from the 44th European Marine Biology Symposium. Frid, C.L.J., J.A. Green, O.A.L. Paramor, L.A. Robinson and P.C. Watts. (ur.). Liverpool: University of Liverpool. 34. (poster presentation)
13. Supić, N., Janeković, I., **Kraus, R.**, Kuzmić, M., Paschini, E., Precali, R., Russo, A., Vilibić, I. 2008. Two aspects of winter hydrographic conditions in the northern Adriatic. Recent Advances in Adriatic Oceanography and Marine Meteorology : Abstracts. Orlić, M.; Pasarić, M. (ur.). Zagreb: Andrija Mohorovičić Geophysical Institute, Faculty of Science, University of Zagreb. 52. (oral presentation by N. Supić)
12. **Kraus, R.** 2007. Seasonal microphytoplankton variability in a eutrophic and oligotrophic region in the northern Adriatic Sea (a preliminary study). Rapp. Comm. Int. Mer Médit. (CIESM, Turkey, Istanbul): 38. (oral presentation by R. Kraus)
11. **Kraus, R.**, Smodlaka, N., Degobbi, D., Precali, R., Đakovac, T., Godrijan, J., Marić, D. 2007. Phytoplankton in the northern Adriatic Sea from 1972 to 2006. Chapman Conference on Long Time-Series Observations in Coastal Ecosystems: Comparative Analyses of Phytoplankton Dynamics on Regional to Global Scales: Abstracts. Cloern, J. E.; Smodlaka, N. (ur.). Rovinj: American Geophysical Union. 44-45. (oral presentation by R. Kraus)
10. **Kraus, R.**, Đakovac, T. 2006. *Skeletonema costatum* - eutrophication indicator? A diatom study in the northern Adriatic Sea. ASLO Summer Meeting 2006, Conference Abstracts / American Society of Limnology and Oceanography (ur.). Waco, Texas, USA, 67. (poster presentation)

9. **Kraus, R.** 2006. Uloga mikrofitoplanktona u cvjetanju mora. Zbornik sažetaka, 9. Hrvatski biološki kongres. Besendorfer, V.; Klobučar, G. (ur.). Rovinj, Hrvatska, 439. (poster presentation)
8. Radić, T., **Kraus, R.**, Fuks, D. 2006. Influence of microphytoplankton composition on TEP formation. Zbornik sažetaka, 9. Hrvatski biološki kongres. Besendorfer, V.; Klobučar, G. (ur.). Rovinj, Hrvatska, 325-326. (poster presentation)
7. **Kraus, R.**, Degobbi, D. 2005. Microphytoplankton composition as a tool studying the mucilage phenomenon in the northern Adriatic Sea. ASLO Summer Meeting Santiago de Compostela, Spain 83. (poster presentation)
6. **Kraus, R.**, Đakovac, T., Radić, T. 2004. *Skeletonema costatum* (Grev.) Cleve in the northern Adriatic during the period June 1999 – July 2002. Rapp. Comm. Int. Mer Médit. (CIESM, Spain, Barcelona): 37, 382. (poster presentation)
5. **Kraus, R.** 2003. Diversity of phytoplankton species in the northern Adriatic during the mucilage phenomenon of the 2002. Marine Biodiversity. EMBS Aveiro, Portugal, 125-126. (poster presentation)
4. **Kraus, R.**, Milić, D., Degobbi, D. 2003. Recent microphytoplankton changes in the northern Adriatic. Scientific and policy challenges towards an effective management of the marine environment - emphasis on the Black Sea and the Mediterranean regions. Varna, Bulgaria, 60. (poster presentation)
3. Blažina, M., Najdek, M., **Kraus, R.**, Fuks, D. 2003. Mucilage event in the northern Adriatic Sea- Changes in microbial community during aging of aggregates. Scientific and policy challenges towards an effective management of the marine environment- emphasis on the Black Sea and the Mediterranean regions. Varna, Bulgaria, 213. (poster presentation)
2. Kovač, S., Ivošević, N., **Kraus, R.**, Žutić, V., Svetličić, V. 2001. Monitoring of reactive microparticles distribution in the northern Adriatic sea. Rapp. Comm. Int. Mer Médit. (CIESM, Monaco, Monte Carlo): 36, 138. (poster presentation)
1. Ivošević, N., Svetličić, V., Kovač, S., **Kraus, R.**, Žutić, V, Furić, K. 1998. Biophysical and bacterial aspects of macroaggregation phenomena in the northern Adriatic Sea. Ocean Science Meeting, San Diego, USA. Suppl. to Eos Trans. Amer. Geophys. Union. 79: OS63. (poster presentation)

PROJECTS PARTICIPATION

Participation in national and international projects (incl. scientific, strategic, structural and monitoring)

2020 – 2023 National structural project “Development of system for control and defence from introduction of alien species” – in Croatian: “Razvoj sustava kontrole i obrane luka od unosa stranih vrsta” (ProtectAS), Client: European Structural and investment funds, within Operational programme Competitiveness and Cohesion 2014-2020, as **coordinator for RBI**, expert team lead and lead of investigation

2017 – 2021 National scientific research project “Ecological response of northern Adriatic to climatic changes and anthropogenic impact” (EcoRENA), Client: National Foundation for Science, Higher Education and Technological Development of the Republic of Croatia, as **project member**

2013 – 2016 The Adriatic IPA Cross-border Co-operation Programme, strategic project „Ballast Water Management System for Adriatic Sea Protection“ (BALMAS), as **coordinator for RBI**

2008 – 2009 Croatian monitoring project “Implementation of the Water Quality Monitoring in the Western Istrian Coastal Sea (Northern Adriatic; WICOS)”, Client: EU, EC, INTERREG IIIA and the Central Finance and Contracting Agency (CFCA), as **project member**

2007 – 2009 National monitoring project „Coastal cities water pollution control project IBRD 7226/HR; Part C1: Strengthening of coastal water monitoring network, Client: Ministry of environmental protection, Physical planning and construction, Republic of Croatia, as **project member**

2007 – 2012 National scientific research project “Mechanism of long-term changes in the northern Adriatic ecosystem”, Client: Ministry of Science and technology, Republic of Croatia, as **project member**

2005 – 2008 International scientific research project “Realization of an integrated monitoring system of the quality of Adriatic Sea, with particular regard to eutrophication and mucilage phenomena”, Client: Adriatic CROSS Border INTERREG III A, EU, as **project member**

2003 International scientific research project “Biophysical Aspects of Macroaggregate Formation in the Northern Adriatic”, Client: National Science Foundation, SAD, as **project member**

2002 – 2007 National scientific research project “Mechanisms of long-term changes in the northern Adriatic ecosystem”, Client: Ministry of Science, Education and Sports, Republic of Croatia, as **project member**

2001 – 2002 International scientific research project “Formation processes of mucilage in the Adriatic and Tyrrhenian” (“Processi di formazione delle mucillagini nell’Adriatico e Tirreno, MAT”), Client: Italian Ministry for the Environment, Italy, as **project member**

2001 – 2002 National scientific research project “Processes of production and transformation of the organic matter in the Adriatic Sea”, Client: Ministry of Science and Technology, Republic of Croatia, as **project member**

1998 – 2010 Croatian National Monitoring Programme “Systematic Research of the Adriatic Sea as a Base for Sustainable Development of the Republic of Croatia” Project “Adriatic”, Client: Croatian Government, as **project member**

Participation in expert projects

2011 Baseline study of seawater state, part for Northern Adriatic, **coordinator for Phytoplankton and Dinoflagellate cysts in CMR, Rovinj**, Client: Ministry of Maritime Affairs, Transport and Infrastructure, Republic of Croatia

2003 - 2005 Environmental impact assessment for the project Družba Adria, The Sea, **coordinator for Phytoplankton in CMR, Rovinj**, Client: Jadranski Naftovod

LIST OF REPORTS

16. **Kraus, R.**, Orlando-Bonaca, M., Drakulović, D., Flander-Putrlje, V., Mozetič, P., Francé, J., Škalic, D., Kužat, N., Balković, I., Pestorić, B., Joksimović, D. 2016. Development and testing of an Early warning System for the Adriatic. Pilot Action in Croatia, Slovenia and Montenegro. Work package 9.6. Final report. BALMAS project. 42 pp.
15. **Kraus, R.**, Pigozzi, S., Castriota, L., Škalic, D., Tornambè, A., Rende, F.S., Muha, T., Kocijančić, U., Travizi, A., Magaletti, E. 2015. Rapid response and remediation measures and suggested monitoring requirements for each category of alert and information flow requirements. Work package 6.4. Final report. BALMAS project. Rovinj, Croatia. 62 pp.
14. **Kraus, R.**, Balković, I., Kužat, N. 2015. Literature review of rapid response and remediation measures. Work package 6.4. Final report. BALMAS project. Rovinj, Croatia. 62 pp.
13. **Kraus, R.**, Marić Pfannkuchen, D., Supić, N., Đakovac, T., Precali, R., Janeković, I., Dutour, M., Škalic, D., Kužat, N., Balković, I., Cenov, A., Vukić Lušić, D., Baljak, V., Glad, M. 2016. PBS Report for Port of Rijeka. BALMAS project. Work package 5. Activity 5.2, Rovinj, Croatia. 36 pp.
12. **Kraus, R.**, Marić Pfannkuchen, D., Supić, N., Đakovac, T., Precali, R., Janeković, I., Dutour, M., Škalic, D., Kužat, N., Balković, I., Cenov, A., Vukić Lušić, D., Baljak, V., Glad, M., Živković, V., Guštin, T. 2016. Port monitoring Report for Port of Pula. BALMAS project. Work package 5. Activity 5.2, Rovinj, Croatia. 35 pp.
11. Bastianini, M., Pezzolesi, L., Magaletti, E., Azzurro, E., Pigozzi, S., **Kraus, R.**, Mozetič, P., Gollasch, S. 2016. BALMAS Port Monitoring protocol for NIS and HAOP in the Adriatic Sea. BALMAS project. Work package 5.2., 31 pp.
10. **Kraus, R.**, Supić, N., Janeković, I., Dutour, M., Škalic, D. 2016. PBS Report for PHYSICAL ANALYSES (optional parameter). BALMAS project. Work package 5. Activity 5.1, Rovinj, Croatia. 63 pp.
9. **Kraus, R.**, Travizi, A., Jaklin, A., Iveša, Lj., Nerlović, V., Mikac, B., Marić Pfannkuchen, D., Supić, N., Đakovac, T., Precali, R., Janeković, I., Dutour, M., Škalic, D., Kužat, N., Balković, I., Cenov, A., Vukić Lušić, D., Baljak, V., Glad, M., Vidjak, O., Bojanić, N., Dragičević, B., Matić-Skoko, S. 2016. PBS Report for Port of Rijeka. (Final Report). BALMAS project. Work package 5. Activity 5.1, Rovinj, Croatia. 116 pp.
8. **Kraus, R.**, Travizi, A., Jaklin, A., Iveša, Lj., Nerlović, V., Mikac, B., Marić Pfannkuchen, D., Supić, N., Đakovac, T., Precali, R., Janeković, I., Dutour, M., Škalic, D., Kužat, N., Balković, I., Cenov, A., Vukić Lušić, D., Baljak, V., Glad, M., Živković, V., Guštin, T., Vidjak, O., Bojanić, N., Dragičević, B., Matić-Skoko, S. 2016. PBS Report for Port of Pula. (Final Report). BALMAS project. Work package 5. Activity 5.1, Rovinj, Croatia. 122 pp.
7. David, M., Gollasch, S., Flander-Putrlje, V., Mozetič, P., Francé, J., Turk, V., Lipej, L., Tinta, T., Drakulović, D., Pestorić, B., Huter, A., Joksimović, D., Uhan, J., Klun, J., Cabrini, M., Magaletti, E., Fabbro, C., Fornasaro, D., de Olazabal, A., Di Poi, E., **Kraus, R.**, Balković, I., Vidjak, O., Kužat, N., Vukić Lušić, D., Škalic, D. 2016. Ballast water sampling for compliance monitoring and enforcement of the BWM Convention conducted in ports and on vessels, containing reviews, models and test results of BWS methods and sampling. Final report, BALMAS project, 157 pp.
6. Sustavno ispitivanje kakvoće prijelaznih i priobalnih voda u 2012. i 2013. godini. Hrvatske vode. 2012-13. Voditelj: G. Kušpilić. In Croatian. **Participation: coordination of activity Phytoplankton for CMR, Rovinj.**
5. Studija nultog stanja mora. Ministarstvo mora, prometa i infrastrukture. 2011. Voditelji: Ž. Ninčević-Gladan, T. Đakovac i M. Čalić. In Croatian. **Participation: coordination of activity Phytoplankton and Dinoflagellate cysts for CMR, Rovinj.**

4. Studija o utjecaju na okoliš za projekt Družba Adria. More. (Jadranski Naftovod, Zagreb). 2003-05. Institut za oceanografiju i ribarstvo, Split. IOR Split Voditelj: dr. sc. N. Krstulović. In Croatian. **Participation: coordination of activity Phytoplankton for CMR, Rovinj.**
3. Degobbis, D., Fuks, D., Precali, R., Pečar, O., **Kraus, R.**, Radić, T., Krstulovic, J. 2003. Relazioni tra le componenti della rete trofica microbica (nanoplancton e picoplancton autotrofo ed eterotrofo) e tra produzione batterica e produzione primaria lungo il transetto A, 593-614+Data Report Grafico, 65-94. Programma di monitoraggio e studio sui "processi di formazione delle Mucillagini nell'Adriatico e nel Tirreno"-MAT. Rapporto finale giugno 1999-maggio 2003 (Giani, M., ed.). Vol. 1: Monitoraggio delle caratteristiche idrologiche e biologiche dell'Adriatico settentrionale. Istituto Centrale per la Ricerca Scientifica e Applicata al Mare (ICRAM), Roma, 2003, 749 pp. In Italian.
2. Degobbis, D., **Kraus, R.**, Precali, R., Bakota, A., Mioković D. 2003. Microfitoplancton lungo il transetto A, 433-454+Data Report Grafico, 95-109. Programma di monitoraggio e studio sui "processi di formazione delle Mucillagini nell'Adriatico e nel Tirreno"-MAT. Rapporto finale giugno 1999-maggio 2003 (Giani, M., ed.). Vol. 1: Monitoraggio delle caratteristiche idrologiche e biologiche dell'Adriatico settentrionale. Istituto Centrale per la Ricerca Scientifica e Applicata al Mare (ICRAM), Roma, 2003, 749 pp. In Italian.
1. Degobbis, D., Đakovac, T., Precali, R., Supić, N., Blažina, M., Catalano, G., Cantoni, C., Cozzi, S., Ivančić, I., Korenić, I., Rabak, R., Smolaka, N., Pecar, O., **Kraus, R.** 2003. Andamento della concentrazione dei nutrienti in relazione alla biomassa fitoplanctonica (clorofilla a) e produzione primaria potenziale lungo il transetto A nel periodo giugno 1999-luglio 2002, 153-181.+Data Report Grafico, 20-79. Programma di monitoraggio e studio sui "processi di formazione delle Mucillagini nell'Adriatico e nel Tirreno"-MAT. Rapporto finale giugno 1999-maggio 2003 (Giani, M., ed.). Vol.1: Monitoraggio delle caratteristiche idrologiche e biologiche dell'Adriatico settentrionale. Istituto Centrale per la Ricerca Scientifica e Applicata al Mare (ICRAM), Roma, 2003, 749 pp. In Italian.