

Dr. Danny Ionescu: Curriculum Vitae

Current mailing address: Leibniz Institute of Freshwater Ecology and Inland Fisheries, Alte Fischerhütte 2,
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ResearchGate page: https://www.researchgate.net/profile/Danny_Ionescu

Education:

- 2005 – 2009** PhD: Microbial Ecology (Environmental studies), The Hebrew University of Jerusalem.
Thesis subject: Cyanobacterial Biogeography and Nitrogen Fixation: Lessons from environmental and model organisms. Thesis supervisor: Prof. Aharon Oren
- 2003 – 2005** MSc: Microbial Ecology (Environmental studies), The Hebrew University of Jerusalem.
Thesis subject: Characterization of an endoevaporitic microbial community in the Eilat salterns by fatty acid analysis and stable isotope labeling. Thesis supervisor: Prof. Aharon Oren (in collaboration with Dr. Andre Lipski - University of Osnabrück)
- 2000 – 2003** BSc: Marine sciences and marine environmental sciences, The Ruppin Academic Center

Academic Employment

- 2014 –** Postdoctorate at the Leibniz Institute for Freshwater Ecology and Inland Fisheries, Stechlin / Berlin
- Effect of land-use on composition and dispersion of organisms in between kettle-holes over a large area (>1000 km²)
 - Genomics and evolution of aquatic microorganisms
 - Methane formation in **oxic** water columns
 - Analysis of decade long community data from 8 German lakes
 - Development of new reactors for the study of particulate organic matter
 - Microbial activity on particles, *in-situ* measurements and transcriptomic analysis of individual particles
- 2009 – 2013** Postdoctorate at the Max Planck Institute for Marine Microbiology, Bremen.
- Cell-mineral interaction in microbial mats (iron oxidation, iron reduction, calcification)
 - Biogeochemistry of underwater freshwater springs in the Dead Sea
 - Particle-associated bacteria
 - Development of new reactors for the study of particulate organic matter

Awards

- 2008** Best Poster Award – ISME12, Cairns, Australia
- 2006** The Alexandra Poljakoff award for exceptional Ph.D. students in the department of Plant and Environmental Sciences
- 2003** Best Poster Award – The annual meeting of the Israeli Society of Mass Spectrometry, Weizmann Institute, Israel

Grants

- 2007/8** Minerva Short Term competitive grant to fund research in the lab of Prof. Wolfgang Hess, University of Freiburg, Germany, as visiting scientist
- 2006** The NASA Planetary Biology Internship (PBI) program (advisor Prof. Jonathan Trent)

Teaching Experience

- 2015-2016** Yearly workshop on metagenomic-bioinformatics for students and senior scientists at IGB; from sequencing, through assembly to genome annotation.
- 2014-2016** Intensive yearly courses (“Blockkurse”) in Aquatic Microbial Ecology for students of Potsdam University, and Osnabrück University.
- 2013** Lecturer in the biogeochemistry course of the marine microbiology graduate school of the Max Planck Institute for Marine Microbiology (MarMic)
- 2007 – 2009** Lecturer at the Ruppin Academic Center, Israel (The program for marine sciences and marine environmental sciences)
- Extremophiles – molecular and physiological adaptations of extremophiles and their potential use in biotechnology
- 2004 – 2009** Teaching assistant at the Ruppin Academic Center, Israel (The program for marine sciences and marine environmental sciences)
- Introductory microbiology (3rd year students)
 - Marine microbiology (3rd year students)
 - Introduction to the marine environment – research projects (2nd year students)
 - From a cell to an organism (1st year students)
 - Project leader in year-long core-projects for marine biotechnology students.
- 2006 – 2009** Project leader in a marine microbiology course in Eilat (Israel) for graduate students from the University of Osnabrück (Germany). Course organizers: Prof. Aharon Oren and Prof. Karlheinz Altendorf
- 2006 – 2009** Teaching Assistant in the IUI “marine microbiology” course in Eilat. Course organizers: Prof. Anton Post, Prof. Shimshon Belkin and Prof. Aharon Oren

Graduate-Student Supervision

PhD students

- 2015-** Mr. Marco Günthel, PhD co-supervisor (Swansea University)
- 2015-** Mrs. Therese Kettner, PhD co-supervisor (IGB Berlin)
- 2014** Mrs. Maria Arias, PhD co-supervisor (IGB Berlin)
- 2010-2014** Dr. Stefan Häusler, Main PhD Supervisor (MPI for Marine Microbiology)
- 2011-2015** Dr. Camille Thomas, PhD co-supervisor (University of Geneva)

MSc students

2012-2013	Mrs. Lisa Schüller, MSc supervisor (University of Hannover)
2012-2013	Mrs. Bettina Buchmann, MSc supervisor (University of Oldenburg)
2012-2013	Mrs. Folasade Adeboyejo, MSc supervisor (ZMT)
2012-2013	Mrs. Beatriz Noriega, MSc co-supervisor (MPI for Marine Microbiology)
2010-2011	Mrs. Svenja Spitzer, MSc co-supervisor (Göttingen University)

Methodological Experience:

OMICS approaches

- Metagenomics and metatranscriptomics – data generation and analysis using dedicated bioinformatic tools.

Single cell approaches

- Single cell genomes. Low biomass transcriptomics
- Trained nanoSIMS (nanoscale Secondary Ion Mass Spectrometer) operator; Experience in experimental design and analysis of biological and geological samples.

Microbial ecology:

- Molecular community analysis: High throughput sequencing; Fluorescence in situ hybridization (FISH, CARD-FISH); Fingerprinting methods (ARISA, DGGE);
- Microscopy (Light and fluorescence).
- Microsensors: manufacturing, measurements and data analysis

Analytical methods:

- Multivariate statistics for ecological studies; Genomic and metagenomics analysis (assembly, binning, annotation); Gene expression statistics (differential expression in transcriptomes).

Additional experience:

- Stable and radio isotope work for biogeochemistry and molecular biology
- Fatty acid profiling - GC-MS
- Membrane Inlet Mass Spectrometry
- Underwater work: Certified, experienced scientific diver:: Advanced European Scientific Diver; American Academy of Underwater Sciences Scientific Diver – certified for mixed gases and depth up to 100 m.
- On-board sampling (marine and limnic)
- Boat driving license (Israeli level 30: motor boats under 24 m and 500 hp)

Language skills:

	Academic Level	Non-Academic communication		
		Speak	Read	Write
English	Fluent	Fluent	Fluent	Fluent
Hebrew	Fluent	Fluent	Fluent	Fluent
Romanian	Good	Fluent	Fluent	Fluent
German	Intermediate	Intermediate	Intermediate	Intermediate
Serbian	-	Intermediate	Intermediate	Intermediate

Editorial and reviewer activity

Editor: Scientific Reports

Reviewer: Microbial Ecology, Geobiology, Geomicrobiology, Scientific Reports, PLoS One, FEMS Microbiology Ecology, Extremophiles, Limnology and Oceanography, Regional Environmental Change, Microbiology Open, Environmental Science and Pollution Research (and others)

Organization of workshops

2012 Current research on the Dead Sea – Workshop held at the Max Planck Institute for Marine Microbiology in Bremen.

Media Coverage

My research on the complex genomics of *Achromatium oxaliferum* was featured on several scientific blogs and news channels.

Official IGB press release

<http://www.igb-berlin.de/en/news/giant-bacterium-contains-genomes-entire-population>

Post on the ASM blog “Small things considered”

<http://schaechter.asmblog.org/schaechter/2017/09/a-lakeside-tale.html>

My research leading to the discovery of abundant microbial life in and around underwater springs in the Dead Sea was extensively covered by Israeli, German and international media (CNN, Fox, BBC, RAI-TV, National Geographic, Israel Channel 2 and others).

Official Max Planck Institute press release

https://www.mpi-bremen.de/en/Springs_of_Life_in_the_Dead_Sea.html

Documentary movies

“From deep Valley to Mountain High”, Austria, 2010

<http://www.amazon.com/Extreme-From-Valley-Deep-Mountain/dp/B00H8UYSL2>

(DVD available upon request)

Documentary movie on the Dead Sea rift valley for Japanese TV

Aired on NHK Premium August 2013, Produced by Nihon Denpa News co., LTD

(DVD available upon request)

Complete Publication List

Total Citations: 538; h-index 14; i10-index 14 (Google Scholar 11/02/2018)

Abbreviations:

General: **OA**: Open Access; **CA**: Corresponding Author

Contribution: **CED**: Concept and Experimental Design; **WP**: Wrote Paper;

DG: Data Generation; **DA**: Data Analysis

Cuadrat, R.C.R., Ionescu, D. , Davila, A.M.R., Grossart, H-P. (2018) Recovering genomics clusters of secondary metabolites from lakes using genome-resolved metagenomics. <i>Front. Microbiol</i> , 9, 251 doi: 10.3389/fmicb.2018.00251 <i>in press</i>	OA	CED WP DG DA
Hartmann J.F., Gentz T., Schiller A., Greule M., Grossart H-P., Ionescu D. , Keppler F., Martinez-Cruz K., Sepulveda-Jauregui A., Isenbeck-Schröter M. (2018) A fast and sensitive method for the continuous in-situ determination of dissolved methane and its $\delta^{13}\text{C}$ -isotope ratio in surface waters. <i>Limnol. Oceanogr. Methods</i> . <i>accepted</i>		WP DG DA
Ionescu, D. , Bizic-Ionescu, M., De Maio, N., Cypionka, H. & Grossart, H.-P. Community-like genome in single cells of the sulfur bacterium <i>Achromatium oxaliferum</i> . <i>Nat. Commun.</i> 8, 455 (2017).	OA CA	CED WP DG DA
Hartmann, J.F., Schiller, A., Gentz, T., Greule, M., Grossart, H-P., Ionescu, D. , Keppler, F., Martinez-Cruz, K., Sepulveda-Jauregui, A., Isenbeck-Schröter, M. (2017) Real Time Measurement of Concentration and $\delta^{13}\text{C}$ -CH ₄ in Water, <i>Procedia Earth and Planetary Science</i> 17:460-463		DG DA
Heim, C., Quéric, N-V., Ionescu, D. , Schäfer, N., Reitner, J., Frutexites-like structures formed by iron oxidizing biofilms in the continental subsurface of the Äspö Hard Rock Laboratory, Sweden, <i>PLoS ONE</i> 12 (5), e0177542	OA	DG DA
Tang, K.W., McGinnis, D., F., Ionescu, D. , Grossart H-P., (2016) Methane Production in Oxidic Lake Waters Potentially Increases Aquatic Methane Flux to Air. <i>Environ Sci Technol Lett</i> , 3:227–233 (Awarded of ESTL best papers for 2016)		WP DA
Hubalek, V., Wu, X., Eiler, A., Buck, M., Heim, C., Dopson, M., Bertilsson, S., Ionescu, D. (2016) Connectivity to the surface determines diversity patterns in subsurface aquifers of the Fennoscandian shield. <i>ISMEJ</i> , 10:2447-2458. doi:10.1038/ismej.2016.36	OA CA	CED WP DA
Duda, J-P., Van Kranendonk, M.J., Thiel, V., Ionescu, D. , Strauss, H., Schäfer, N., Reitner, J. (2016) A Rare Glimpse of Paleoarchean Life: Geobiology of an Exceptionally Preserved Microbial Mat Facies from the 3.4 Ga Strelley Pool Formation, Western Australia. <i>PLoS ONE</i> 11(1): e0147629. doi:10.1371/journal.pone.0147629		WP DG DA
Ionescu, D. , Bizic-Ionescu, M., Khalili, A., Malekmohammadi, R., Morad M., R., de Beer, D., Grossart, H-P. (2015) A new tool for long-term studies of POM-bacteria interactions: overcoming the century-old Bottle Effect. <i>Sci Rep</i> , 5: Article 14706. doi:10.1038/srep14706	OA CA	CED WP DG DA
Thomas, C., Ionescu, D. , Ariztegui, D., and the DSDDP Scientific Team. (2015) Impact of paleoclimate on the distribution of microbial communities in the subsurface sediment of the Dead Sea. <i>Geobiology</i> , 13:546-561. doi: 10.1111/gbi.12151		WP DA
Raanan, H., Felde, J. M. N. L. V., Peth, S., Drahorad, S., Ionescu, D. , Eshkol, G., Treves, H., Felix-Henningsen, P., Berkowicz, S. M., Keren, N., Horn, R., Hagemann, M., Kaplan, A. (2015) 3D structure and cyanobacterial activity within a desert biological soil crust, <i>Environ Microbiol</i> , 18:372-383		WP DG DA

Heim, C., Simon, K., Ionescu, D. , Reimer, A., De Beer, D., Quéric, N.V., Reitner, J., Thiel, V. (2015) Assessing the utility of trace and rare earth elements as biosignatures in microbial iron oxyhydroxides. <i>Front Earth Sci</i> , 3:6. doi: 10.3389/feart.2015.00006	OA	WP DG DA
Ionescu, D. , Reimer, A., Zippel, B., Spring, S., Schneider, D., Spitzer, S., Brinkmann, N., de Beer, D., Reitner, J., Arp, G (2015). Calcium dynamics in microbialite-forming exopolymer-rich mats on the atoll of Kiritimati, Republic of Kiribati, Central Pacific <i>Geobiology</i> , 13:170-180	CA	CED WP DG DA
Leefmann, T., Heim, C., Lausmaa, J., Sjövall, P., Ionescu, D. , Reitner, J., Thiel, V. (2015) An imaging mass spectrometry study on the formation of conditioning films and biofilms in the subsurface (Äspö Hard Rock Laboratory, SE Sweden). <i>Geomicrob</i> , 32:197-206		WP DG DA
Ionescu, D. , Heim, C., Polerecky, L., Ramette, A., Haeusler, S., Bizic-Ionescu, M., Thiel, V., de Beer, D. (2015) Diversity of iron oxidizing and reducing bacteria in bioreactors set in the Äspö Hard Rock Laboratory, <i>Geomicrob</i> , 32:207-220	CA	CED WP DG DA
Ionescu, D. , Polerecky, L., Heim, C., Thiel, V., Reitner, J., de Beer, D. (2015) Biotic and abiotic iron precipitation in iron mineralization using the Äspö HRL as a model system. <i>Geomicrob</i> , 32:221-230	CA	CED WP DG DA
Spitzer, S., Brinkmann, N., Reimer, A., Ionescu, D. , Friedl, T., de Beer, D., Arp, G. (2015) Effect of variable PCO ₂ on Ca ²⁺ -removal and potential calcification of cyanobacterial biofilms - an experimental microsensor study. <i>Geomicrob</i> , 32:304-315		WP DA
Bizic-Ionescu, M., Zeder, M., Ionescu, D. , Orlic, S., Fuchs B., M., Grossart H-P., Amann R. (2015) Comparison of bacterial communities on limnic versus coastal marine particles reveals profound differences in colonization. <i>Environ Microbiol</i> , 17:3500-3514. doi: 10.1111/1462-2920.12466		WP DA
Häusler, S., Holtappel, M., de Beer, D., Ionescu, D. (2014) Activity of sulfur reducing and sulfide oxidizing bacteria in underwater freshwater springs in the Dead Sea and surrounding sediments. <i>FEMS Microbiol Ecol</i> , 90: 956-969.	CA	CED WP DG DA
Thomas, C., Ionescu, D. , Ariztegui, D., and the DSDDP Scientific Team. (2014) Archaeal populations in two distinct sedimentary facies of the subsurface of the Dead Sea. <i>Mar Genom</i> , 17:53-62. doi: 10.1016/j.margen.2014.09.001		WP DA
Ionescu, D. , Buchmann B, Heim C, Häusler S, de Beer D and Polerecky L (2014) Oxygenic photosynthesis as a protection mechanism for cyanobacteria against iron-encrustation in environments with high Fe ²⁺ concentrations. <i>Front. Microbiol</i> . 5:459. doi: 10.3389/fmicb.2014.00459	OA CA	CED WP DG DA
Häusler, S., Noriega, B., Polerecky, L., Meyer, V., de Beer, D., Ionescu, D. (2014) Microenvironments of reduced salinity allow for the formation of biofilms on the Dead Sea sediment. <i>Environ Microb R</i> , 6:152-158. doi:10.1111/1758-2229.12140	CA	CED WP DG DA
Häusler, S., Weber, M., de Beer, D., Ionescu, D. (2014) Salinity adaptation of oxygenic phototrophs to salinity gradients formed by underwater freshwater springs in the Dead Sea. <i>Extremophiles</i> , 18:1085-1094 DOI :10.1007/s00792-014-0686-1	CA	
Siebert, C., Rödiger, T., Mallast, U., Gräbe, A., Guttman, J., Laronne, J.B., Storz-Peretz, Y., Greenman, A., Salameh, E., Al-Raggad, M., Vachtman, D., Ben Zvi, A., Ionescu, D. , Brenner, A., Merz, R., Geyer, S. (2014) Challenges to estimate surface- and groundwater flow in arid regions: The Dead Sea catchment, <i>Science of the Total Environment</i> , 485–486: 828–841, http://dx.doi.org/10.1016/j.scitotenv.2014.04.010		DG DA

Heim, C., Quéric, N. V., Ionescu, D. , Simon, K., Thiel, V. (2013) Chemolithotrophic microbial mats in an open pond in the continental subsurface – implications for microbial biosignatures. <i>Göttingen Contributions to Geosciences</i> , 77:175-188	OA	WP DG DA
Ionescu, D. , Siebert, C., Polerecky, L., Munwes, Y.Y., Lott, C., Häusler S., Bizic-Ionescu, M., Quast, C., Jörg Peplies, J., Glöckner, F.O., Ramette, A., Rödiger, T., Dittmar, T., Oren, A., Geyer, S., Stärk, H.S., Sauter, M., Licha, T., Laronne, B. J., de Beer, D. (2012) Microbial and chemical characterization of underwater fresh water springs in the Dead Sea. <i>PloS One</i> http://dx.plos.org/10.1371/journal.pone.0038319	OA CA	CED WP DG DA
Rao, A. M. F., Polerecky, L., Ionescu, D. , Meysman, F.J.R., de Beer, D (2012) The influence of porewater advection, benthic photosynthesis, and respiration on calcium carbonate dynamics in reef sand. <i>Limnol Oceanogr</i> , 57:809-825	OA	DG DA
Ionescu, D. , Voss, B., Oren, A., Hess, W.R., Muro-Pastor, A. M. (2010) Heterocyst-Specific Transcription of NsiR1, a Non-Coding RNA Encoded in a Tandem Array of Direct Repeats in Cyanobacteria. <i>J Mol Biol</i> , 398:177–188		CED WP DG DA
Ionescu, D. , Malkawi, H., Hindiyeh, M., Oren, A. (2010) Biogeography of thermophilic cyanobacteria - insights from the Zerka Ma'in hot springs (Jordan). <i>FEMS Microbiol Ecol</i> , 72:103-113	OA CA	CED WP DG DA
Oren, A., Ionescu, D. , Hindiyeh, M.Y., Malkawi, H.I. (2009) Morphological, phylogenetic and physiological diversity of cyanobacteria in the hot springs of Zerka Ma'in, Jordan. In: Krupp F, Musselman LJ, Kotb MMA, Weidig I (Eds) <i>Environment, Biodiversity and Conservation in the Middle East. Proceedings of the First Middle Eastern Biodiversity Congress, Aqaba, Jordan, 20–23 October 2008</i> . <i>BioRisk</i> , 3:69–82. doi: 10.3897/biorisk.3.29	OA	CED WP DG DA
Ionescu, D. , Oren, A., Levitan, O., Hindiyeh, M., Malkawi, H., and Berman-Frank, I. (2009) The cyanobacterial community of the Zerka Ma'in hot springs, Jordan: morphological and molecular diversity and nitrogen fixation. <i>Algological Studies</i> , 130:129-144		CED WP DG DA
Ionescu, D. , Penno, S., Haimovich, M., Rihtman, B., Goodwin, A., Schwartz, D., Hazanov, L., Chernihovsky, M., Post, A.F., Oren, A. (2009) Archaea in the Gulf of Aqaba. <i>FEMS Microbiol Ecol</i> , 69:425-38	OA CA	CED WP DG DA
Oren, A., Bina, D., Ionescu, D. , Prášil, O., Reháková, K., Schumann, R., Sørensen, K., Warkentin, M., Woelfel, J., and Zapomelová, E. (2009) Saltern evaporation ponds as model systems for the study of microbial processes under hypersaline conditions – an interdisciplinary study of the salterns of Eilat, Israel, pp. 20-29 in: T.D. Lekkas and N.A. Korovessis (eds.), <i>Proceedings of the 2nd Conference on the Ecological Importance of Solar Saltworks</i> , Merida, Mexico.	OA	DG DA
Oren, A., Ionescu, D. , and Hindiyeh M. 2008. Microalgae and cyanobacteria of the Dead Sea and its surrounding springs. <i>Israeli Journal of Plant Science</i> , 56:1-13		WP DG DA
Elevi Bardavid, R., Ionescu, D. , Oren, A., Rainey, F.A., Hollen, B.J., Bagaley, D.R., Small, A.M., and McKay, C.M. (2007) Selective enrichment, isolation and molecular detection of <i>Salinibacter</i> and related extremely halophilic Bacteria from hypersaline environments. <i>Hydrobiologia</i> , 576:3-13		DG DA
Ionescu, D. , Lipski, A., Altendorf, K., and Oren, A. (2007) Characterization of the endoevaporitic microbial communities in a hypersaline gypsum crust by fatty acid analysis. <i>Hydrobiologia</i> , 576:15-26		WP DG DA

Oren, A., **Ionescu, D.**, Lipski, A., and Altendorf, K. (2005) Fatty acid analysis of a layered community of cyanobacteria developing in a hypersaline gypsum crust. *Algological Studies*, 117:339-347

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Book Chapters

Bizic-Ionescu, M., **Ionescu, D.** Günthel, M., Tang, K., Grossart, H-P. (2018) Oxidic methane cycling - new Evidence for methane formation in oxic lake water. In: Stams, M.J.A., Sousa, D.Z. (ed), *Handbook of Hydrocarbon and Lipid Microbiology Series. Biogenesis of Hydrocarbons*. Springer International. *In press*

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Bizic-Ionescu, M., **Ionescu D.** (2015) Crossing the border - The freshwater/salt saline barrier: A phylogenetic analysis of bacteria inhabiting both freshwater and marine ecosystems. In: Glibert, P.M., Kanna, T.M. (ed), *Aquatic Nutrient Biogeochemistry and Microbial Ecology: A Dual Perspective*. Springer International, pp:35-44.

WP
DG
DA

Ionescu D., Overholt W, Lynch M, Neufeld J, Naqib A, Green S. 2015. Microbial Community Analysis Using High-Throughput Amplicon Sequencing, p 2.4.2-1-2.4.2-26. In Yates M, Nakatsu C, Miller R, Pillai S (ed), *Manual of Environmental Microbiology*, 4th Edition. ASM Press, Washington, DC. doi: 10.1128/9781555818821.ch2.4.2.

WP
DA

Ionescu, D., Oren, A., Hindiyeh, M.Y., and Malkawi, H.I. (2007) The thermophilic cyanobacteria of the Zerka Ma'in thermal springs in Jordan. In: Seckbach, J. (ed.), *Algae in extreme environments*. Springer, Dordrecht, pp: 411-424.

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Popular Science

Ionescu, D., Haeusler, S., Siebert, C., Noriega-Ortega, B., (2013) Springs of life in the Dead Sea (in Hebrew), in Starinsky A., Melach Ha'aretz 7 – A series on Dead Sea research, Magnes, Jerusalem, Israel. pp 15-35.

Cover Images

Environmental Microbiology Reports: Cover of 2015
Geobiology: Volume 13, Issue 2

Contribution to conferences (oral presentations only)

Invited speaker

Ionescu, D., Häusler, S., Siebert, C., Polerecky, L., Munwes, Y.Y., Quast, C., Ramette, A., Dittmar, T., Oren, A., Laronne, B. J., de Beer, D. (2011) Springs of life in a “Dead Sea”. The Third Annual Cooperation Conference – Dead Sea, Jordan. (**Invited keynote speaker**)

Submitted abstracts

Ionescu, D., Bizic-Ionescu, M., De Maio, N., Cypionka, H. & Grossart, H.-P. Community-like genome in single cells of the sulfur bacterium *Achromatium oxaliferum*. SAME15, 2017, Zagreb Croatia

Ionescu, D., Bizic-Ionescu, M., Malik, R., Khalil, A., Grossart, H-P., (2015) Particle associated communities are regulated by antagonistic reactions rather than carbon quality as shown using a new flow-through rolling-tank, ASLO (Aquatic Sciences Meeting) 2015, Granada, Spain

Ionescu, D., Haeusler, S., Siebert, C., Dittmar, T., Polerecky, L., Bižić-Ionescu, M., Quast, C., Oren, A., Laronne, J. B., de Beer, D., (2013) Oases of life in a “Dead Sea”, SAME13, Stresa, Italy.

- Ionescu D.**, Heim, C., Polerecky L., Bizic-Ionescu, M., Quast, C., Thiel, V., Reitner, J., de Beer, D. (2012) Insights into the community structure and activity of the iron oxidizing bacteria in the Äspö -Hard Rock Laboratory. Microbial Ecology Workshop of the Israeli Society of Microbiology, Ein Gedi, Israel
- Ionescu, D.**, Spitzer, S., Schneider, D., Spring, S., Zippel, B., Brinkmann, N., de Beer, D., Reitner, J., Arp, G. (2012) Calcification in hypersaline, EPS rich, microbial mats: a model system from the Atoll Kiritimati, ISME-14, Copenhagen, Denmark.
- Ionescu, D.**, Munwes, Y.Y., Lott, C., Siebert, C., Bizic-Ionescu, M., Polerecky, L., Quast, C., Jörg Peplies, J., Glöckner, F.O., Ramette, A., Häusler, S., Oren, A., Geyer, S., Laronne, B. J., de Beer, D. (2011) Springs of life in a “Dead Sea”. FEMS, Geneva, Switzerland
- Ionescu, D.**, Heim, C., Bizic-Ionescu, M., Thiel, V., Reitner, J., Polerecky L., de Beer, D. (2011) Insights into the community structure and activity of the iron oxidizing bacteria in the Äspö -Hard Rock Laboratory. VAAM, Karlsruhe, Germany
- Ionescu, D.**, Heim, C., Valérie Quéric, N., Lee, N., Liebl, W., Thiel, V., Reitner, J., de Beer, D. (2010) Iron oxides mediated by phototrophic versus chemolithotrophic microorganisms: their potential implications in the formation of banded iron formations. 13th International Symposium on Microbial Ecology, Seattle.
- Ionescu, D.**, Voss, B., Oren, A., Hess, W.R., Muro-Pastor, A. M. (2009) NsiR1 – A nitrogen stress induced Non Coding RNA. Annual Meeting of the Israel Society for Microbiology, Ramat-Gan, Israel.
- Ionescu, D.**, Voss, B., Oren, A., and Hess, W. (2008) Small Non Coding RNAs are involved in the response to nitrogen depletion in the filamentous cyanobacterium *Anabaena* PCC 7120. 7th European Workshop on the Molecular Biology of Cyanobacteria, Ceske Budejovice.
- Ionescu, D.**, Tchernichovsky, M., Hazanov, L., Dorot, A., Vaisman, N., Thiele, S., Oesterwind, K., and Oren, A. (2007) Archaeal communities of the Gulf of Aqaba. Annual meeting of the Israel Society for Oceanography and Marine Sciences, Haifa.
- Ionescu, D.**, Oren, A., Levitan, O., Hindiyeh, M., Malkawi, H., and Berman-Frank, I. (2007) The cyanobacterial community of the Zerka Ma'in hot springs, Jordan: morphological and molecular diversity and nitrogen fixation. 17th Symposium of the International Association for Cyanophyte Research, Merida, Yucatan, Mexico.