ANTONELLA PETRUZZELLA, PhD

Aquatic ecologist
Berlin, Germany

Nationalities: Brazilian/Italian
Email: antonellabio@gmail.com Mobile: +49 162 8414798 ORCID: 0000-0002-3111-3302

www.antonellapetruzzella.com

EDUCATION

Ph.D., Environmental Biology | June 2015 – June 2019
Utrecht University / Netherlands Institute of Ecology (NIOO-KNAW), Utrecht / Wageningen, the Netherlands
Thesis title: Biotic resistance to alien plant invasions in tropical and temperate freshwater ecosystems
Supervisors: Prof Elisabeth S. Bakker, Prof Ellen van Donk, Dr Casper H. A. van Leeuwen

M.Sc., Ecology | March 2013 – March 2015
Universidade Federal do Rio de Janeiro (UFRJ), Rio de Janeiro, Brazil
Thesis title: Influence of herbivore damage on methane emission from emergent aquatic macrophytes
Supervisor: Prof Francisco de Assis Esteves

B.Sc., Biology | Aug 2008 – March 2013
Universidade Federal do Rio de Janeiro (UFRJ), Rio de Janeiro, Brazil

PROFESSIONAL EXPERIENCE

June 2024 – Nov 2025 **Postdoctoral Researcher**
Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB), Berlin, Germany
Critical light and nutrient conditions for shifts between charophytes and angiosperms: Implications for charophyte recovery in oligo-mesotrophic lakes
Advisor: PD Dr Sabine Hilt

Sep 2021 – March 2024 **Young Research Fellow**
Brazilian Platform for Biodiversity and Ecosystem Services (BPBES), Brazil
Author of Chapter 3 – Indirect and direct drivers affecting the introduction, establishment and spread of invasive alien species in the Thematic Report on Invasive Alien Species

Oct 2019 – Dec 2023 **Postdoctoral Research Fellow**
Centre for Biological Control (CBC), Rhodes University, Grahamstown, South Africa
Restoration of freshwater ecosystems following invasive plant management
Advisor: Prof Julie A. Coetzee

March 2015 **Research Assistant**
Monitoramento Limnológico do Igarapé Água Fria - Porto Trombetas (Amazonia), Pará, Brazil (Biomonitoring of Amazonian streams)
Monitoring of biotic communities (e.g., phytoplankton, zooplankton, macroinvertebrates, etc..) and limnological variables | Limnos Consultoria Ambiental LTDA

2013 – 2014 **Research Assistant**
Estudos limnológicos na FLONA de Carajás (Amazonia), Pará, Brazil (Biomonitoring of Amazonian lagoons)
Survey and identification of aquatic macrophyte species, monitoring of other biotic communities (e.g., phytoplankton, zooplankton, macroinvertebrates, etc..) and limnological variables | Limnos Consultoria Ambiental LTDA

GRANTS AND AWARDS

2024 Leibniz Institute of Freshwater Ecology and Inland Fisheries **(**IGB) postdoctoral fellowship, Germany **(≈ € 90 000)**
Proposal: Critical light and nutrient conditions for shifts between charophytes and angiosperms: Implications for charophyte recovery in oligo-mesotrophic lakes

2023 Rhodes University Travel & Subsistence grant (16th International Symposium on Aquatic Plants, Belgium), South Africa | Grant number: TSPD13/2023 **(R25 000 (≈ € 1215))**

IOBC (International Organisation for Biological Control) - Global Early Career Award (to support biocontrol researchers and practitioners to attend XVI International Symposium on Biological Control of Weeds, Puerto Iguazu, Misiones, Argentina) **(€ 500)**

Rhodes University Postdoctoral Research Fellowship, South Africa **(R180 000 (≈ € 10 000))**
Proposal: Achieving the goal "more natives, less invasives": Priority effects as a potential tool for restoration

2022 Rhodes University Travel & Subsistence grant ('MadMacs' research workshop at the Norwegian Institute for Water Research (NIVA), Norway), South Africa | Grant number: TSP24/2022 **(R30 000 (≈ € 1650))**

ICAIS 2022 Diversity Bursary program (registration fee as a virtual speaker to the 22nd International Conference on Aquatic Invasive Species) **(€ 200)**

Rhodes University Research Committee Grant, South Africa **(R15 000 (≈ € 870))**
Proposal: Achieving the goal "more natives, less invasives": Priority effects as a potential tool for restoration

2015 Science Without Borders Scholarship (full PhD abroad). CNPq – Brazilian National Council for Scientific and Technological Development, Brazil | Grant number: 207514/2014-3 **(≈ € 87,906.55)**

2014 Bolsa Nota 10 (scholarship awarded to two best students of the master program). FAPERJ – Carlos Chagas Filho Foundation for Research Support of the State of Rio de Janeiro **(R$ 26 400 (≈ € 8 500))**

PEER-REVIEWED PUBLICATIONS (students under my supervision are underlined)

Summary 15 peer-reviewed publications (6 as first author, 1 as last author)
438 Citations, h-index of 9 (Google Scholar as of October 2026)

15- Trottier L.L., Lewerentz A., Brzozowski M., Bouma K., Brito L., Burke C., Dalla Vecchia A., Gilson A., Gyosheva B., Hoblyn A., Kenfack S.N., Liu Y., Misteli B., Papatheodoulou A., Fernandez Pascual J.A., Petrulaitis L., Plakias A., Smulders F.O.H., van der Zon K.A.E., **Petruzzella A. (2027)** Growing together: Early-career perspectives on the current state and future of macrophyte research. *Aquatic Botany* 208:104049 https://www.sciencedirect.com/science/article/pii/S0304377026000616

14- Lobato-de Magalhães T., Murphy K., Davidson T.A., García-Girón J., Efremov A., Chepinoga V., Molina-Navarro E., Franceschini C., Mormul R.P., Fu H., Bolpagni R., Nascimbene J., Manzo L., Epele L.B., Tapia-Grimaldo J., Schneider B., Mayora G., Tendar P., Cooper D., Malik Al-Saadi S.A.A., Hofstra D., de Winton M., Nikolić Lj., de Oliveira V.B., Pivari M.O.D., **Petruzzella A.**, Fleming J.P., Perleberg D.J., Varandas-Martins S., Wersal R.M., Džigurski D., Ljevnaić-Mašić B., Radomski P., Kennedy M., Lang P., Matias L., Albuquerque A.C., de Sousa Rodrigues-Filho C.A., Germ M., Kuhar U., Grasel D., Madsen J., Aroviita J., Alahuhta J. **(2026)** Fine-

scale patterns and drivers of ploidy state in lentic and lotic macrophyte assemblages across the world. *Aquatic Botany* 202:103943 https://doi.org/10.1016/j.aquabot.2025.103943

13- Vermaat J.E., Thiemer K., Immerzeel B., Schneider S.C., Sebola K., Coetzee J.A., **Petruzzella A.**, Motitsoe S.N., Baldo M., Misteli B., Thiebaut G., Hilt S., Köhler J., Harpenslager S.F. **(2025)** Does perceived nuisance abundance of water plants match with willingness-to-pay for removal? Contrasts among different user categories. *Environmental Management* 75:464–476 https://doi.org/10.1007/s00267-024-02046-5

12- Wood K.A., Jupe L.L., Aguiar F.C., Collins A.M., Davidson S.J., Kirkpatrick L., Magalhães T.L., McKinley E., Nuno A., Pagès J.F., **Petruzzella A.**, Pritchard D., Reeves J.P., Thomaz S.M., Thornton S.A., Walton-Freeman W., Yamashita H., Newth J.L. **(2024)** A global systematic review of the cultural ecosystem services provided by wetlands. *Ecosystem Services* 70:101673 https://doi.org/10.1016/j.ecoser.2024.101673

11- Schneider S.C., Coetzee J.A., Galvanese E.F., Harpenslager S.F., Hilt S., Immerzeel B., Köhler J., Misteli B., Motitsoe S.N., Padial A.A., **Petruzzella A.**, Schechner A., Thiebaut G., Thiemer K., Vermaat J.E. **(2024)** Causes of macrophyte mass development and management recommendations. *Science of The Total Environment* 931:172960 https://doi.org/10.1016/j.scitotenv.2024.172960

10- Sandenbergh E., **Petruzzella A.,** Coetzee J.A. **(2024)** Distribution and sexual reproductive potential of *Iris pseudacorus* L. (Iridaceae) in South Africa. *South African Journal of Botany* 167:31-39 https://doi.org/10.1016/j.sajb.2024.01.067

9- Vermaat J.E., Thiemer K., Immerzeel B., Schneider S.C., Sebola K., Coetzee J.A., **Petruzzella A.**, Motitsoe S.N., Baldo M., Misteli B., Thiebaut G., Hilt S., Köhler J., Harpenslager S.F. **(2024)** Mass development of aquatic plants: Effects of contrasting management scenarios on a suite of ecosystem services. *Journal of Applied Ecology* 61:76-89 https://doi.org/10.1111/1365-2664.14539

8- Petruzzella A., Rodrigues T.A.S.S.R., van Leeuwen C.H.A., Esteves F.A., Figueiredo-Barros M.P., Bakker E.B. **(2020)** Species identity and diversity effects on invasion resistance of tropical freshwater plant communities. *Scientific Reports* 10:5626 https://doi.org/10.1038/s41598-020-62660-1

7- Petruzzella A., van Leeuwen C.H.A., van Donk E., Bakker E.S. **(2020)** Direct and indirect effects of native plants and herbivores on biotic resistance to alien aquatic plant invasions. *Journal of Ecology* 108:1487–1496 https://doi.org/10.1111/1365-2745.13380

6- Zhang P., Grutters B.M.C., van Leeuwen C.H.A., Xu J., **Petruzzella A.**, van den Berg R.F., Bakker E.S. **(2019)** Effects of rising temperature on the growth, stoichiometry, and palatability of aquatic plants. *Frontiers in Plant Science* 9:1947 https://doi.org/10.3389/fpls.2018.01947

5- Petruzzella A., Manschot J., van Leeuwen C.H.A., Grutters B.M.C., Bakker E.S. **(2018)** Mechanisms of invasion resistance of aquatic plant communities. *Frontiers in Plant Science* 9:134 https://doi.org/10.3389/fpls.2018.00134

4- Petruzzella A., Grutters B.M.C., Thomaz S.M., Bakker E.S. **(2017)** Potential for biotic resistance from herbivores to tropical and subtropical plant invasions in aquatic ecosystems. *Aquatic Invasions* 12(3): 343-353 https://doi.org/10.3391/ai.2017.12.3.08

3- Petruzzella A., Guariento R.D., Gripp A.R., Marinho C.C., Figueiredo-Barros M.P., Esteves F.A. **(2015)** Herbivore damage increases methane emission from emergent aquatic macrophytes. *Aquatic Botany* 127: 6-11 https://doi.org/10.1016/j.aquabot.2015.07.003

2- Petruzzella A., Marinho C.C., Sanches L.F., Minello M., Esteves F.A. **(2013)** Magnitude and variability of methane production and concentration in tropical coastal lagoons sediments. *Acta Limnologica Brasiliensia* 25(3): 341-351 https://www.scielo.br/j/alb/a/byjZhH84VfXGSGFnJqb8wKy/

1- Gripp A.R., Marinho C.C., Sanches L.F., **Petruzzella A.**, Esteves F.A. **(2013)** The role played by aquatic macrophytes regarding CO_2 balance in a tropical coastal lagoon (Cabiúnas Lagoon, Macaé, RJ). *Acta Limnologica Brasiliensia* 25(3): 291-301 https://www.scielo.br/j/alb/a/LPrh65WBBqV4njBWPT8Wrfj/

BOOK CHAPTERS

1- Bergallo, H.G., dos Santos, L.N., Barros, F., **Petruzzella, A.,** Figueiredo, B.R.S., Pereira, A.D., Latini, A.O., Lopes, A.V., Rosa, C., Vieira Filho, E.A., Evangelista, E.F., Dias, G.M., Ortega, J.C.G., Capel, K.C.C., Abreu, R.C.R. **(2024)** Capítulo 3: Vetores de mudança diretos e indiretos que afetam a introdução, o estabelecimento e a disseminação de espécies exóticas invasoras. *In: Dechoum, M.S., Junqueira, A.O.R., Orsi, M.L. (Org.). Relatório Temático sobre Espécies Exóticas Invasoras, Biodiversidade e Serviços Ecossistêmicos.* 1a Ed. São Carlos: Editora Cubo, P. 92-132 https://doi.org/10.4322/978-65-00-87228-6.cap3
https://www.bpbes.net.br/wp-content/uploads/2024/02/Relatorio-Tematico-Sobre-Especies-Exoticas-Invasoras.pdf

OTHER PUBLICATIONS
TECHNICAL REPORTS, NON-PEER-REVIEWED CONTRIBUTIONS…

3- Coetzee J.A., **Petruzzella A.**, Sebola K., Motitsoe S.N. **(2023)** « MADMACS » - Mass Development of Aquatic Macrophytes: Causes and consequences of macrophyte removal for ecosystem structure, function, and services. Water Research Commission (WRC) Report No. 2951/1/23, South Africa

2- Schneider S.C., Coetzee J.A.**,** Galvanese E.F., Harpenslager S.F., Hilt S., Immerzeel B., Köhler J., Misteli B., Motitsoe S.N., Padial A.A., **Petruzzella A.**, Schechner A., Sebola K., Thiebaut G., Thiemer K., Vermaat J.E. **(2022)** Causes of macrophyte mass development and recommendations for managing water courses with dense aquatic vegetation. IC4WATER – Water JPI Technical report

1- Coetzee J.A.**,** Galvanese E.F., Harpenslager S.F., Hilt S., Köhler J., Misteli B., Motitsoe S.N., Padial A.A., **Petruzzella A.**, Schneider S.C., Schechner A., Sebola K., Thiebaut G., Thiemer K., Vermaat J.E. **(2022)** Guidelines for managing mass developments of aquatic plants: a cookbook tool https://www.antonellapetruzzella.com/_files/ugd/5a4f7d_42e58c7419ad47c8a771bdca02baa7f9.pdf

STUDENT SUPERVISION

Masters

Feb 2025 – Ongoing — **Elizabeth Magadzi**, University of the Witwatersrand, Johannesburg, South Africa
Thesis: Diatom community dynamics during the invasion of free-floating alien plants, their control, and native revegetation
(co-supervising with Dr Samuel N. Motitsoe and Prof Julie A. Coetzee)

Feb 2025 – Ongoing **Naledi Moteka**, University of the Witwatersrand, Johannesburg, South Africa
Thesis: Responses of zooplankton communities to free-floating plant invasion, control, and active restoration of submerged aquatic vegetation
(co-supervising with Dr Samuel N. Motitsoe and Prof Julie A. Coetzee)

Feb 2023 – Ongoing **Lulutho Mancunga**, Centre for Biological Control – Rhodes University, South Africa
Thesis: Macroinvertebrate community responses to native plant restoration following invasive plant control and re-invasion
(co-supervising with Dr Samuel N. Motitsoe and Prof Julie A. Coetzee)

Feb – Dec 2023 **Eva A.M.M. Rekkers**, Leiden University, Leiden, the Netherlands
Thesis: Phytoplankton responses to invasive alien aquatic plant control in South African freshwater systems (co-supervised with Prof Emily F. Strange and Dr Samuel N. Motitsoe)

March 2018 – March 2020 **Tauany Aparecida da Silva Santa Rosa Rodrigues**, Federal University of Rio de Janeiro, Brazil
Thesis: Efeito da diversidade de espécies de plantas nativas sobre a resistência à invasão em ecossistems tropicais e subtropicais
(co-supervised with Prof Francisco de Assis Esteves)

Feb – Dec 2016 **Johan Manschot**, Radboud University, Nijmegen, the Netherlands
Thesis: The resistance mechanism of aquatic plant communities to invasion by Lagarosiphon major
(co-supervised with Prof Liesbeth S. Bakker)

Honours

Feb – Dec 2023 **Naledi Moteka**, University of the Witwatersrand, Johannesburg, South Africa
Thesis: The response of zooplankton diversity and size following the management of Salvinia molesta
(co-supervising with Dr Samuel N. Motitsoe and Prof Julie A. Coetzee)

Feb – Dec 2023 **Hlumelo Theo Mantshi**, Centre for Biological Control – Rhodes University, South Africa
Thesis: Short-term effects of invasive free-floating aquatic plant control on macroinvertebrate communities in South Africa
(Main supervisor, supervising with Dr Samuel N. Motitsoe)

TEACHING EXPERIENCE

Feb – March 2023 **Lecturer**
Biological statistics course (Hons level), Department of Zoology & Entomology, Rhodes University, South Africa. Module: Design and analysis of experiments. Planed and taught lectures with R tutorials. Co-lectures: Prof Shelley Edwards and Prof Martin Villet

Sept – Oct 2022 **Teaching assistant**
Zoology 102 course (BSc level), Department of Zoology & Entomology, Rhodes University, South Africa. Marked essays and tests. Course leader: Dr Candice Owen

April – May 2022 **Lecturer**
Biological statistics course (Hons level), Department of Zoology & Entomology, Rhodes University, South Africa. Module: Design and analysis of experiments. Planed and taught lectures with R tutorials. Co-lectures: Prof Shelley Edwards and Prof Martin Villet

Feb 2016/2018 **Teaching assistant**
Aquatic Ecology course – practical module (MSc level), Utrecht University, the Netherlands. Trained students in literature searches, experimental design, lab techniques and analyses. Taught lectures, provided in lab supervision, and marked assignments. Course leader: Prof Ellen van Donk

Aug 2013 **Lecturer and teaching assistant**
IBE405 Ecologia de aguas doces (Freshwater Ecology course) (BSc level), Department of Ecology, Federal University of Rio de Janeiro (Macae Campus), Brazil (Co-designed course structure). Trained students in limnological sampling (abiotic variables, phytoplankton, zooplankton, sediment) and aquatic macrophyte species identification in tropical coastal lagoons (Jurubatiba Sandbank National Park, Brazil). Taught lectures and marked assignments. Course leader: Prof Francisco de Assis Esteves

Feb 2011 **Undergraduate teaching assistant**
IBE405 Ecologia de aguas doces (Freshwater Ecology course) (BSc level), Department of Ecology, Federal University of Rio de Janeiro (Macae Campus), Brazil. Trained students in limnological sampling (abiotic variables, phytoplankton, zooplankton, sediment) and aquatic macrophyte species identification in tropical coastal lagoons (Jurubatiba Sandbank National Park, Brazil). Course leader: Prof Francisco de Assis Esteves

2009-2010 **Undergraduate teaching assistant**
IBE121 Elementos de ecologia (Elements of Ecology course) (BSc level), Department of Ecology, Federal University of Rio de Janeiro (Rio de Janeiro Campus), Brazil. Trained students in river sampling techniques. Supervised and marked assignments. Course leader: Prof Vinicius Fortes Farjalla

INVITED TALKS

2025 **Rooted in the future: An ECR perspective of aquatic plant research**
Keynote speaker at the 17th International Symposium on Aquatic Plants (15-19/09/2025), Lisbon, Portugal (https://congressos.mundiconvenius.pt/geral/paginas.aspx?cod=227)

From stress to recovery: using experimental ecology to improve freshwater restoration
IGB colloquium

PRESENTATIONS AT SCIENTIFIC CONFERENCES AND MEETINGS

2026 Rooted in the future: An ECR perspective of aquatic plant research | ASLO-SIL 2026 Joint Meeting | Montreal, QC, Canada | **Oral presentation**

2025 Critical light and nutrient conditions for shifts between charophytes and vascular aquatic plants: Implications for charophyte restoration in hardwater lakes| 17th International Symposium on Aquatic Plants | Lisbon, Portugal | **Oral presentation**

2023 Achieving the goal “more natives, less invasives”: Priority effects as a potential tool for restoration | 16th International Symposium on Aquatic Plants | Antwerp, Belgium | **Oral presentation**

Does native aquatic plant diversity recover after biological control of invasive floating plants? |XVI International Symposium on Biological Control of Weeds (ISBCW 2023) | Puerto Iguazú, Misiones, Argentina | **Oral presentation**

2022 Achieving the goal “more natives, less invasives”: Priority effects as a potential tool for restoration | National Symposium on Biological Invasions 2022 | Alice, EC, South Africa | **Speed oral presentation**

MadMacs: “Mass development of aquatic macrophytes: causes and consequences of macrophyte removal for ecosystem structure, function, and services” | ICAIS 2022 - 22nd International Conference on Aquatic Invasive Species | Oostende, Belgium (Hybrid event) | **Virtual oral presentation**

2021 MadMacs: Mass development of aquatic macrophytes: causes and consequences of macrophyte removal for ecosystem structure, function, and services | National Symposium on Biological Invasions 2021 | South Africa (Online event) | **Virtual oral presentation**

2019 Direct and indirect effects of native plants and herbivores on biotic resistance to alien aquatic plant invasions **|** XVII Congresso Brasileiro de Limnologia & II Congresso Ibero-Americano de Limnologia | Florianopolis, SC, Brazil | **Oral presentation**

2018 Mechanisms of invasion resistance of tropical freshwater plant communities | ASLO Summer meeting (Association for the Sciences of Limnology and Oceanography) | Victoria, BC, Canada | **Oral presentation**

Mechanisms of invasion resistance of aquatic plant communities |15th International Symposium on Aquatic Plants | Queenstown, New Zealand | **Oral presentation**

2016 Is there a latitudinal gradient of biotic resistance to plant invasion? | XXXIII SIL (International Society of Limnology) | Turin, Italy | **Oral presentation**

Biotic resistance strength against invasive aquatic macrophytes in tropical and temperate wetlands | NAEM 2016 (Netherlands Annual Ecology Meeting) | Lunteren, the Netherlands | **Poster presentation**

2015 Does herbivore damage increase methane emissions from emergent aquatic macrophytes? | 14th International Symposium on Aquatic Plants | Edinburgh, Scotland | **Poster presentation**

2014 Does herbivore damage increases methane emission by aquatic macrophytes? 99th Ecological Society of America Annual Meeting (ESA) | Sacramento, CA, USA | **Poster presentation**

2013 Influencia da herbivoria sobre a emissao de metano por macrofitas aquaticas: uma abordagem experimental | XIV Congresso Brasileiro de Limnologia | Bonito, MS, Brazil | **Oral presentation**

2011 Variacao diaria do fluxo de CO2 de duas macrofitas aquaticas e sua importancia para o balanco de carbono em uma lagoa costeira do litoral norte do Rio de Janeiro | XIII Congresso Brasileiro de Limnologia | Natal, RN, Brazil | **Poster presentation**

(excluding co-author presentations)

MEDIA & SCIENCE OUTREACH

2022 – 2023 Insect mass-rearing satellite stations – *Cyrtobagous salviniae* weevil
Community engagement project supporting the biological control of the invasive free-floating plant *Salvinia molesta*. Trained local community members and government partners in mass-rearing and release of the weevil, as well as in monitoring invasion status at sites across the Garden Route (George, Jeffreys Bay, and Plettenberg Bay), South Africa
https://www.news24.com/news24/community-newspaper/kouga-express/humble-beetle-to-rescue-local-dam-20220706

2022 Scifest Africa – South Africa's National Science Festival
Engaged in science communication with the general public (https://www.scifest.org.za/)

2021 – 2023 Centre for Biological Control social media (Instagram) co-moderator
Science communication through social media. I contributed monthly posts that help the general public understand who we are, what we do in the lab and field, and how science is applied to address everyday environmental challenges (https://www.instagram.com/rhodesunicbc/).

2019 Opinion: 'Salary gap among PhD students is very unfair' – Resource WUR Magazine, the Netherlands (https://www.resource-online.nl/index.php/2019/03/28/opinion-salary-gap-among-phd-students-is-very-unfair/?lang=en)

2016 Netherlands Institute of Ecology (NIOO) open days
Engaged in science communication with the general public

2013 Contributed blog articles for the Laboratory of Limnology (UFRJ, Rio de Janeiro, Brazil) (https://limnonews.wordpress.com/2013/07/11/o-maravilhoso-mundo-das-macrofitas-aquaticas/)

2010 Semana Nacional de Ciencia e Tecnologia na UFRJ
Engaged in science communication with the general public (https://semanact.mcti.gov.br/)

TRANSNATIONAL ACTIVITIES AND RESEARCH VISITS

2020 – 2022 Collaborator within the MadMacs project (Mass development of aquatic macrophytes – causes and consequences of macrophyte removal for ecosystem structure, function, and services). Joint transnational call: 2017 Water Challenges for a Changing World by Water JPI. The project consisted of a consortium between South Africa, Norway, France, Germany, and Brazil. Project leader: Dr Susanne C. Schneider (NIVA, Norway). Role: I coordinated the South African field samplings (5). Responsible for the South African data management and exchange, co-writing the deliverables including scientific papers, technical reports, and guidelines for managers (see Other publications section) (https://www.niva.no/en/projects/madmacs)

MadMacs final working group workshop, 24-27/10/22, Norwegian Institute for Water Research (NIVA), Oslo, Norway.

2020 Shared threats, opportunities and collaboration avenues in aquatic invasion ecology between South Africa, Argentina and Brazil. Working group workshop, 12-14/02, Kenton, South Africa

2017 Visiting PhD student at the NUPEM/Federal University of Rio de Janeiro, Macae-RJ, Brazil to run an experiment on plant species diversity effects on invasion resistance in tropical freshwater ecosystems (6 months)

PUBLIC AND PROFESSIONAL SERVICES

Reviewer for scientific journals
Global Change Biology, Hydrobiologia**,** Aquatic Ecology, Functional Ecology, Aquatic Botany**,** Acta Limnologica Brasiliensia

2026 | **Reviewer of research project proposals for the Czech Science Foundation** - **Judge for Best Poster Award**, ASLO-SIL 2026 Joint Meeting (12-16 May), Montreal, QC, Canada

2025 | **Selection committee member for the tenure-track position** in 'Freshwater Ecosystem Modelling' at the Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB), Berlin

2022 | **Reviewer for the South African Alien Species Risk Analysis Review Panel (ASRARP).** Provided advice on biological invasion management and risk assessment for the import or listing of alien species - **Judge for Best Poster Award**, National Symposium on Biological Invasions (6-8 July), South Africa - **Organizing Committee Member, Monthly Departmental Seminars,** Department of Zoology & Entomology, Rhodes University. Coordinated seminar logistics and supported speaker engagement

2015 – 2019 | **Organizing Committee Member, PhD Meetings and Events,** Netherlands Institute of Ecology (NIOO-KNAW). Coordinated and supported academic and professional development activities for PhD researchers

2010-2011 | **Co-organizer of the Biology Academic Week** at Federal University of Rio de Janeiro (UFRJ), Brazil

ACCREDITATIONS AND QUALIFICATIONS

Research Associate

Research Fellow (Centre for Invasion Biology (CIB), South Africa) https://blogs.sun.ac.za/cib/res-fellows/

Member

International Society of Limnology (since 2025)
British Ecological Society (since 2022)
Society for Ecological Restoration (since 2023)

Qualifications

International driving license
PADI Open Water Diver certified

REFERENCES

PD Dr Sabine Hilt
Research Group Leader | Head of department 2: Community and Ecosystem Ecology
(+49) 30 64181677 | sabine.hilt@igb-berlin.de
Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB), Berlin, Germany

Prof Julie A. Coetzee
NRF/SAIAB SARChI | Deputy Director: Centre for Biological Control, Rhodes University
(+27) 82 886 5706 | julie.coetzee@ru.ac.za
Centre for Biological Control (CBC),
Rhodes University, Grahamstown, South Africa

Prof Liesbeth S. Bakker
Professor in Rewilding Ecology
(+31) 317 473557 | L.Bakker@nioo.knaw.nl
Netherlands Institute of Ecology (NIOO-KNAW), Wageningen University, Wageningen, the Netherlands

Prof Francisco de Assis Esteves
Professor in Ecology
(+55) 21 981016782 | festeves0409@gmail.com
Departamento de Ecologia, Instituto de Biologia, Universidade Federal do Rio de Janeiro (UFRJ)/ Instituto de Biodiversidade e Sustentabilidade (NUPEM), Brazil