

CONTACT INFORMATION

✉ j.j.viljoen@exeter.ac.uk

[Personal Website](#)

 [ORCID-ID](#)

[Google Scholar](#)

[LinkedIn](#)

LANGUAGES

- English
- Afrikaans

FUNDING

- DEES Strategic research funds

CRUISE EXPERIENCE

SCALE Winter Cruise (July 2019)

- Atlantic Southern Ocean
- Ship: SA Agulhas II

Winter Cruise 2017 (July-Aug 2017)

- Indian Southern Ocean
- Ship: SA Agulhas II

SANAE 56 Antarctic (Nov'16-Feb'17)

- Atlantic Southern Ocean
- SANAE Antarctic Base
- Ship: SA Agulhas II

PEER-REVIEW

- Communication Biology
- JGR: Biogeosciences

REFERENCES

Dr. Robert J. W. Brewin (Postdoc PI)

Senior Lecturer
University of Exeter
r.brewin@exeter.ac.uk;
+(44) 1326 255119

Dr. Susanne Fietz (PhD Supervisor)

Senior Lecturer
Stellenbosch University
sfietz@sun.ac.za; +(27) 79 369 4250

Prof. Alakendra N Roychoudhury

Stellenbosch University
roy@sun.ac.za

Dr. Peter Morton

Texas A&M University
pete.morton@tamu.edu

Johannes J. Viljoen

Postdoctoral Research Associate
Centre for Geography and Environmental Science
University of Exeter, Penryn Campus
[Website](#)

Biological Oceanography & Marine Biogeochemistry

EDUCATION

Doctor of Philosophy (PhD) - Earth Science (2019-2022)

Stellenbosch University, South Africa

Thesis:

Phytoplankton and trace metal dynamics in the Southern Ocean

Master of Science (MSc) - Earth Science, Cum Laude (2017-2021)

Stellenbosch University, South Africa

Thesis: *Chemtax determination of Southern Ocean phytoplankton distribution and adaptation.*

Bachelor of Sci. (Hons) - Env. Geochemistry (2016)

Stellenbosch University, South Africa

Bachelor of Science (BSc) - Earth Science

Stellenbosch University, South Africa

WORK EXPERIENCE

Postdoctoral Research Associate (June 2022 -)

University of Exeter, UK

UKRI FLF Project: Phytoplankton response to climate change (PRIME).

PI: Bob Brewin

TracEx group Geochem lab manager (2017 - 2021)

Stellenbosch University, South Africa

Responsible for procurement of chemical supplies and consumables, maintenance and student training.

Research/Teaching assistant (2017 - 2019)

Stellenbosch University

Facilitated tutorials and practicals for second-year env. geochemistry students. Presented on the topic of phytoplankton pigments.

PUBLICATIONS

- **Viljoen, J.J.**, Weir, I., Fietz, S., Cloete, R., Loock, J., Philibert, R., Roychoudhury, A.N., 2019. Links between the phytoplankton community composition and trace metal distribution in summer surface waters of the Atlantic Southern Ocean. *Front. Mar. Sci.* 6, 295. <https://doi.org/10.3389/fmars.2019.00295>
- **Viljoen, J.J.**, Philibert, R., Van Horsten, N., Mtshali, T., Roychoudhury, A.N., Thomalla, S., Fietz, S., 2018. Phytoplankton response in growth, photophysiology and community structure to iron and light in the Polar Frontal Zone and Antarctic waters. *Deep. Res. Part I Oceanogr. Res. Pap.* 141, 118–129. <https://doi.org/10.1016/j.dsr.2018.09.006>
- Barlow, R., Lamont, T., **Viljoen, J.J.**, Airs, R., Brewin, R., Tilstone, G., Aiken, J., under review. Latitudinal variability and adaptation of phytoplankton in the Atlantic Ocean. *Deep. Res. Part I.* <https://doi.org/10.1016/j.jmarsys.2022.103844>
- Brewin, R., Sun, X., Aurin, D.A., **Viljoen, J.J.**, Walsh, C., Shubha Sathyendranath, S. (Submitted). Validation of satellite ocean colour data on a superyacht. *Frontiers in Remote Sensing.*