



The Survivors' Guide to Stable Isotope Ecology IV - online **Monday 12th - Friday 16th April 2021**

Dates Monday 12th - Friday 16th April 2021

Times - 16.00 - 20.00 CEST (Central European Summer Time)

Number of participants – 20 min-30 max

Course Fee per Student - €350

The uncertainty caused by the Covid crisis has made a face-to-face course impossible this Spring, however the fourth edition of The Survivors' Guide to Stable Isotope Ecology is going ahead anyway and sees our great team of lecturers from all over the world come together again - online - to unlock the secrets of stable isotopes for you. The course will run for four-hour sessions over five days from 12-16 April 2021, using Zoom, shared google docs, Dropbox etc.

Stable isotopes are a powerful and ubiquitous tool in modern ecology. When used correctly, they can unlock the mysteries of food-webs, species interactions, ecophysiology, and migration patterns across the globe. However, incorrect use can result in expensively compiled, useless datasets. This course will give you the skills to maximise the benefit of the use of stable isotopes in your current or future research.

Course instructors include leading experts in the application of stable isotopes of carbon, nitrogen, hydrogen, oxygen and sulphur to marine, freshwater and terrestrial ecology and archaeology in addition to expertise in the growing field of compound specific stable isotope analysis and the analysis of stable isotope data. They will be available during 'open office hours' outside of course hours for discussion about individual research.

SGSIE Instructors 2021

Prof. Chris Harrod, Universidad de Antofagasta, Chile

<http://harrodlab.net/>

Dr. Brian Hayden, Science Manager, Stable Isotopes in Nature Laboratory, University of New Brunswick, Canada www.atomicceology.com

Dr. Alexia Massa-Gallucci, Exedra Mediterranean Center, Italy - AquaBioTech Group, Malta

<https://www.aquabt.com/staff>,

Prof. Seth Newsome, University of New Mexico, USA

sethnewsome.org/sethnewsome/Home.html

Dr. Tamsin O'Connell, University of Cambridge, UK

<https://www.arch.cam.ac.uk/directory/tco21>

Dr Clive Trueman, Associate Professor in Marine Ecology, University of Southampton, UK

<https://www.southampton.ac.uk/oes/research/staff/trueman.page>

The course is tailored to postgraduate students and postdoctoral researchers with some or no experience.

SGSIE IV 12-16 April 2021

Exedra Mediterranean Center, Palazzo Francica Nava, Via S. Landolina 5, 96100 Siracusa, Italy
Email: info@exedramc.com Website: www.exedramc.com Tel.: +39 0931 463976 +39 366 190 7984

The online programme includes a combination of lectures, interactive sessions and data analysis to provide the students with a thorough understanding of the use of stable isotopes in ecology. The online format will replicate the lectures and discussions of the face-to-face version as closely as possible.

The course program will include theoretical and practical applications of stable isotopes to ecology:

- Spatial patterns of isotopes (i.e. biogeochemical cycling and isoscapes),
- The use of stable isotopes in trophic ecology (bulk and compound specific datasets),
- Experimental design and sample preparation
- Stable Isotopes and their use in physiology,
- Introduction to data visualisation and analysis in R: (including SIBER, SIMMR, MixSIAR and tRophicposition packages)
- Interactive sessions with students and tutors to discuss key scientific papers and student's research projects.

REGISTRATION AND COURSE FEES

Applications to info@exedramc.com and online through the course webpage at www.exedramc.com/course/the-survivors-guide-to-stable-isotope-ecology-iv/

To apply, please

- ❖ complete the on-line registration form
- ❖ send a half page **letter of intention** detailing your research interests and experience and how you intend to apply stable isotopes to your current or future project.
- ❖ complete the information form you will be sent
- ❖ pay the course fee within two weeks to confirm your place.

Course fee includes:

- ❖ Tuition
- ❖ Certificate of participation

TERMS AND CONDITIONS

ENROLLMENT AND PAYMENT OF COURSE FEE

EARLY ENROLLMENT AND PAYMENT - by end of February 2021 registration fee of **€320** euros

REGULAR ENROLMENT AND PAYMENT - by end of March 2021 registration fee of **€350** euros

LATE ENROLLMENT AND PAYMENT - if places are still available 1st-10th April registration fee of **€380** euros

HOW TO PAY

You will receive a pro-forma invoice via Paypal which can be paid

- ❖ using Paypal (plus transaction 'spedizione' fee of €20)
- ❖ by card
- ❖ by bank transfer

Beneficiary name : EXEDRA s.r.l.s.
Bank name : BANCA AGRICOLA POPOLARE DI RAGUSA
Address: Corso Umberto - Agenzia n. 1
Account number/C.C: 1351661933
IBAN : IT 96 G05036 17101 CC 1351661933
BIC : POPRIT31135

If paying by bank transfer, please indicate for whom the payment is being made by stating clearly the **student's name** and the **name of the course**.

COURSE CANCELLATION

Cancellations must be communicated in writing to info@exedramc.com.

For cancellations made **after** payment of the course fees and before the course begins, Exedra Mediterranean Center will refund 70% of the fee (245 euros).

If participants decide not to attend classes after the course begins or to drop out of the course, they are not entitled to any refund, except in exceptional documented circumstances.

PARTICIPANTS

A minimum of 20 participants is required for this course. Exedra Mediterranean Center reserves the right to cancel the course if there are not enough participants. Any participants who have already signed up and paid for a course that does not run will be reimbursed **the whole fee**.

PERSONAL DATA

The participant authorises Exedra Mediterranean Center to use his/her personal data in accordance with the current GDPR EU law.

The participant authorises Exedra Mediterranean Center to send information and promotional material periodically about the center and the courses offered.

The participant may request at any moment that all of this information is deleted.



USE OF PHOTOS AND COMMENTS

Permission is given for the use of participant's comments or testimonials and photographs/ images of participants in the official promotional material for Exedra Mediterranean Center by the participant or their parents or legal guardian with acceptance of these terms and conditions.

For more information and enquiries:

Email: info@exedramc.com Tel.: +39 366 1907984

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