

Center for Ecology, Evolution and Environmental Changes

Azorean Biodiversity Group

Grupo da Biodiversidade dos Açores (ABG/cE3c)

2019 Annual Report

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Research Area: Biological Sciences

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Angra do Heroísmo & Ponta Delgada, February 2020

I-Executive summary

In 2015 the Azorean Biodiversity Group was recognized by the University of the Azores as a regional Research Centre. At a national level, Azorean Biodiversity Group is a regional sub-group of the CENTRE FOR ECOLOGY, EVOLUTION AND ENVIRONMENTAL CHANGES (cE3c), based in Lisbon and awarded with the Classification of EXCELLENT by FCT in December of 2014. cE3c's main objective is to perform research that addresses societal challenges in ecology, evolution and the environment, the three Es in the centre's name, for the 2015-2020 period covering the EU 2020 Horizon. The Azorean Biodiversity Group is subdivided in two main groups with specific objectives, the "Island Biodiversity, Biogeography & Conservation - IBBC" and the "Island Environmental Risks & Society - IERS".

In 2019, the main achievements of the 26 integrated members with Ph.D. of ABG-cE3c included 201 publications, 60 of which in International Indexed Journals with Impact Factor. The mean Impact Factor in 2019 in SCI Journals was 2.94 (max = 11.7; Biological Reviews); 33 publications are included in the first quartile (55% of the SCI publications). Our 26 external collaborators published an additional 14 SCI publications with our affiliation.

Forty-three projects run in 2019, 21 received international funding, six were funded by National funds from FCT, ten by regional funds from DRCT and six were funded by other Agencies. These 43 projects (some of them finishing in 2019) brought about 778,942.57 Euros to the research group members in 2019. In addition, in 2019 we secured a total of 364,805.00 Euros with Ph.D. Post Doc and other types of grants.

II-Sumário executivo

Em 2015, o Grupo da Biodiversidade dos Açores - Centro de Ecologia, Evolução e Alterações Ambientais - (Azorean Biodiversity Group - Centre for Ecology, Evolution and Environmental Changes) (GBA-cE3c) foi reconhecido pela Universidade dos Açores como Unidade de Investigação e Desenvolvimento (UI&D). A nível nacional, 2015 marca ainda o início oficial da Grupo da Biodiversidade dos Açores como um sub- grupo regional do Centro de Ecologia, Evolução e Alterações Ambientais (cE3c), com sede em Lisboa e premiado com a classificação de EXCELENTE pela FCT, em dezembro de 2014.

O GBA-cE3c tem por missão produzir, integrar e comunicar conhecimento científico sobre a biodiversidade em sistemas insulares, determinando efeitos das alterações globais, da fragmentação dos habitats e das espécies exóticas nos ecossistemas. Dar resposta aos desafios sociais implica avaliar esses impactos ao nível do ambiente, agricultura e saúde e conceber estratégias de os minimizar focadas na desconstrução de crenças e resistências das populações e na promoção de práticas pró-ambientais. O Grupo da Biodiversidade dos Açores está subdivididos em dois grupos principais com objectivos específicos, o “Island Biodiversity, Biogeography & Conservation - IBBC” e o “Island Environmental Risks & Society - IERS”.

Durante o ano de 2019 gostaríamos de realçar a publicação de 201 trabalhos científicos, 60 dos quais em revistas internacionais indexadas com Fator de Impacto. O Fator de Impacto médio em 2019 em SCI Journals foi de 2.94 (max = 11.7; Biological Reviews), 33 as publicações no primeiro quartil (55% das publicações SCI). Os nossos 39 colaboradores externos publicaram ainda um total de 14 artigos em revistas com IF com a nossa afiliação.

Quarenta e três projectos decorreram em 2019, 21 receberam financiamento internacional, seis foram financiados por fundos nacionais da FCT, dez pelos fundos regionais da DRCT e seis financiados por outras agências. Estes 43 projectos (alguns deles terminados em 2019) renderam em 2019 cerca de 778,942.57 Euros aos membros do grupo de investigação. Além disso, em 2018 garantimos um total de 364,805.00 Euros com bolsas de doutoramento, pós-doutoramento e outros tipos de bolsas.

III-Abbreviations

ABG - Azorean Biodiversity Group /Grupo da Biodiversidade dos Açores

cE3c - Centre for Ecology, Evolution and Environmental Change /Centro de Ecologia, Evolução e Alterações Ambientais

FCAA-DCA -Faculdade de Ciências Agrárias e do Ambiente-Dep. de Ciências Agrárias

FCAA-DCEA - Faculdade de Ciências Agrárias e do Ambiente-Dep. de Ciências e Engenharia do Ambiente

FCSH-DP - Faculdade de Ciências Sociais e Humanas – Dep. de Psicologia

FCT - Portuguese Science Foundation / Fundação da Ciência e Tecnologia

FCT-DB - Faculdade de Ciências e Tecnologia-Dep. de Biologia

FCT-DCFQE - Faculdade de Ciências e Tecnologia-Dep. de Ciências da Física, Química e Engenharia

FRCT - Azorean Fund for Science and Technology / Fundo Regional da Ciência e Tecnologia

IF - Impact Factor / Factor de Impacto

LNEC - National Laboratory of Civil Engineering / Laboratório Nacional de Engenharia Civil

SCI - Science Citation Index

UAc - University of the Azores/ Universidade dos Açores

IV-Figures

Figure 1 Number of publications on the year of 2019 in the several possible categories.	15
Figure 2 Number of papers in Journals of the SCI in the period 2008-2019 by integrated members.	20
Figure 3 Summed Impact Factor in Journals of the SCI in the period 2008-2019 by integrated members. .	20
Figure 4 Funds executed in projects the period 2013-2019 by integrated members.....	22
Figure 5 Funds obtained in grants (mostly for Ph.D and Post-Doc) in the period 2013-2019.	22
Figure 6 Funds executed in projects and grants in the period 2013-2019 by integrated members.	23

V-Tables

Table 1 Number of publications for each researcher in 2019 for the different type of publication categories. PI – UA = Researcher with a contract with University of the Azores; Post_Doc = Post Doctoral researcher with integrated status; Ph.D. Student = student that is performing is Ph.D.; Ass. Res. = External collaborator (usually a past Post-Doc or Ph.D. student). Grant Student = Student with a investigation or management scholarship. The authors are ranked based on the number of SCI papers and in a second rank based on total number of indicators.....	16
Table 2 Number of publications of different types in the period 2013-2019 by integrated members.	21
Table 3 Mobility projects and networks supervised by by ABG members in 2019.....	23
Table 4 Public awareness activities given by ABG members in 2019.....	26
Table 5 Interviews given by ABG members in 2019.....	27
Table 6 Scientific meetings organized by ABG members in 2019.....	28
Table 7 Scientific meetings participation from some ABG members during the year of 2019.....	70

VI-Index

I-EXECUTIVE SUMMARY.....	2
II- SUMÁRIO EXECUTIVO.....	3
III- ABBREVIATIONS	4
IV- FIGURES	5
V- TABLES	5
VI- INDEX.....	6

Contents

1- RESEARCH GROUP DESCRIPTION AND ACHIEVEMENTS FOR 2019.....	7
1.1-Introduction.....	7
1.2-Members in 2019.....	8
1.2.2-Post-Docs.....	9
1.2.3-Other members.....	10
1.2.4-Associate Research Fellows (External Collaborators):.....	11
1.3- MSc THESES.....	13
2-PUBLICATIONS in 2019.....	14
3-PROJECTS.....	21
3.1-Mobility projects and networks.....	23
3.2-Research contracts.....	24
4-OUTREACH ACTIVITY.....	26
4.1-Web-based resources in the Period 2008-2019.....	26
4.2-Public awareness activities.....	26
4.3-Radio/Journal news/Interviews.....	27
5-SCIENTIFIC MEETINGS ORGANIZATION.....	28
6-APPENDIX SECTION.....	29
6.1-DETAILED INFORMATION FOR 2019 PROJECTS.....	29
6.1.1-INTERNATIONAL PROJECTS.....	29
6.1.2-Funded by FCT (Portuguese Science Foundation).....	35
6.1.3-Funded by FRCT (Azorean Science Foundation).....	37
6.1.4-Other Funding Institutions.....	40
6.2-DETAILED INFORMATION FOR PUBLICATIONS.....	42
6.2.1-INTERNATIONAL PEER REVIEWED PAPERS (IN JOURNALS WITH IMPACT FACTOR).....	42
6.2.2-BOOK.....	54
6.2.3-BOOK CHAPTERS.....	54
6.2.4-NATIONAL AND INTERNATIONAL PEER REVIEWED PAPERS (NO IMPACT FACTOR).....	56
6.2.5-PAPERS ON PROCEEDINGS OF SYMPOSIA.....	57
6.2.6-EDUCATION AND OUTREACH PUBLICATIONS.....	58
6.2.7-THECNICAL REPORTS.....	59
6.2.8-BOOK REVIEWS.....	59
6.2.9-OTHER TYPE OF PUBLICATIONS.....	59
6.3-SCIENTIFIC MEETINGS PARTICIPTION.....	70

1- RESEARCH GROUP DESCRIPTION AND ACHIEVEMENTS FOR 2019

1.1-Introduction

Researchers that compose the Azorean Biodiversity Group (ABG-cE3c) have complementary expertise that allow to address research questions framed in the study of biodiversity patterns (taxonomic, functional and phylogenetic diversity), and its changes under the impact of climatic changes, land use alterations, and species invasions, which is key for guidelines of management and conservation. Emphasis is also given on the implementation of communication strategies and instruments to be used in participated risk appraisal, characterization and evaluation processes intended to facilitate the governance of the risk of environmental hazards, climate change and to increase social efficacy in the regions' conservation of nature.

The ABG-cE3c has had a steady growth in the number of funded projects, publications and personnel over these last eleven years (2008-2019), increasing from six integrated members in 2008 to the current 26. ABG-cE3c also included about 39 international and national collaborators as Associated Research Fellows that have been collaborating in several projects and publications.

The Group employed an integrated approach that combined multi-spatial and temporal scales (scale has a profound effect on detecting ecological and evolutionary patterns) with multi-metric measures of biodiversity (taxonomic, functional, phylogenetic) and their inter-relationships. It holds unique standardized databases for arthropods (BALA, ISLANDBIODIV and EDEN), bryophytes (MOVECLIM altitudinal gradients database), and vascular plants (ISLANDBIODIV).

Spreading its acquired knowledge both within the scientific community and to the general public has been important for the ABG-cE3c group in these last ten years. ABG-cE3c's interdisciplinary approach integrating science and education allowed the creation of eight web-based resources.

The research produced by the ABG-cE3c was crucial for wildlife conservation in Azorean natural terrestrial and marine habitats and the management of invasive species, some of which are useful for economic development. The Azorean government relied on ABG-cE3c for accurate information for the establishment of protected areas (Island Natural Parks).

In 2015 the Azorean Biodiversity Group was recognized by the University of the Azores as a Regional Research Centre. Since 2015 the Azorean Biodiversity Group belongs to another FCT

centre, the **CENTRE FOR ECOLOGY, EVOLUTION AND ENVIRONMENTAL CHANGES** (cE3c), based in Lisbon. cE3c's main objective is to perform research that addresses societal challenges in ecology, evolution and the environment—the three Es in the centre's name, for the 2015-2020 period. The current 26 integrated members with Ph.D., plus Ph.D. students and collaborators are now part of a larger research centre, with 122 integrated members in which research questions will be addressed at both the mainland and insular scales. In December 2014 and also in 2019 FCT awarded the Classification of EXCELLENT to the Centre for Ecology, Evolution and Environmental Changes (cE3C), an evaluation that included 19 researchers from the Azorean Biodiversity Group, which was a great achievement for all of us.

The current report lists all main activity of the Azorean Biodiversity Group for the year of 2019.

1.2-Members in 2019

The ABG has had a steady growth in the number of funded projects, publications and personnel over these last seven years, increasing from six integrated members with Ph.D. in 2008 to the current 26.

In 2019 the group was composed by 26 senior researchers with Ph.D. twelve of whom have academic positions at the University of the Azores, three of whom have a Research Contract with University of Azores under DL 57 FCT, eleven hold post-doctoral grants (four funded by Azorean Government FRCT, six funded by FCT and one funded by internacional funds). The group included in 2019 a total of 10 Ph.D. students, three of which with either FRCT (5) or FCT (2) grants; and nine research grant holders. In addition, 39 Associated Research Fellows (External Collaborators) from several countries collaborate on different projects, creating a network of Island research investigators.

1.2.1-Integrated members with Ph.D.

1.2.1.1-Director

1. Paulo A.V. Borges (Univ. Azores, FCAA-DCEA) - IBBC

1.2.1.2-Vice-Director

2. Patrícia Ventura Garcia (Univ. Azores, FCT-DB) - IERS

1.2.1.3-Other Scientists with contract

3. Ana Isabel de Melo Azevedo Neto (Univ. Azores, FCT-DB)
4. Ana Maria Loureiro da Seca (Univ. Azores, FCT-DCFQE)
5. Ana Moura Arroz (Univ. Azores, FCSH-DP)
6. António Onofre Soares (Univ. Azores, FCT-DB)
7. Artur Gil (Univ. Azores, FCT-DB), DL 57 FCT
8. David Horta Lopes (Univ. Azores, FCAA-DCEA)
9. Isabel R. Amorim (Univ. Azores, FCAA-DCEA), DL 57 FCT
10. João Pedro Barreiros (Univ. Azores, FCAA-DCA)
11. José Manuel Viegas de Oliveira Neto Azevedo (Univ. Azores, FCT-DB)
12. Maria do Carmo Barreto (Univ. Azores, FCT-DCFQE)
13. Mário Boieiro (Univ. Azores, FCAA-DCEA), DL 57 FCT
14. Rosalina Gabriel (Univ. Azores, FCAA-DCEA)
15. Rui Bento Elias (Univ. Azores, FCAA-DCA)

1.2.2-Post-Docs

16. Adara Pardo Valle, (Univ. Azores, FCAA-DCEA) Funded by Junta de Extremadura, Spain
17. Ana Catarina Hasse Ferreira, (Universidade de Lisboa, FCUL) Funded by FCT ended August 2019
18. Ana Luísa Coderniz Picanço (Univ. Azores, FCAA-DCEA) Funded by FCT
19. Carla Rego (Universidade de Lisboa, FCUL), Funded by DCiências ID
20. Catarina Drumond Melo (Univ. Azores, FCAA-DCEA) Funded by FRCT
21. Fabiana Esposito, (Universidade de Lisboa, FCUL) Funded by FCT
22. Isabel Marisa Mateus Borges (Univ. Azores, FCT-DB), Funded by FEDER and DRCT started October 2019
23. Jagoba Malumbres-Olarte (Univ. Azores, FCAA-DCEA) Funded by FCT ended October 2019
24. Marco Ferrante (Univ. Azores, FCAA-DCEA) Funded by FEDER and DRCT started December 2019

25. Maria Teresa Bravo Ferreira (Univ. Azores, FCAA-DCEA) Funded by FRCT, ended in December 2019

26. Reinaldo Pimentel (Univ. Azores, FCAA-DCEA) Funded by FRCT ended October 2019

1.2.3-Other members

1.2.3.1-Ph.D. Students

27. Afonso Costa Lucas Prestes (Univ. Azores, FCT-DB) Funded by FRCT

28. Antonio Pérez Delgado (Univ. of La Laguna) Self-funded

29. Filipe Miguel Teixeira de Sousa Bernardo (Univ. Azores, FCT-DB) Funded by FRCT

30. Lucas Lamelas-López (Univ. Azores, FCAA-DCEA) Funded by FCT (SFRH/BD/115022/2016)

31. Manuel Fernandez Urrutia (Self-funded)

32. Marcela de Marco Sobral (Univ. Azores, FCAA-DCEA) Funded by Brazilian government (CAPES/MEC/BR)

33. Orlando Guerreiro (Univ. Azores, FCAA-DCEA), Funded by FRCT (M3.1.5/F/003/2011)

34. Rita Godinho (Univ. Azores, FCAA-DCEA), Funded by FRCT (M3.1.2/F/030/2011)

35. Rui Miguel dos Santos Mendes Carvalho (Univ. Azores, FCAA-DCEA), Funded by FRCT Azores 2020

36. Sietze Johannes Norder (Univ. Lisbon, Faculty of Sciences) Funded by FCT - PD/BD/114380/2016

1.2.3.2-Grant Students:

37. Alejandra Ros-Prieto (Univ. Azores, DCA) – IBBC, Funded by Fundação Gaspar Frutuoso

38. Ana Fuentes Sánchez (Univ. Azores, DCA) – IERS, Funded by DRCT, PO 2020

39. Andreia de Barros Mendes Penado, (Universidade de Lisboa, FCUL) Funded by FCT

40. Enésima Mendonça (Univ. Azores, DCA) Funded by FCT

41. Gonçalo Pereira da Rosa (Univ. Azores, FCT-DCFQE) – IERS, Funded by FEDER and DRCT

42. Ignacio Moreu Badia (Univ. Azores, FCT-DB), IBBC, Funded by FEDER and DRCT

43. João Faria de Oliveira Santos (Univ. Azores, FCT) Funded by FEDER and DRCT

44. Rui Miguel Ricardo Nunes (Univ. Azores, DCA) Funded by FEDER and DRCT

45.Sophie Wallon (Univ. Azores, DCA) Funded by FEDER and DRCT

1.2.3.4-Technicians:

46.Fernando Pereira (Univ. Azores, DCA) IBBC

1.2.4-Associate Research Fellows (External Collaborators):

47.Alain Vanderpoorten (University of Liege) – Collaboration in the Biogeography of Azorean Bryophytes

48.Ana Margarida Santos (Past Ph.D. Student), collaborator based in the University of Alcala (Spain)

49.Aristeidis Parmakelis (University of Athens)

50.Audrey A. Grez Villarroel (University of Chile)

51.Carolina Parelho (Univ. Azores, FCT-DB)

52.Celia López Cañizares (European Alien Species Information Network – EASIN)

53.Débora Henriques (Univ. Azores, FCAA-DCEA)

54.Dinarte Nuno Freitas Teixeira (Instituto das Florestas e Conservação da Natureza, IP-RAM)

55.Emanuel Dias Xavier (Univ. Azores, FCT-DB)

56.Eva Cacabelos Reys (Univ. Azores, FCT-DB)

57.Fleur Visser (Behavioural Biology group of Leiden University)

58.François Rigal (Past Post-Doc) - Université de Pau et des Pays de l'Adour (France)

59.Gabor Lovei (Aarhus University)

60.Gustavo Oliveira de Meneses Martins (Univ. Azores, FCT-DB)

61.Isadora Moniz (Univ. Azores, FCT-DB)

62.Jairo Patiño (University of La Laguna) – Collaboration in the Biogeography of Azorean Bryophytes

63.José A. P. Marcelino (Past Post-Doc)

64.José Carlos Carvalho, collaborator in Macroecology (Independent researcher)

65.Kostas Triantis (Past Post-Doc), collaborator in Island Biogeography and based in the University of Athens, Greece

66.Leila Bagaço (Univ. Azores, FCT-DB)

67.Lina Nunes (LNEC)

68. Luís Barcelos (Past “Recuperar Progam - Azorean Government”)
69. Marc Fernandez Morron (Univ. Azores, FCT-DB)
70. Márcia Coelho (Univ. Azores, FCAA-DCEA)
71. Marco Girardello, (Italy; Past-Post-Doc)
72. Margarita Patricia Florencio Diaz (Spain; Department of Life Sciences, University of Alcalá)
73. Nídia Homem (Univ. Azores, FCAA-DCEA)
74. Olga Ameixa (Univ. Azores, FCT-DB & CESAM, Univ. of Aveiro)
75. Pedro Cardoso (Past Post-Doc). collaborator in Macroecology and based in the Finish Museum of Natural History at Helsinky (Finland)
76. Pedro Miguel Reis Rodrigues (Universidad Austral de Chile) Collaboration in the Biogeography of Azorean Birds
77. Rita F. Patarra (Univ. Azores, FCT-DB)
78. Sara Rodriguez Ramalho
79. Sérgio P. Ribeiro, collaborator in Canopy ecology and based in Universidade Federal de Ouro Preto (UFOP), Brasil
80. Simone Fattorini, collaborator in Island Biogeography (University of Aquila, Italy)
81. Sofia Terzopoulou (Past Ph.D. Student) (in collaboration with other research Center in Greece)
82. Sónia Duarte (LNEC, Lisbon)
83. Tarso de Menezes Macedo Costa
84. Thomas Matthews (Past Ph.D. Student) (University of Birmingham, UK)
85. Virgílio Vieira (Univ. Azores, FCT-DB)

Further details may also be seen in the following web-pages:

▪ Azorean Biodiversity Group ABG: <http://www.gba.uac.pt/>

▪ Island Biodiversity, Biogeography & Conservation – IBBC:

<http://ce3c.ciencias.ulisboa.pt/team/IBBC>

▪ Island Environmental Risks & Society – IERS:

<http://ce3c.ciencias.ulisboa.pt/team/IERS>

1.3- MSc THESES

Table 1 Number of GBA MSc students that finished their thesis in 2019.

Title	Name	Scientific Area	Supervisors	Grading Institution	Number of Pages
Desenvolvimento de biomarcadores para avaliação dos efeitos disruptores endócrinos da exposição a ambiente vulcânico usando a glândula supra-renal de <i>Mus musculus</i>	Ana Rita Simões Nunes	Saúde ambiental	Patrícia Garcia & Armindo Rodrigues	Universidade dos Açores	54
Plantas invasoras na ilha Terceira, Açores: Diversidade, distribuição e perspectivas da população local	Celia López Cañizares	Ciências Biológicas	Rui Bento Elias & Isabel Amorim	Universidade dos Açores, FCAA	147
Estudo biológico e comercial do ouriço-do-mar <i>Sphaerechinus granularis</i> (Lamarck, 1816) nos Açores	Celso de Sousa Aguiar	Tecnologia e Segurança Alimentar	Alfredo Borba & João Pedro Barreiros	Universidade dos Açores, FCAA	52
Avaliação Qualitativa do Sistema Hidrográfico Sudeste do Graben das Lajes. Projeto de Mestrado em Engenharia e Gestão de Sistemas de Água	César Miguel Meneses Pimentel	Ciências do Ambiente	Francisco Cota Rodrigues & Rui Elias	Universidade dos Açores, FCAA	120
The importance of caves and their surroundings for the conservation of bryophytes: taxonomical and functional diversity of epilithic species in Terceira Island (Azores)	Cristina Peroni	Biologia	Rosalina Gabriel & Roberto Canullo	University of Camerino	100
Conservação da Natureza e Tauromaquia: Conflito ou Complementaridade?	Vítor Daniel Silva Costa	Ciências Biológicas	Rui Bento Elias & Isabel Amorim	Universidade dos Açores, FCAA	130

2-PUBLICATIONS in 2019

By integrated members (Total = 202)

INTERNATIONAL PEER REVIEWED PAPERS (SCI Journals) = 60

BOOK = 2

BOOK CHAPTERS = 7

OTHER PEER REVIEWED PAPERS = 7

PAPERS ON PROCEEDINGS OF SYMPOSIA = 7

EDUCATION & OUTREACH PUBLICATIONS = 9

TECHNICAL REPORTS = 2

BOOK REVIEWS = 1

OTHER TYPE OF PUBLICATIONS = 107

By Associate Research Fellows (Total = 19)

INTERNATIONAL PEER REVIEWED PAPERS (SCI Journals) = 14

BOOK = 1

BOOK CHAPTERS = 2

OTHER PEER REVIEWED PAPERS = 1

PAPERS ON PROCEEDINGS OF SYMPOSIA = 1

The main achievement performed by integrated members in 2019 was the **publication of 202 works, 60 of which were published in International Indexed Journals with Impact Factor**. In 2019, the mean Impact Factor of these publications was 2.94 (max = 11.7; Biological Reviews) with **33 of the publications included in the first quartile (55% of the SCI publications)**. Among the other publications, it is noteworthy to mention two books, seven book chapters, seven papers in peer-reviewed journals with no impact factor, seven papers in Proceedings of Symposia, nine outreach

publications, two technical reports, one book review and 107 other type of publications (mostly IUCN assessments). (Figure 1)

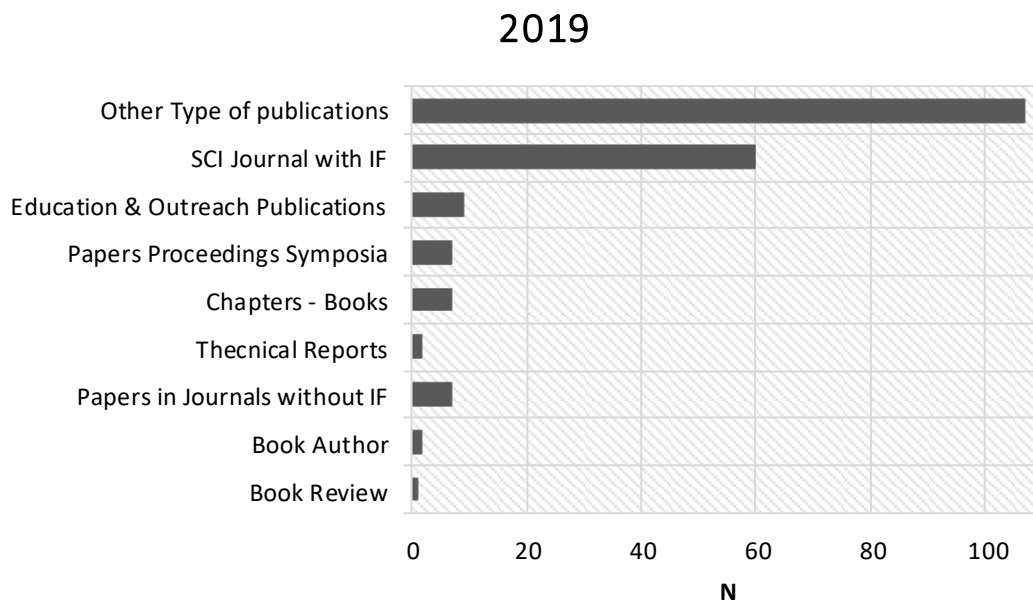


Figure 1 Number of publications on the year of 2019 in the several possible categories.

This makes an average of 7.73 publications and 2.31 SCI papers, per integrated member with a Ph.D. in 2019.

On top of those 202 publications we can add 19 more with the affiliation of the ABG (cE3c) published only by our Associate Research Fellows External Collaborators (namely 14 SCI papers). We must highlight the contribution from our collaborators Thomas Matthews, Marco Girardello, Gustavo Martins, François Rigal, Eva Cacabelos, Pedro Cardoso, Lina Nunes, Olga Ameixa, Leila Bagaço, Kostas A. Triantis and others that published with cE3c affiliation. They are promoting the internationalization of the ABG (cE3c, University of the Azores) and increasing the visibility of the group. The detailed output of publications in 2019 for each member is given in **Table 1**. **A total of 20 researchers had five or more indicators and a total of 27 researchers participated in at least two publications of the SCI (Table 1).**

Table 1 Number of publications for each researcher in 2019 for the different type of publication categories. PI – UA = Researcher with a contract with University of the Azores; Post_Doc = Post Doctoral researcher with integrated status; Ph.D. Student = student that is performing is Ph.D.; Ass. Res. = External collaborator (usually a past Post-Doc or Ph.D. student). Grant Student = Student with a investigation or management scholarship. The authors are ranked based on the number of SCI papers and in a second rank based on total number of indicators.

Authors	Authors Status	ISI Journal	Book	Chapters - Books	Non SCI Papers	Outreach Publ	Proc Symp	Reports	Book Reviews	Other	Total
Borges, P.A.V.	PI - UA	15	1	4	1	3		2	1	1	28
Neto, A.I.	PI - UA	11			2					1	14
Matthews , T.J.	Associate Researcher	10									10
Elias, R.B.	PI - UA	7		2							9
Garcia, P.V.	PI - UA	6		1							7
Girardello , M.	Associate Researcher	6									6
Seca, A.M.L.	PI - UA	6			1	1					8
Barreiros, J.P.	PI - UA	5			1	2				4	12
Martins, G.M.	Associate Researcher	5									5
Rego, C.	Post_Doc	5				2					7
Rigal, F.	Associate Researcher	5									5
Soares, A.O.	PI - UA	5		1			4				10
Barreto, M.C.	PI - UA	4				1					5
Boieiro,	PI - UA	4				2					6

Authors	Authors Status	ISI Journal	Book	Chapters - Books	Non SCI Papers	Outreach Publ	Proc Symp	Reports	Book Reviews	Other	Total
M.											
Cacabelos, E.	Associate Researcher	4									4
Cardoso, P.	Associate Researcher	4		1							5
Faria, J.	Ph.D. Student	4									4
Gil, A.	PI - UA	4					1				5
Amorim, I.R.	PI - UA	3		1		3					7
Gabriel, R.	PI - UA	3	2	3		1	1			102	112
Carvalho, R.	Ph.D. Student	2									2
Ferreira, M.T.	Post_Doc	2									2
Moreu, I.	Grant Student	2									2
Norder, S.J.	Ph.D. Student	2		1							3
Nunes, L.	Associate Researcher	2		1							3
Prestes, A.C.L.	Ph.D. Student	2									2
Rosa, G.P.	Grant Student	2									2
Ameixa, O.M.C.C.	Associate Researcher	1									1

Authors	Authors Status	ISI Journal	Book	Chapters - Books	Non SCI Papers	Outreach Publ	Proc Symp	Reports	Book Reviews	Other	Total
Azevedo, J.M.N.	PI - UA	1			1					3	5
Bagaço, L.	Associate Researcher	1									1
Bernardo, F.	Ph.D. Student	1									1
Lamelas López, L.	Ph.D. Student	1		1							2
Malumbres-Olarte, J.	Post_Doc	1				1					2
Melo, C.	Post_Doc	1									1
Nunes, R.	Grant Student	1									1
Pereira, F.	Technician	1				2					3
Triantis, K.A.	Associate Researcher	1									1
Arroz, A.M.	PI - UA					1					1
Borges, I.	Post_Doc			1			1				2
Duarte, S.	Associate Researcher			1							1
Fernandez, M.	Associate Researcher				1						1
Guerreiro, O.	Ph.D. Student							1			1
Lopes,	PI - UA				1		1				2

Authors	Authors Status	ISI Journal	Book	Chapters - Books	Non SCI Papers	Outreach Publ	Proc Symp	Reports	Book Reviews	Other	Total
D.H.											
Mendonça, E.	Grant Student			1							1
Patarra, R.F.	Associate Researcher				1						1
Penado, A.	Grant Student					1					1
Picanço, A.	Post_Doc			1							1
Pimentel, R.	Post_Doc				1						1
Ros-Prieto, A.	Grant Student					1					1
Santos, A.M.C.	Associate Researcher			1							1
Vieira, V.	Associate Researcher		1	3			2				6
Wallon, S.	Grant Student			1		1					2

There was a steady increase in the number of publications in the last nine years in Journals with Impact Factor of the SCI (**Figure 2**), with a maximum value in 2019 (60 papers). The years of 2016-2019 were particularly productive.

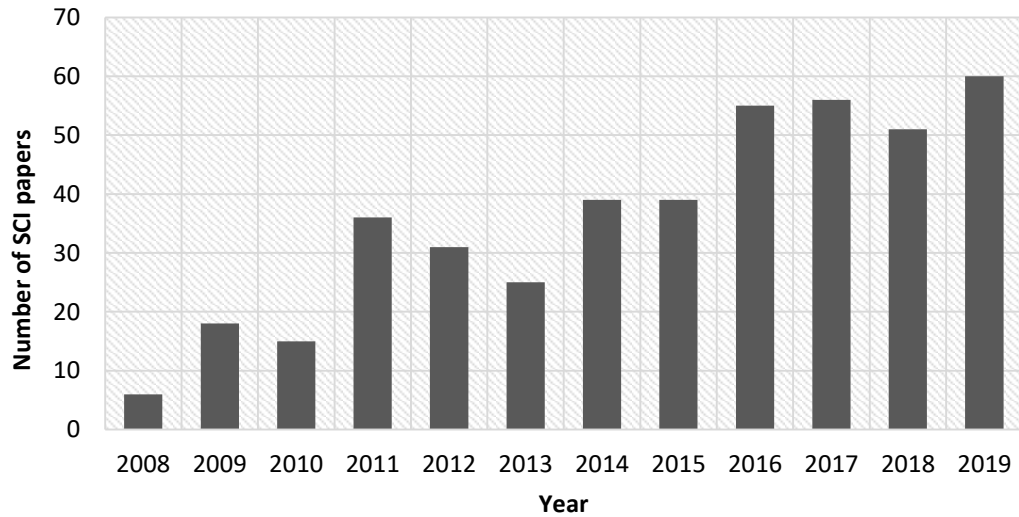


Figure 2 Number of papers in Journals of the SCI in the period 2008-2019 by integrated members.

Particularly relevant is the fact that the summed values of Journals Impact Factor are increasing very fast (Figure 3), a demonstration that our researchers were successful in having their papers accepted in more prestigious Journals. In fact, the mean IF increased from 1.94 in 2014 to 2.7 in 2015, 2.6 in 2016 and now 2.94 in 2019.

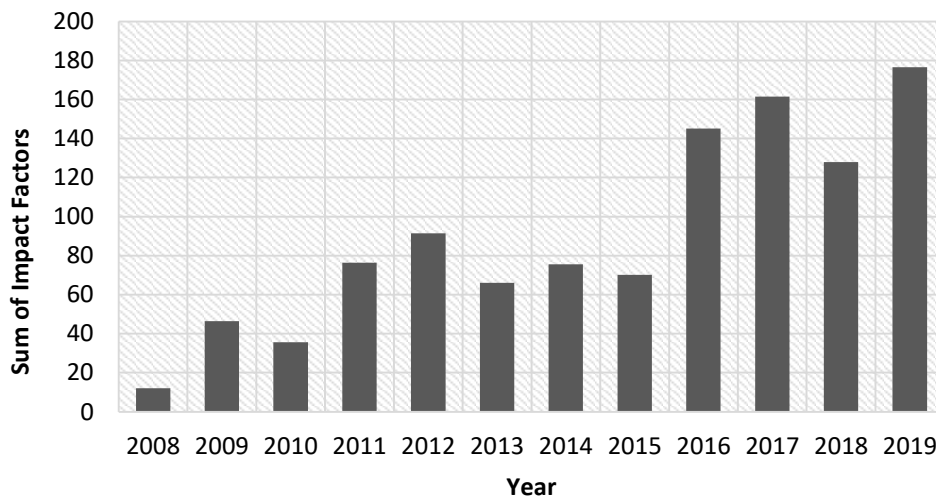


Figure 3 Summed Impact Factor in Journals of the SCI in the period 2008-2019 by integrated members.

Considering that we were evaluated by FCT in 2018 (the 2013-2019 period), we also increased very fast the number of indicators (Table 2), with a particular relevance in an increase in papers in IF journals and a constant high number of papers in national and international journals

without IF (in particular in Arquipélago, Life and Marine Sciences). In the period 2013-2019 a total of 920 publications were generated, with 325 (35%) being articles in IF journals.

Table 2 Number of publications of different types in the period 2013-2019 by integrated members.

Type of Publications	2013	2014	2015	2016	2017	2018	2019	TOTAL
SCI Journal with IF	25	39	39	55	56	51	60	325
Book Author	1	1	3	0	2	0	1	8
Book Editor	1	2	1	4	0	0	1	9
Chapters - Books	3	3	4	14	9	3	7	43
Papers in Journals without IF	5	13	16	16	19	15	7	91
Education & Outreach Publications	5	15	2	12	7	12	9	62
Papers Proceedings Symposia	3	15	6	6	4	6	7	47
Book Review	1	2	1	4	0	0	1	9
Other Type of publications	1	9	5	5	60	154	107	341
TOTAL	44	97	76	112	157	247	202	920

3-PROJECTS

A total of forty-three projects run or were accepted in 2019, 21 received international funding, six were funded by National funds from FCT, ten by regional funds from DRCT and six were funded by other Agencies. In the period between 2013 and 2019 most of funds were obtained from regional (DRCR) and nacional (FCT) sources with a stable income of funds (**Figure 4**).

Projects

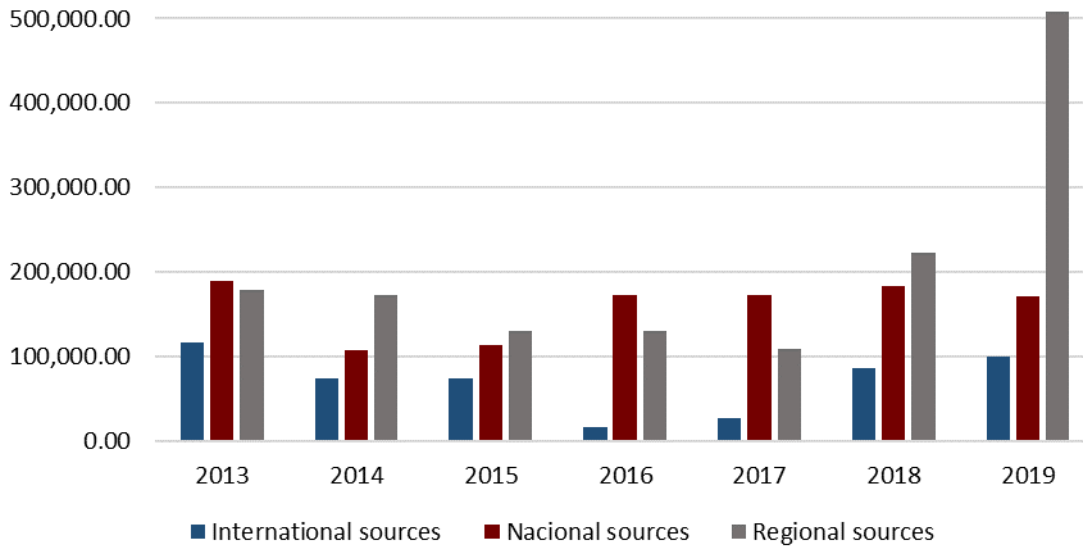


Figure 4 Funds executed in projects the period 2013-2019 by integrated members.

In the period between 2013 and 2019 a large quantity of funds were obtained for Ph.D. and Post-Doc grants mostly regional sources (**Figure 5**).

Grants

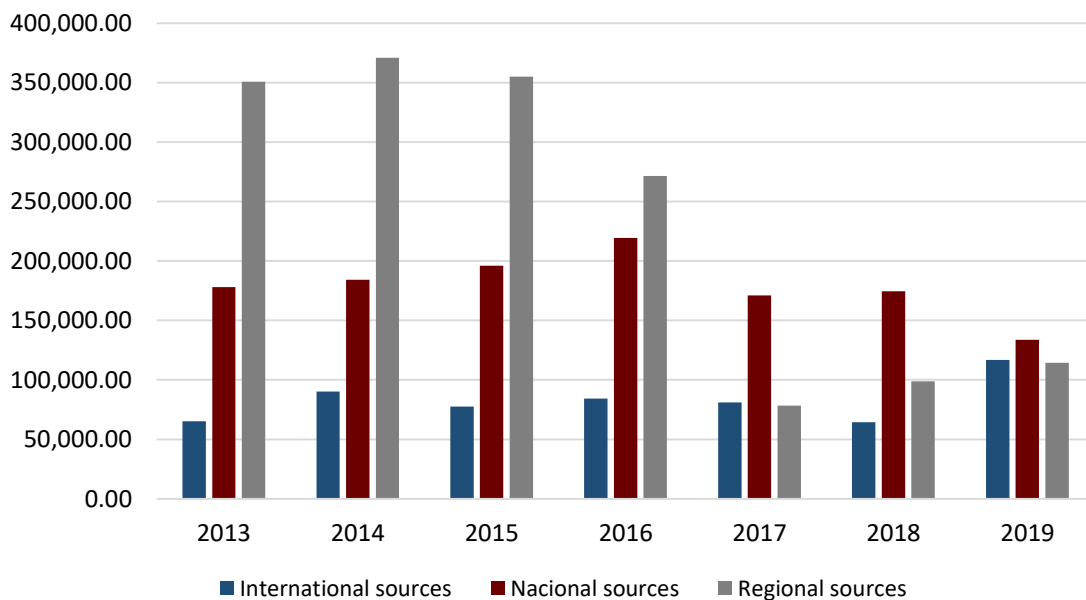


Figure 5 Funds obtained in grants (mostly for Ph.D and Post-Doc) in the period 2013-2019.

Considering the global funds obtained in projects and grants (Figure 6) there is a tendency for a decreasing in the last six years. However, we already have secured six new Reginal Projects in 2019 with about 1.2000,00 Euros for the period 2019-2021.

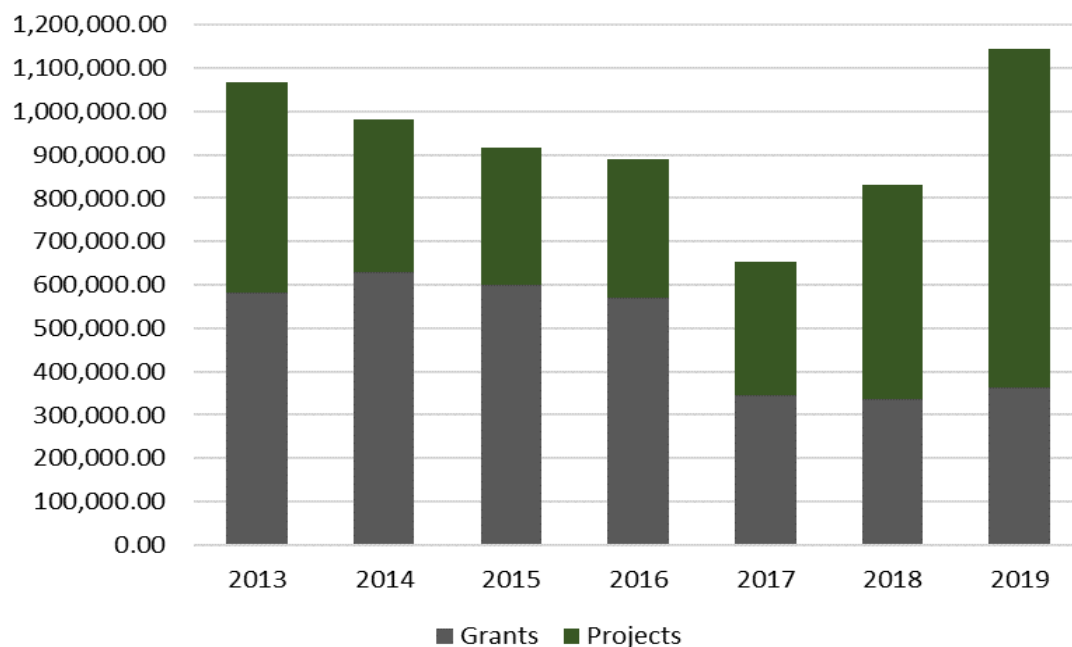


Figure 6 Funds executed in projects and grants in the period 2013-2019 by integrated members.

3.1-Mobility projects and networks

Table 3 Mobility projects and networks supervised by by ABG members in 2019.

cE3c Member	International collaborator name	International collaborator Institution	International collaborator Country	Type of Colaboration
Ana I. Neto	Aina del Alcazar Julia	University of Barcelona, Faculty of Biology	Spain	ERASMUS student between February and June 2019
Ana I. Neto	Celia Delgado Serrano	University of Granada, Faculty of Sciences	Spain	ERASMUS student between March and May 2019
Ana I. Neto	Cristina Padullés Rius	Eurodysey Secretariat Barcelona	Spain	Eurodysey student between July and December 2019
Ana I. Neto	Daniel Navas Noguera	University of Barcelona, Faculty of Biology	Spain	ERASMUS student between February and June 2019
Ana I. Neto	Oriol Bravo Ruíz	University of Barcelona, Faculty of Earth Sciences	Spain	ERASMUS student between September to December 2019
Ana I. Neto	Pablo Gonzalez	University of Alicante, Faculty of Sciences	Spain	ERASMUS student between February and June 2019
Ana I. Neto	Victor Rubio Monterde	Eurodysey Secretariat Barcelona	Spain	Eurodysey student between July and December 2019
Artur Gil	Andrea Tassi	University of Perugia	Italy	Eramus+ Traineeship

cE3c Member	International collaborator name	International collaborator Institution	International collaborator Country	Type of Collaboration
Fabiana Esposito		Wallonie-Bruxelles International University	Belgium	Post-doc grantee working in FCT project 2gether
José M.N. Azevedo	Zackaria Boustani	Eurodysey Secretariat Brussels	Belgium	Eurodysey student between July and December 2019
Patrícia Garcia	Alicia Sempere Navarro	University of Alicante	Spain	Eramus+ Traineeship
Paulo A.V. Borges & Ros-Prieto, A.	Adrian Fernandez Marinez	Centro Educativo IES EL ESCORIAL, Spain		ERASMUS student between March and June 2019
Paulo A.V. Borges	Castore De Salvador	University of Florence	Italy	ERASMUS student between January and April 2019
Paulo A.V. Borges	Gea Ghisolfi	University of Florence	Italy	ERASMUS student between January and April 2019
Paulo A.V. Borges	Joel Martin Aye	University of Barcelona, Faculty of Biology	Spain	ERASMUS + Student between February and June 2019
Paulo A.V. Borges	Riccardo Negroni	University of Florence	Italy	ERASMUS student between January and April 2019
Paulo A.V. Borges, Ros-Prieto, A. & Adhara Pardo	Natalia Fierro Frerot	Centro Educativo IES EL ESCORIAL, Spain		ERASMUS student between March and June 2019
Paulo A.V. Borges & Jagoba Malumbres-Olarte	Joshi van Berlo		Holanda	ERASMUS + Student between March and June 2019
Paulo A.V. Borges & Maria Teresa Ferreira	Carolina Cano Astorga	Centro Educativo IES EL ESCORIAL, Spain		ERASMUS student between March and June 2019
Rosalina Gabriel	Cristina Peroni	Camerino University	Italy	ERASMUS + Student between February 28 and July 3, 2019
Rosalina Gabriel	Marina Henar Sánchez	C.I.F.P Los Gladiolos, Tenerife, Islas Canarias	Spain	ERASMUS + Student between March 25 and May 31, 2019
Rosalina Gabriel	Pedro de Pascale	Camerino University	Italy	ERASMUS + Student between February 28 and July 3, 2019

3.2-Research contracts

We must highlight several research contracts with national and international entities:

- PEERS – Platform for Enhancing Ecological Research & Sustainability, a consortium between the Center of Environmental Biology (University of Lisbon, Portugal), the Azorean Biodiversity Group (University of the Azores, Portugal) and the Center of Functional Ecology (University of Coimbra, Portugal).

- NATURE PARKS OF AZORES – We started an unprecedented collaboration with several Azorean environmental organizations to perform a Long Term Ecological Study in the natural forest of several Azorean islands. This study is possible due to the collaboration with the Natural Parks of Santa Maria, Terceira, Faial and Pico islands, the Botanical Garden of Faial island and the Furnas Monitoring and Research Centre (São Miguel island);
- BIG – Biodynamical Island Group – This is an International consortium research group implemented to model the General Dynamic Model of Island Biogeography. It includes 14 international Researchers, where five of them are either integrated members (P.A.V. Borges, F. Rigal), Ph.D. students (T. Matthews) or collaborators (K. Triantis, R. Whittaker) of the RG Island Biodiversity, Biogeography & Conservation.
- Development and Coordination for “RCE Açores” - part of UN international education network Regional Centre of Expertise on Education for Sustainable Development, accredited by the United Nations University, Institute of Advanced Studies.

4-OUTREACH ACTIVITY

Besides the presentation of our research in multiple forums, the ABG/cE3c, aims to share information with the public, keeping web-based resources, engaging in different initiatives and advertising them in the media.

4.1-Web-based resources in the Period 2008-2019

- ATLANTIS database (<http://www.atlantis.angra.uac.pt/>)
- Azorean Biodiversity Gallery (<http://galeria.azoresbioportal.angra.uac.pt/>)
- Azorean Biodiversity Group Page (<http://www.gba.uac.pt/>)
- Azorean Biodiversity Portal (<http://www.azoresbioportal.angra.uac.pt/>)
- Azorean Spiders: (<http://www.jorgenlissner.dk/azoreanspiders.aspx>)
- Azores Bioportal (<http://azoresbioportal.uac.pt/pt/>)
- E.D.E.N (Azores Habitats (<http://www.eden-azores.com/>))
- IBBC and IERS Groups with cE3c
- (<http://ce3c.ciencias.ulisboa.pt/team/IBBC>)
- (<http://ce3c.ciencias.ulisboa.pt/team/IERS>)
- IBIG (<http://www.ibigbiology.com/>)
- ISLAND LAB (<http://islandlab.uac.pt/>)
- MAIISG - IUCN SSC MID-ATLANTIC ISLAND INVERTEBRATES SPECIALIST GROUP (<http://www.maiisg.com/>)
- MONICET (<http://www.moniket.net/en>)
- Termites of the Azores (<http://sostermitas.angra.uac.pt>)

4.2-Public awareness activities

Table 4 Public awareness activities given by ABG members in 2019.

Albergaria, I.S., Arroz, A.M., Cruz, R., Porteiro, A., Melo, J., Fraga, R. & Gabriel, R. (2019). Programa e livro de resumos do Colóquio Jardins e seus visitantes: propósitos e estratégias de comunicação (Faial, 28 a 30 de julho). Universidade dos Açores, Azorina, Parque Natural do Faial e Jardim Botânico do Faial, Angra do Heroísmo, Horta e Ponta Delgada. 48 pp.
Azevedo, J.M.N. & Barreiros, J.P. (2019) Azores cetaceans updated checklist. Version 1.1. Universidade dos Açores. Dataset/Checklist.
Barreiros, J.P. & Azevedo, J.M.N. (2019) Azores actinopterygii updated checklist. v1.0. Universidade dos Açores. Dataset/Checklist. http://ipt.gbif.pt/ipt/resource?r=actinopterygii_azores_checklist_vs1_2019&v=1.0
Barreiros, J.P. & Azevedo, J.M.N. (2019) Azores chondrichthyes updated checklist. Universidade dos Açores. Dataset/Checklist.
Barreiros, J.P. (2019) "As extinções da megafauna americana no fim do Pleistoceno". Palestra convidada à XVII Semana da Ciência, organizada pelo Departamento de Ciências da Escola Básica e Integrada de Angra do Heroísmo, Terceira, Açores, 1-5 de Abril.
Barreiros, J.P. (2019) "A Urgência de uma rede eficaz de Áreas Marinhas Protegidas". Ciclo de Palestras do workshop

“Pedaços de Mar e Ambiente III”. Biblioteca Pública e Arquivo Regional Luís da Silva Ribeiro. Angra do Heroísmo, 8 de Junho.
Barreiros, J.P. (2019) “Uma história natural: dos Dinossauros às Aves”. Palestra convidada às Olimpíadas da Física 2019, Angra do Heroísmo, 4 de Maio.
Barreto, M.C. (2019) Participação na Macaronight 2019. Noite Europeia dos Cientistas. 27/9/2019.
Barreto, M.C. (2019) Projeto de investigação analisa compostos nas algas que retardam o envelhecimento da pele. Entrevista ao Correio dos Açores a 6/6/2019.
Bergamini, A., Gabriel, R., Garcia, C., González Mancebo, J., Hodgetts, N., Garilleti, R., Infante, M., Martins, A., Porley, R.D., Sergio, C. & Sim-Sim, M. (2019) The IUCN Red List - 157 Macaronesian bryophyte species assessments. The IUCN Red List of Threatened Species 2019.
Borges, P.A.V. (2019) “Biodiversity Erosion in Azores”. “13th Annual Meeting of Gulbenkian Students (AMeeGuS)”. 14 de março de 2019. No âmbito do Retiro dos Alunos de Doutoramento do Instituto Gulbenkian de Ciência (IGC). Centro de Congressos de Angra do Heroísmo. Açores.
Borges, P.A.V. (2019) “Os Impactos das mudanças globais na biodiversidade terrestre dos Açores”. XVII semana da Ciência que se realizou na Escola Básica Integrada de Angra do Heroísmo. 5 de abril de 2019. Angra do Heroísmo. Açores.
Carvalho, R. (2019) vencedor da edição nacional do FameLab, e representação do país na final intencional.
Carvalho, R., Valente, A. (2019) Teias de imaginação: Peça de teatro para famílias. Em colaboração com o Centro de Ciência de Angra do Heroísmo, apresentada a 25 de Maio de 2019.
Gabriel, R., Arroz, A.M., Frias, C., Rodrigues, F., Sousa, F., Gomes, M., Carvalhal, R. (2019). Programa e livro de resumos do VIII FIPED Portugal - Fórum Internacional de Pedagogia: Cidades Universitárias (Terceira, 6 a 11 de maio). Universidade dos Açores, Angra do Heroísmo. 47 pp.
Goulart, S., Barreiros, J.P., Brito, M.R., Santos, S., Pimentel, C., Nogueira, E.C. & Borges, P.A.V. (2019) Birds from Praia da Vitória marshes (Terceira, Azores, Portugal). v1.3. Universidade dos Açores. Dataset/Samplingevent. http://ipt.gbif.pt/ipt/resource?r=azores_birds&v=1.3
Seca, A.M.L. (2019) Special Issue Editor on the special issue "Biological Activity and Applications of Natural Compounds" (https://www.mdpi.com/journal/applsci/special_issues/activity_natural_compounds)
Seca, A.M.L. (2019) Special Issue Editor on the special issue "Biological Potential and Medical Use of Secondary Metabolites" (https://www.mdpi.com/journal/medicines/special_issues/secondary_metabolites)
Vieira, V. (2019) coleção de selos sobre o «Chá dos Açores». CTT Lisboa.
Wilkins, V. & Borges, P.A.V. (2019) 2018 report of the IUCN SSC Mid-Atlantic Island Invertebrate Specialist Group. IUCN-SSC. Reports.

4.3-Radio/Journal news/Interviews

Table 5 Interviews given by ABG members in 2019.

Barreiros, J.P. (2019) Face a face. Entrevista concedida ao jornal Correio dos Açores, publicada a 21 de abril de 2019.
Barreiros, J.P. (2019) Mergulhar nos Açores. Entrevista concedida à rádio TSF, publicada a 17 de março de 2019.
Barreiros, J.P. (2019) Nunca houve política de pescas coerente. Entrevista concedida ao jornal Diário Insular, publicada a 20 de junho de 2019.
Carvalho, R. (2019) "Teatro para deixar de ter medo de aranhas". Entrevista ao Diário Insular, 24 Maio.
Carvalho, R. (2019) FameLab, Fala Ciência - Comunicar Ciência nos Açores. Entrevista concedida à para a Rádio Clube de Angra, a 5 de novembro de 2019.
Carvalho, R. (2019) Aranhas: Por que não devemos matá-las. Entrevista concedida à Notícias Magazine, em outubro de 2019.
Jagoba Malumbres-Olarte, Isabel R. Amorim & Sophie Wallon (2019). Peça RTP Açores, telejornal 27 de julho de 2019, BioBlitz Açores no jardim Duque da Terceira
Jagoba Malumbres-Olarte, Isabel R. Amorim & Sophie Wallon (2019). "BioBlitz mostra jardim de Angra de uma forma diferente". Entrevista publicada no jornal Diário Insular a 24 de julho de 2019.
Rego, C. (2019) Cidadãos cientistas à cata da vaca-loura, o maior escaravelho da Europa. Entrevista ao Jornal Diário de Notícias https://www.dn.pt/vida-e-futuro/cidadaos-cientistas-a-cata-da-vaca-loura-o-maior-escaravelho-da-europa-10554484.html
Rego, C. (2019) Há muitas outras abelhas para lá das do mel. Entrevista ao jornal Público https://www.publico.pt/2019/05/20/ciencia/noticia/ha-abelhas-mel-1873132

Rego, C. (2019) Não corte já as ervas daninhas. As abelhas agradecem. Entrevista ao jornal Público: <https://www.publico.pt/2019/03/25/local/noticia/ervas-daninhas-tambem-dao-flores-nao-cortadas-mal-comeca-primavera-1866480?fbclid=IwAR0W5eVOkeENSvjv84d3VH8SxyzCBnzp4Qworr0vvBPvei7kKcwWNw8yA3k>

5-SCIENTIFIC MEETINGS ORGANIZATION

Our group also participated, in 2019, on the organization of two national conferences, one national colloquium and one regional forum.

Table 6 Scientific meetings organized by ABG members in 2019.

Type (Conf., Workshop, etc)	Local (City, Country)	Date(s)	Name of the Organizers	Partners Researchers /Institutions	Number of Participants
Colóquio: Jardins e seus visitantes: Propósitos e estratégias de comunicação	Horta, Faial, Portugal	28-30 July	Isabel Soares Albergaria, Ana Moura Arroiz, Ricardo Cruz, Andrea Porteiro, João Melo, Rosana Fraga & Rosalina Gabriel	Jardim Botânico do Faial; Fundação de Serralves; M-ITI - Madeira Interactive Technologies Institute; Museu Nacional de História Natural e da Ciência; Universidade de Coimbra; Câmara Municipal de Angra do Heroísmo; Associação Ibero-Macaronésica de Jardins Botânicos.	64
Forum: VIII FIPED Portugal - Cidades Universitárias	Angra do Heroísmo, Terceira, Portugal	6-11 May	Rui Brasil, Francisco Sousa, Ana Moura Arroiz, Ana Rita Pereira, Cidália Frias, Coleen Medeiros, Diogo Costa, Félix Rodrigues, Filberna Duarte, Mariana Espínola, Miguel Gomes, Rosa Carvalhal & Rosalina Gabriel	Câmara Municipal de Angra do Heroísmo	125
I Encontro Lista Vermelha de Invertebrados de Portugal Continental	Lousã, Portugal	11-12 October	Carla Rego, Helena Ceia & Mário Boieiro		60

Type (Conf., Workshop, etc)	Local (City, Country)	Date(s)	Name of the Organizers	Partners Researchers /Institutions	Number of Participants
XVI Congresso da Sociedade Portuguesa de Etologia -	Terminal de Cruzeiros do Porto de Leixões, Portugal	16 November	CIIMAR, João Pedro Barreiros como membro da Comissão Científica vd. http://webpages.icav.up.pt/beheco/spe/congresso.htm	CIBIO	> 50

6-APPENDIX SECTION

6.1-DETAILED INFORMATION FOR 2019 PROJECTS

6.1.1-INTERNATIONAL PROJECTS

1.(2008-2022) IUCN/SSC Grouper and Wrasse Specialist Group

Coordinators: Dr. Yvonne Sadovy de Mitcheson - Co-Chair, University of Hong Kong (China) and Dr. Matthew Craig – Co-Chair, National Oceanic and Atmospheric Administration (USA).
Azorean Biodiversity Group Members: João Pedro Barreiros (Universidade dos Açores- GBA – cE3c).

Budget for the ABG: not funded.

2.(2009-2020) RCE-Azores, UNU - the United Nations University Regional Centre of Expertise

Coordinator: Alison L. Neilson.

Azorean Biodiversity Group Members: Rosalina Gabriel, Ana Moura Arroz, Enésima Mendonça, Paulo A.V. Borges, Fernando Pereira (Universidade dos Açores- GBA – cE3c) and Ana Simões.

EU Leonardo DaVinci Programme for Vocational Training, Change Agents UK – support placement of interns with RCE Açores, two interns in 2011, three in 2012, two in 2013, two in 2014.

Budget for the ABG: 22.950,00 Euros.

3. (2012-2020) SLAM - Long Term Ecological Study of the Impacts of Climate Change in the natural forest of Azores

Coordinator: Paulo A.V. Borges (Universidade dos Açores- GBA – cE3c).

Azorean Biodiversity Group Members: Alejandra Ros-Prieto, Rui Nunes, Sophie Wallon and Rui Carvalho (Universidade dos Açores- GBA – cE3c).

Funding institution: NETBIOME _ISLANBIODIV and Student Grants from EU Eurodyssee Project and EU - ERASMUS Training.

Partners: Natural Parks of Santa Maria, Terceira, Faial, Pico, Flores, Graciosa, SPEA, the Botanical Garden of Faial and the Furnas Monitoring and Research Centre.

Budget for the ABG: 92.392,00 Euros.

4. (2014-2020) IUCN - Spider and Scorpion Specialist Group

Coordinator: Pedro Cardoso (Finnish Museum of Natural History, Univ. Helsinki, Helsinki, Finland).

Azorean Biodiversity Group Members: Paulo A.V. Borges and Enésima Mendonça (Universidade dos Açores- GBA – cE3c).

Budget for the ABG: not funded.

5.(2015-2020) - IUCN SSC Mid-Atlantic Island Invertebrates Specialist Group

Coordinators: Vicky Kindemba and Paulo A.V. Borges.

Azorean Biodiversity Group Members: Carla Rego, Mário Boieiro, Virgílio Vieira, Isabel Amorim, Rosalina Gabriel, Ana M. Arroz (Universidade dos Açores- GBA – cE3c) Pedro Cardoso (Finnish Museum of Natural History, Univ. Helsinki, Helsinki, Finland) and Simone Fattorini.

Budget for the ABG: 6.000,00 Euros.

6. (2016-2019) Red de excelencia en biotecnología azul (algas) de la región macaronésica

Funding Institution: European Union.

Azorean Biodiversity Group Members: Ana I. Neto (Universidade dos Açores- GBA – cE3c).

Budget for the ABG: not funded.

7.(2016-2019) ESMERALDA -Enhancing ecoSystem sERvices mApping for policy and Decision mAking

Coordinators: Benjamin Burkhard (Leibniz Universität Hannover), Marion Potschin (Fabis Consulting Ltd., UK), Joachim Maes (European Commission, DG JRC)

Azorean Biodiversity Group Members: Paulo A.V. Borges, Ana Picanço and Artur Gil (Universidade dos Açores- GBA – cE3c).

Funding Institution: European Community (H2020-SC5-2014- CSA).

Budget for the ABG: 3000,00 Euros to Support participation in Meetings.

8.(2016-2020) - Vertebrate Natural History

Coordinators: Prof. Dr. Ivan Sazima (Universidade Estadual de Campinas, São Paulo, Brazil).

Azorean Biodiversity Group Members: João Pedro Barreiros (Universidade dos Açores- GBA – cE3c).

Budget for the ABG: not funded.

9.(2016-2026) IUCN/SSC Species Monitoring Specialist Group

Coordinator: Peter J. Stephenson.

Azorean Biodiversity Group Members: Paulo A.V. Borges (Universidade dos Açores- GBA – cE3c) and Pedro Cardoso (Finnish Museum of Natural History, Univ. Helsinki, Helsinki, Finland).

Budget for the ABG: not funded.

10.(2017-2019) PERVEMAC II - Agricultura Sostenible y seguridad alimentaria en la Macaronesia: investigacion de los beneficios y riesgos por la ingesta de productos vegetales para la salud de los consumidores y desarrollo de estrategias de minimizacion de peligros

Funding Institution: INTERREG V-A-MAC 2014-2020.

Azorean Biodiversity Group Members: David João Horta Lopes (Universidade dos Açores- GBA – cE3c).

Coordinators: GMR Canarias.

Partners: Universidade dos Açores (UAC), Instituto Nacional de Investigação e Desenvolvimento Agrário (INIDA), Instituto Tecnológico de Canarias, S.A. (ITC), Dirección General de Agricultura del Gobierno de Canarias (DGA), Instituto Nacional de Saúde

Pública (INSP), Dirección General de Salud Pública del Gobierno de Canarias (DGSP), Direção Geral da Agricultura e Desenvolvimento Rural (DGADR), Universidad de Las Palmas de Gran Canaria (ULPGC), Secretaria Regional de Agricultura e Pescas (SRAP), Gestión del Medio Rural de Canarias, S.A.U. (GMR Canarias), Universidad de La Laguna (ULL), Agencia de Regulação e Supervisao dos Productos Farmaceuticos e Alimentares (ARFA).

Budget for the ABG: 103.488,95 Euros.

11. (2017-2020) MACBIOBLUE - Development of new products & processes derived from macroalgae in the context of Macaronesian Blue Biotechnology & Transfer to Enterprises

Coordinator: Eduardo Portillo Hahnefeld, Instituto Tecnológico de Canárias (Gran Canaria, Spain).

Azorean Biodiversity Group Members: Maria do Carmo Barreto (Azores team leader), Ana Seca and Ana I. Neto (Universidade dos Açores- GBA – cE3c).

Partners: FEDER partners - Fundação Gaspar Frutuoso; FICIC (Fundación Canaria del Instituto Canario de Investigación del Cancer); Universidad de Las Palmas de Gran Canaria; Universidade da Madeira; Universidad de La Laguna. Instituto Canario de Investigaciones Agrarias;

Non-FEDER Partners/Third countries - Universidade de Cabo Verde; Universidade de Ciências, de Tecnologia e de Medicina (Mauritania); Université Cheikh Anta DIOP (Senegal).

Other participants/enterprises: CEAMED SA (Canarias, Spain); Salinas Marinas de Fuertecaliente S.L. (Canarias, Spain); ECOS Estudios Ambientales y Ocenografía (Canarias, Spain); Natur Extracts S.A. (Madeira, Portugal); BRC Infraestructuras Hidráulicas (Canarias, Spain); Martell Lozano S.L.; (Canarias, Spain); Algalimento S.L. (Canarias, Spain); Ayuntamiento de Las Palmas de Gran Canaria (Canarias, Spain); COAG-Canarias (Coordinadora de Organizaciones de Agricultores y Ganaderos) (Canarias, Spain); IDEAQUA FISH & AQUAPONIC SL (Canarias, Spain); UBQ II Lda (Madeira, Portugal); Biocanarias scp (Canarias, Spain).

Budget for the ABG: 92.123,00 Euros.

12.(2017-2020) [BIOINVENT] Generic bio-inventory of functional soil microbial diversity in permanent grassland ecosystems across management and climate gradients

Funding Institution: FRCT (M1.1.C/2/001/2017) - BIODIVERSA ERA-NET

Coordinator: Luís Filipe Dias Silva (CIBIO-A).

Azorean Biodiversity Group Members: Patrícia Garcia, Maria do Carmo Barreto and Carolina Parelho (Universidade dos Açores- GBA – cE3c).

Budget for the ABG: 50.000 Euros of a total of 100.000 Euros.

13.(2017-2020) Ecofibras - Eco-sustainable valorisation of invasive vegetal species in Macaronesia to obtain fibers with industrial use

Funding Institution: FEDER – EU.

Azorean Biodiversity Group Members: Rui Elias (Universidade dos Açores- GBA – cE3c).

Other participants from other Institutions: Alfredo Borba, Carlos Vouzela, Henrique José & Duarte Rosa (University of the Azores).

Coordinators: Universidad de Las Palmas de Gran Canaria.

Partners: Universidade da Madeira (Madeira Chemistry Research Centre), Cabildo de Gran Canaria (through Jardín Botánico Canario Viera y Clavijo), Universidade dos Açores and Fundação Gaspar Frutuoso.

Budget for the ABG: not funded.

14. (2018-2019) sEcoEvo - Biodiversity Dynamics – The Nexus Between Space & Time

Funding Institution: German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig.

Coordinator: Rosemary Gillespie (University of California, Berkeley) and Michael Hickerson (City College of New York, USA).

Azorean Biodiversity Group Members: Paulo A.V. Borges and Jairo Patiño (Azorean Biodiversity Group – cE3c).

Other participants: Brent C. Emerson; Rampal S. Etienne; Catherine Graham; Joaquin Hortal; Petr Keil; Tiffany Marie Knight; Luke Mahler; Francois Massol; Angela McGaughran; Brian McGill; Isaac Overcast; Christine Parent; Katie Wagner; James Rosindell; Dylan Craven; Harmon, Luke; Andy Rominger; Jonathan Chase.

Budget for the ABG: 2.000,00 Euros.

15.(2018-2020) DynaCom- Dynamics of oceanic island arthropod communities in space and Time

Funding Institution: Ministerio de Economía, Industria & Competividad, Spain.

Coordinator: Brent Emerson (Instituto de Productos Naturales y Agrobiología (IPNA-CSIC), Tenerife, Canary Islands). Team: Marcelino del Arco Aguilar (Universidad de La Laguna); Jairo Patiño Llorente; Heriberto López Hernández, Paula Arribas Blazquez; Carmelo Andújar Fernández (IPNA-CSIC); Paulo A.V. Borges (Universidade dos Açores- GBA – cE3c).

Azorean Biodiversity Group Members: Paulo A.V. Borges and Jairo Patiño (Universidade dos Açores- GBA – cE3c).

Budget for the ABG: 10.000,00 Euros.

16.(2018-2020) IUCN SSC Macaronesian Islands Plant Specialist Group

Coordinators: Mónica Moura e Luis Silva (CIBIO-INBIO, UA).

Azorean Biodiversity Group Members: Rui Bento Elias (Universidade dos Açores- GBA – cE3c).

Budget for the ABG: not funded.

17.(2018-2021) Biodiversity and biogeography of soil protists in continental and oceanic islands

Funding Institution: Swiss National Foundation, Switzerland.

Coordinator: Edward Mitchell (Laboratory of Soil Biodiversity, University of Neuchâtel),

Azorean Biodiversity Group Members: Paulo A.V. Borges and Rosalina Gabriel (Universidade dos Açores- GBA – cE3c).

Budget for the ABG: 10.000,00 Euros.

18.(2018-2021) INCREASING UNDERSTANDING OF ALIEN SPECIES THROUGH CITIZEN SCIENCE (ALIEN-CSI)

Funding Institution: European Union.

Coordinator: Helen Roy (NERC Centre for Ecology & Hydrology (U.K.)).

Azorean Biodiversity Group Members: Paulo A.V. Borges, António Onofre Soares, Rui B. Elias, Isabel Borges & Artur Gil (Universidade dos Açores- GBA – cE3c).

Budget for the ABG: 60.000,00 Euros.

19.(2018-2021) Facilitating MAES to support regional policy in OVerseas Europe: mobilizing stakeholders and pooling resources

Funding Institution: European Commission.

Coordinator: José Azevedo (Universidade dos Açores- GBA – cE3c).

Azorean Biodiversity Group Members: Artur Gil (Universidade dos Açores- GBA – cE3c).

Budget for the ABG: 1.1105,28 Euros.

20.(2019-2021) IUCN Ladybird Specialist Group

Funding Institution: IUCN & Toyota Fund.

Coordinator: John Losey (Department of Entomology, Cornell University).

Azorean Biodiversity Group Members: António Onofre Soares (Universidade dos Açores- GBA – cE3c).

Budget for the ABG: not funded.

21.(2019-2022) MACBIOPEST - Biopesticidas botánicos de la Macaronesia: investigación y saber popular

Funding Institution: EU (Feder, Interreg Mac 2014-2020).

Coordinator: Isabel Lopez Bazzochi, Universidade de La Laguna.

Azorean Biodiversity Group Members: Ana Seca & Maria do Carmo Barreto (Universidade dos Açores- GBA – cE3c).

Budget for the ABG: 105.678,44 Euros.

6.1.2-Funded by FCT (Portuguese Science Foundation)

22. (2016-2019) 2gether “Threatened specialized interactions endemic to a biodiversity hotspot” - FCT - PTDC/BIA-BIC/1013/2014

Coordinator: Mário Boieiro (Universidade dos Açores- GBA – cE3c).

Azorean Biodiversity Group Members: Paulo A.V. Borges, Carla Rego, Fernando Pereira (Universidade dos Açores- GBA – cE3c), José Carlos Carvalho and Pedro Cardoso (Finnish Museum of Natural History, Univ. Helsinki, Helsinki, Finland).

Other participants from other Institutions: Artur Serrano, Carlos Aguiar and Rui Rebelo (Univ. Lisbon, cE3c); Luisa Carvalheiro (University of Brasília) and Dília Menezes (SPNM – Serviço do Parque Natural da Madeira).

Project's consultants: Jens Mogens Olesen (Department of Bioscience - Genetics, Ecology and Evolution, Aarhus University) and Xavier Espadaler Gelabert (CREAF, Universitat Autònoma de Barcelona).

Budget for the ABG: 139.368,00€ (10.140,00 Euros for FGF).

23.(2016-2019) MACDIV “Macaronesian Islands as a testing ground to assess biodiversity drivers at multiple scales” - FCT-PTDC/BIABIC/0054/2014

Coordinators: Paulo A.V. Borges (Universidade dos Açores- GBA – cE3c) and François Rigal.

Azorean Biodiversity Group Members: Pedro Cardoso (Finnish Museum of Natural History, Univ. Helsinki, Helsinki, Finland), Isabel Amorim, Mário Boieiro, Carla Rego, Rosalina Gabriel, Fernando Pereira (Universidade dos Açores- GBA – cE3c) and José Carlos Carvalho.

Other participants from other Institutions: Octávio Paulo (Univ. Lisbon, cE3c); Brent Emerson (Island Ecology and Evolution Research Group, Instituto de Productos Naturales y Agrobiología, Canary Islands, Spain) and Miquel Arnedo, Luís Crespo (Departament de Biologia Animal, Universitat de Barcelona, Barcelona, Spain); Jagoba Malumbres Olarte (University of Copenhagen); Maria Romeiras (ISA, Univ of Lisbon).

Project's consultants: Robert Whittaker (Biodiversity Research Group, Oxford University Centre for the Environment); Kostas Triantis (Department of Ecology and Taxonomy, Faculty of Biology, University of Athens); Rosemary Gillespie (University of California, Berkeley) and José María FernándezPalacios (University of La Laguna).

Budget for the ABG: 197.628,00 Euros.

24.(2016-2019) MOMENTOS “Spatial scaling of species diversity” - FCT- PTDC/BIA-BIC/5558/2014

Coordinator: Luis Borda-de-Água (CIBIO).

Azorean Biodiversity Group Members: Paulo A.V. Borges, Rosalina Gabriel (Universidade dos Açores- GBA – cE3c) and Pedro Cardoso (Finnish Museum of Natural History, Univ. Helsinki, Helsinki, Finland).

Other participants from other Institutions: Henrique Pereira (Biodiversity Conservation, iDiv, Leipzig) and Francisco Dionísio (cE3c).

Budget for the ABG: 7.290,00 Euros of a total of 98.574,00 Euros.

25.(2016-2021) FCT- Azores Bioportal - PORBIOTA

Coordinator: Paulo A.V. Borges (Universidade dos Açores- GBA – cE3c).

Azorean Biodiversity Group Members: Rosalina Gabriel, Ana M. Arroz, Isabel R. Amorim, António Onofre Soares, Enésima Mendonça, João Pedro Barreiros, Rui Elias (Universidade dos Açores- GBA – cE3c) and Pedro Cardoso (Finnish Museum of Natural History, Univ. Helsinki, Helsinki, Finland).

Budget for the ABG: 299.901,00 Euros.

26.(2018-2020) "WOOF - Tracing the origins and evolutionary paths of the Iberian and the Maghreb Dog" - FCT - PTDC/HAR-ARQ/29545/2017

Coordinator: Ana E. Pires, ICETA, Universidade do Porto, Portugal.

Azorean Biodiversity Group Members: Isabel R. Amorim (Universidade dos Açores- GBA – cE3c).

Budget for the ABG: not funded.

27.(2018-2021) FCT- FG "Field Guide: Designing Mobile Interactive Tools for Place-Based Learning"

Coordinator: Sónia Matos (M-ITI (www.m-iti.org); Co-PI – Rosalina Gabriel (Universidade dos Açores- GBA – cE3c).

Azorean Biodiversity Group Members: Paulo A.V. Borges, Isabel R. Amorim, Ana Arroz (Universidade dos Açores- GBA – cE3c).

Budget for the ABG: 65.000,00 Euros of a total of 239.938,00 Euros.

6.1.3-Funded by FRCT (Azorean Science Foundation)

28. (2016-2019) PO Açores - ecosystem impacts and socioeconomic benefits of asparagopsis armata in the azores

Coordinator: Ana Neto (Universidade dos Açores- GBA – cE3c).

Azorean Biodiversity Group Members: Afonso Prestes, Ana Seca, Eva Cacabelos, João Santos, Marc Morron and Maria Carmo Barreto (Universidade dos Açores- GBA – cE3c).

Budget cE3c: 150.000,00 Euros.

29.(2016-2019) PO Açores - SMART ► TOURISM

Coordinator: Maria Teresa Pinheiro de Melo Borges Tiago (Universidade dos Açores)

Members: João Pedro de Almeida Couto (Universidade dos Açores), Artur Gil (Universidade dos Açores- GBA – cE3c), Flávio Gomes Borges Tiago (Universidade dos Açores), Sandra Dias Faria (Universidade dos Açores), Maria Luz Paramio Martin (CEEApIA), Francisco Amaral (Universidade dos Açores)

Budget for the ABG: not funded.

30. (2016-2019) PO Açores - PROAAcXXIs - Projecções das alterações climática nos açores para o século XXI: Implicações hidrológicas de interesse agronómico e ambiental

Coordinator: Eduardo Brito de Azevedo (Universidade dos Açores).

Members: Eduardo Brito de Azevedo (Universidade dos Açores), Paulo A.V. Borges, Rosalina Gabriel and Rui Elias (Universidade dos Açores- GBA – cE3c), Joana Barcelos Ramos (Universidade dos Açores), Jorge Pinheiro, João S. Madruga, Luís Santos Pereira (Instituto Superior de Agronomia, Lisboa, Portugal; Consultor), Pedro M. Miranda (Faculdade de Ciências da Universidade de Lisboa, Portugal; Consultor).

Budget for the ABG: not funded.

31.(2016-2019) PO Açores - TU-SÉNIOR 55+ - Turismo sénior e bem-estar no destino Açores: criação de um produto cultural

Coordinator: Maria Teresa Pires de Medeiros.

Members: Carlos Alberto da Silva Melo Santos (CEEApIA), Ana Isabel Damião de Serpa Arruda Moniz (CEEApIA), Licínio Manuel Vicente Tomás (Departamento de História, Filosofia e Ciências Sociais da Universidade dos Açores & CICS.NOVA.UAC), Osvaldo Dias Lopes Silva (Departamento de Matemática da Universidade dos Açores & CICS.NOVA.UAC), Virgílio Fernando Ferreira Vieira (Departamento de Biologia da Universidade dos Açores & (GBA – cE3c)) e o Consultor Joaquim Armando Gomes Alves Ferreira (IPCDVS e Unidade de Investigação FCT da Faculdade de Psicologia e Ciências da Educação da Universidade de Coimbra).

Budget for the ABG: not funded.

32.(2016-2019) PO Açores GPS Azores-Geographical and Political Scenarios for Maritime Spatial Planning in the Azores and North Atlantic

Coordinator: Helena Calado.

Members: Artur Gil & Paulo A.V. Borges (Universidade dos Açores- GBA – cE3c)

Budget for the ABG: not funded.

33.(2019-2021) PO Açores - AGRO-ECOSERVICES - Assessing ecosystem services and disservices provided by arthropod species in Azorean agroecosystem

Coordinator: Paulo A.V. Borges (Universidade dos Açores- GBA – cE3c).

Members: Rui Nunes (Universidade dos Açores- GBA – cE3c), Artur Gil (Universidade dos Açores- GBA – cE3c), David João Horta Lopes (Universidade dos Açores- GBA – cE3c), Marco Girardello and Gabor Lövei (Aarhus University).

Budget for the ABG: 178.209,00 Euros.

34.(2019-2021) PO Açores - 3B-vent-Biodiversity, Biological interactions and Biotechnological products of coastal hydrothermal vents in Azores

Coordinator: Ana I. Neto (Universidade dos Açores- GBA – cE3c).

Members: Ana Maria Loureiro da Seca (Univ. Azores, FCT-DCFQE), Carla Cabral, Maria do Carmo Barreto (Univ. Azores, FCT-DCFQE), Vitor Gonçalves, Duarte Toubarro, Gustavo Martins, Joana B. Ramos, Afonso Prestes (Univ. Azores, FCT-DB) and Ignacio Moreu (Universidade dos Açores- GBA – cE3c).

Budget for the ABG: 179.968,42 Euros.

35.(2019-2021) PO Açores - MEEMO: Manter, expandir e explorar a plataforma MONICET de observação de cetáceos. Uma oportunidade para a ciência, as políticas públicas e as empresas

Coordinator: José Manuel Azevedo (Universidade dos Açores- GBA – cE3c).

Members: Marc Fernández Morrón (Universidade dos Açores- GBA – cE3c), Arianna Cecchetti (Universidade dos Açores- GBA – cE3c), João Pedro Barreiros (Universidade dos Açores- GBA – cE3c), Luís Miguel Duarte Barcelos (Universidade dos Açores- GBA – cE3c), José Eduardo Toste (Universidade dos Açores- GBA – cE3c), Albrecht Gnauck (Brandenburg

University of Technology, Germany), José Manuel Hidalgo Roldán (Balearic Islands Oceanographic Centre, Spanish Institute of Oceanography).

Budget for the ABG:

36.(2019-2022) PO Açores - PASTURCLIM - Impact of climate change on pasture's productivity and nutritional composition in the Azores

Coordinator: Maria Teresa Ferreira (Universidade dos Açores- GBA – cE3c).

Members: Rui Elias & Paulo A.V. Borges (Universidade dos Açores- GBA – cE3c), Alfredo Emilio Silveira de Borba and João da Silva Madruga (Institute of Agricultural and Environmental Research and Technology (IITAA)).

Budget for the ABG: 179.444,78 Euros.

37.(2019-2022) PO Açores - ECO2 - TUTA - Ecological and economic feasibility of mass production of biological agents to control tomato moth, Tuta absoluta (Meyrick) (Lepidoptera, Gelechiidae) in protected culture

Coordinator: António Onofre Soares (Universidade dos Açores- GBA – cE3c), Co-leader Maria Luísa Oliveira (Ph.D.; Biotechnology Centre of Azores, CBA);

Members: Isabel Borges (Universidade dos Açores- GBA – cE3c); João Cândido Tavares (Ph.D.; Biotechnology Centre of Azores, CBA); Maria da Graça Câmara Batista (Ph.D.; Centre of Applied Economics Studies of the Atlantic, CEEApIA); João Carlos Aguiar Teixeira (Ph.D.; Centre of Applied Economics Studies of the Atlantic, CEEApIA); José Adriano Rodrigues Mota (MSc; Governmental Direção de Serviços de Agricultura da Direção Regional da Agricultura, DSA/DRAg); Ana Catarina Faria Silva Durão (MSc; Governmental Direção de Serviços de Agricultura da Direção Regional da Agricultura, DSA/DRAg);

Collaborators: Elisabete Figueiredo (Ph.D.; Linking Landscape, Environment, Agriculture and Food, LEAF); Elsa Borges da Silva (Ph.D.; Forest Research Centre, CEF), José Carlos Franco (Ph.D.; Forest Research Centre, CEF), Eric Lucas (Ph.D. diploma in Plant Biology – University Laval, UQÀM), Silvia Todorova (Ph.D. diploma Microbiology, Anatis Bioprotection Inc.)

Budget for the ABG: 176.382,6 Euros.

6.1.4-Other Funding Institutions

38. (2015-2019) DRAM- Direcção Regional do Ambiente (Secretaria Regional da Agricultura e Ambiente) “Control of the Termite Reticulitermes species in Praia da Vitória (Terceira) and Horta (Faial)” SAI-DRA-2015/2614 -P009.07.01/193

Funding Institution: DRAM – Azores.

Coordinator: Paulo A.V. Borges (Universidade dos Açores- GBA – cE3c).

Members: Lina Nunes (LNEC) and Orlando Guerreiro (Universidade dos Açores- GBA – cE3c).

Budget for the ABG: 14.950,00 Euros + 10.659,70 Euros (2018).

39.(2015-2020) DRAM- Direcção Regional do Ambiente (Secretaria Regional da Agricultura e Ambiente) “Control and Erradication plan for of the drywood termite *Cryptotermes brevis* in Azores” - SAI-DRA-2015/3713 -P009.07.01/250

Funding Institution: DRAM – Azores.

Coordinator: Paulo A.V. Borges (Universidade dos Açores- GBA – cE3c).

Members: Lina Nunes (LNEC), Orlando Guerreiro and Sophie Wallon (Universidade dos Açores- GBA – cE3c).

Budget for the ABG: 29.994,00 Euros.

40.(2016-2020) Investigating the influence of environmental boundaries on the population structure of Yellowmouth Barracuda, *Sphyraena viridensis*

Funding Institution: Natural Environmental Research Council (NERC).

Coordinator:

Azorean Biodiversity Group Members: João Pedro Barreiros (Universidade dos Açores- GBA – cE3c).

Budget for the ABG: not funded.

41.(2017-2020) PICONIA - Controlo biológico de populações de afídeos (Hemiptera: Aphididae) em viveiros florestais: efeitos de uma abordagem multiespecífica; Projeto Investigação para combate a Afídeos em Viveiros Florestais

Funded by Direcção Regional dos Recursos Florestais

Coordinator: António Onofre Soares (Universidade dos Açores- GBA – cE3c).

Members: Virgílio Vieira (Universidade dos Açores- GBA – cE3c).

Budget for the ABG: 30.030,00 Euros.

42.(2018-2021) Elaboração da Lista Vermelha de grupos de Invertebrados Terrestres e de Água Doce de Portugal Continental

Funded by POSEUR e Fundo Ambiental.

General Coordinator: FCIências.ID

Scientific Coordinator: Mário Boieiro (Universidade dos Açores- GBA – cE3c).

Executive Coordinator: Carla Rego (Universidade dos Açores- GBA – cE3c).

Global Budget: 528 490,23 Euros.

43. (2019-2021) Eel migration- the final act (EELTrek)

Coordinator: José Manuel Azevedo (Universidade dos Açores- GBA – cE3c).

Members: Dr. Ros Wright, Senior Fisheries Technical Specialist, Environment Agency, England, Dr. Matthew Gollock, Marine and Freshwater programme manager, Zoological Society of London, UK, Dr. Adam Piper, Research Associate in Fish behaviour and Ecohydraulics, Institute of Zoology, Zoological Society of London, UK & Dr. Alan Walker, Principal Scientist, Freshwater and Diadromous Fisheries, Centre for Environment, Fisheries and Aquaculture (CEFAS), England.

Budget for the ABG: 100.000,00 Euros.

6.2-DETAILED INFORMATION FOR PUBLICATIONS

6.2.1-INTERNATIONAL PEER REVIEWED PAPERS (IN JOURNALS WITH IMPACT FACTOR)

6.2.1.1-By at least one integrated member (n= 60)

- 1.Ameixa, O.M.C.C., Šipoš, J., Burda, M., Soares, A.M.V.M. & Soares, A.O. (2019) Factors influencing the introduction and spread of *Harmonia axyridis* in the Iberian Peninsula. *Biological Invasions*, **22(1)**, 323-331. DOI:10.1007/s10530-018-1841-x (IF2017 **3,054**; Q1 Biodiversity Conservation) (P1239)**
- 2.Anjos, M.R., Machado, N.G., Pedersoli, M.A., Pedersoli, N.R.B., Barros, B.S., Lourenço, I.H. & Barreiros, J.P. (2019) Survey of fish species from the Lower Roosevelt River,**

Southwestern Amazon basin. *Biota Neotropica*, **19(4)**, e20180717. DOI:10.1590/1676-0611-BN-2018-0717 **(IF2018 1,277; Q3 Biodiversity Conservation) (P1474)**

- 3.Ávila, S.P., Melo, C., Berning, B., Sá, N.B.F., Quartau, R., Rijdsdijk, K.F., Ramalho, R.S., Cordeiro, R., Sá, N.C. de, Pimentel, A., Baptista, L., Medeiros, A., **Gil, A.** & Johnson, M.E. (2019) Towards a “Sea-Level Sensitive” dynamic model: impact of island ontogeny and glacio-eustasy on global patterns of marine island biogeography. *Biological Reviews*, **94(3)**, 1116-1142. DOI:10.1111/brv.12492 **(IF2017 11,700; Q1 Biology) (P1264)**
- 4.Barbosa, R., Pinto, C., **Garcia, P.V.** & Rodrigues, A. (2019) Prevalence of fasciolosis in slaughtered dairy cattle from São Miguel Island, Azores, Portugal. *Veterinary Parasitology*, **17**, 1-6. DOI:10.1016/j.vprsr.2019.100319 **(IF2018 2,009; Q2 Parasitology) (P1393)**
- 5.Barriault, S., Fournier, M., **Soares, A.O.** & Lucas, E. (2019) *Leucopis glyphinivora*, a potential aphidophagous biocontrol agent? Predation and comparison with the commercial agent *Aphidoletes aphidimyza*. *Biocontrol*, **64**, 21-31. DOI:10.1007/s10526-018-09909-x **(IF2017 1,924; Q1 Entomology) (P1234)**
- 6.Barriault, S., **Soares, A.O.**, Gaimari, S.D. & Lucas, E. (2019) *Leucopis glyphinivora* Tanasijtshuk (Diptera: Chamaemyiidae) a new aphidophagous biocontrol agent; development, survival and comparison with *Aphidoletes aphidimyza* Rondani (Diptera: Cecidomyiidae). *Bulletin of Entomological Research*, **109(4)**, 1-7. DOI:10.1017/S0007485318000767 **(IF2018 1,810; Q1 Entomology) (1548)**
- 7.Benedicto-Royuela, J., Hervías-Parejo, S., de la Cruz, A., Geraldés, P., Costa, L.T. & **Gil, A.** (2019) The socio-economic impact of conservation: the Safe Islands for Seabirds LIFE project. *Oryx*, **53**, 109-116. DOI:10.1017/S0030605317000205 **(IF2017 2.333; Q2 Biodiversity Conservation) (P0960)**
- 8.**Bernardo, F.**, Pinho, P., Matos, P., Viveiros, F., Branquinho, C., Rodrigues, A. & **Garcia, P.V.** (2019) Spatially modelling the risk areas of chronic exposure to hydrothermal volcanic emissions using lichens. *Science of the Total Environment*, **697**, 133891. DOI:10.1016/j.scitotenv.2019.133891 **(IF2018 5,589; Q1 Environmental Sciences) (P1471)**

- 9.**Borges, P.A.V., Lamelas-López, L., Amorim, I.R., Danielczak, A., Boieiro, M., Rego, C., Wallon, S., Nunes, R., Cardoso, P. & Hochkirch, A. (2019) Species conservation profiles of cave-dwelling arthropods from Azores, Portugal. *Biodiversity Data Journal*, **7**, e32530. DOI:10.3897/BDJ.7.e32530 **(IF2,019 ; Q3 Biodiversity Conservation) (P1373)**
- 10.**Branco, V.V., Henriques, S., Rego, C. & Cardoso, P. (2019) Species conservation profiles of spiders (Araneae)endemic to mainland Portugal. *Biodiversity Data Journal*, **7**, e39315. DOI:10.3897/BDJ.7.e39315 **(IF2018 1,029; Q3 Biodiversity Conservation) (P1570)**
- 11.**Brown, P., RELISH Consortium (...Borges, P.A.V. et al.,) & Zhou, Y. (2019) Large expert-curated database for benchmarking document similarity detection in biomedical literature search. *Database-The Journal of Biological Databases and Curation*, **2019**, 1-66. DOI:10.1093/database/baz085 **(IF2018 3,683; Q1 Mathematical & Computational Biology) (P1550)**
- 12.**Cacabelos, E., Faria, J., Martins, G.M., Mir, C., Parente, M.I., Gabriel, D., Sánchez, R., Altamirano, M., Costa, A.C., Prud'homme van Reine, W.F. & Neto, A.I. (2019) *Caulerpa prolifera* (Forsskål) J.V. Lamouroux: an unusual resident in the Azores (NE Atlantic). *Botanica Marina*, **62(2)**, 155-160. DOI:10.1515/bot-2018-0075 **(IF2018 0,919; Q4 Plant Sciences) (P1555)**
- 13.**Cacabelos, E., Gestoso, I., Ramalhosa, P., Riera, La., Neto, A.I. & Canning-Clode, J. (2019) Intertidal assemblages across boulders and continuous rocky platforms: a multi-scaled approach in a subtropical island. *Marine Biodiversity*, **49(6)**, 2709–2723. DOI:10.1007/s12526-019-01000-7 **(IF2018 1,743; Q2 Marine & Freshwater Biology) (P1571)**
- 14.**Cacabelos, E., Thompson, R.C., Prestes, A.C.L., Azevedo, J.M.N., Neto, A.I. & Martins, G.M. (2019) Patchiness in habitat distribution can enhance biological diversity of coastal engineering structures. *Aquatic Conservation-Marine and Freshwater Ecosystems*, **29(1)**, 127-135. DOI:10.1002/aqc.2972 **(IF2017 2,988; Q1 Marine & Freshwater Biology) (P1223)**
- 15.**Câmara, S.C., Dapkevicius, A., Riquelme, C., Elias, R.B., Silva, C.C.G., Malcata F.X. & Dapkevicius, M.L.N.E (2019) Potential of lactic acid bacteria from Pico cheese for starter culture development. *Food Science and Technology International*, **25(4)**, 303-

317. DOI:10.1177/1082013218823129 (IF2018 1,221; Q3 Food Science & Technology) (P1349)
16. Camarinho, R., Garcia, P.V., Choi, H. & Rodrigues, A.S. (2019) Chronic exposure to non-eruptive volcanic activity as cause of bronchiolar histomorphological alteration and inflammation in mice. *Environmental Pollution*, **253**, 864-871. DOI:10.1016/j.envpol.2019.07.056 (IF2018 5,714; Q1 Environmental Sciences) (P1416)
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- 33.Malumbres-Olarte, J., Cardoso, P., Crespo, L., Gabriel, R., Pereira, F., Carvalho, R., Rego, C., Nunes, R., Ferreira, M.T., Amorim, I.R., Rigal, F. & Borges, P.A.V. (2019)** Standardised inventories of spiders (Arachnida, Araneae) of Macaronesia I: the native forests of the Azores (Pico and Terceira islands). *Biodiversity Data Journal*, **7**, e32625. DOI:10.3897/BDJ.7.e32625 (IF2,019 ; Q3 Biodiversity Conservation) (P1374)
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- 41.Norder, S.J.,** Proios, K.V., Whittaker, R.A., Alonso, M., **Borges, P.A.V.,** Borregaard, M., Cowie, R.H., Florens, V., de Frias Martins, A.M., Ibáñez, M., Kissling, W., de Nascimento, L. Otto, R., Parent, C., **Rigal, F.,** Warren, B.H., Fernandez-Palacios, J.M., Van Loon, E., **Triantis, K.A.** & Rijdsdijk, K.F. (2019) Beyond the Last Glacial Maximum: Island endemism is best explained by long-lasting archipelago configurations. *Global Ecology and Biogeography*, **28(2)**, 184-197. DOI:10.1111/geb.12835 **(IF2017 5,958; Q1 Ecology) (P1227)**
- 42.Nunes, N. Valente, S.,** Ferraz, S., **Barreto, M.C.** & Pinheiro de Carvalho, M.A.A. (2019) Validation of a spectrophotometric methodology for a rapid iodine analysis in algae and seaweed casts. *Algal Research-Biomass Biofuels and Bioproducts*, **42**, . DOI:10.1016/j.algal.2019.101613 **(IF2018 3,723; Q1 Biotechnology & Applied Microbiology) (P1398)**
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- 44.Pavão, D.C.,** **Elias, R.E.** & Silva, L. (2019) Comparison of discrete and continuum community models: Insights from numerical ecology and Bayesian methods applied to Azorean plant communities. *Ecological Modelling*, **402**, 93-106. DOI:10.1016/j.ecolmodel.2019.03.021 **(IF2017 2,507; Q2 Ecology) (P1379)**

45. Pires, A.E., Detry, C., Chikhi, L., Rasteiro, R., **Amorim, I.R.**, Simões, F., Matos, J., Petrucci-Fonseca, F. *et al.*, (2019) The curious case of the Mesolithic Iberian dogs: an archaeogenetic study. *Journal of Archaeological Science*, **105**, 116-129. DOI:10.1016/j.jas.2019.03.002 (**IF2017 3,061; Q2 Geosciences, Multidisciplinary**) (**P1375**)
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49. Rosa, G.P., Barreto, M.C. & Seca, A.M.L. (2019) Pharmacological effects of *Fucus spiralis* extracts and phytochemicals: a comprehensive review. *Botanica Marina*, **62(2)**, 167-178. DOI:10.1515/bot-2018-0047 (**IF2018 0,919; Q4 Plant Sciences**) (**P1396**)
50. Rosa, G.P., Seca, A.M.L., Barreto, M.C., Silva, A.M.S. & Pinto, D.C.G.A. (2019) Chalcones and flavanones bearing hydroxyl and/or methoxyl groups: synthesis and biological assessments. *Applied Sciences*, **9(14)**, 2846. DOI:10.3390/app9142846 (**IF2018 2,217; Q3 Materials Science, Multidisciplinary**) (**P1397**)
51. Rosa, R., Kelly, J.T., Lopes, V.L., Paula, J.R., Gonçalves, J., Calado, R., Norman, M.D. & Barreiros, J.P. (2019) Deep-sea seven-arm *octopus hijacks* jellyfish in shallow waters. *Marine Biodiversity*, **49(1)**, 495-499. DOI:10.1007/s12526-017-0767-3 (**IF2017 2.077; Q2 Marine & Freshwater Biology**) (**P0978**)

- 52.Salehi, B., Iriti, M., Vitalini, S., Antolak, H., Pawlikowska, E., Kregiel, D., Sharifi-Rad, J., Oyeleye, S.I., Ademiluyi, A.O., Czopek, K., Staniak, M., Custódio, L., Coy-Barrera, E., Segura-Carretero, A., Cádiz-Gurrea, M.L., Capasso, R., Cho, W.C. & **Seca, A.M.L.** (2019) Euphorbia-derived natural products with potential for use in health maintenance Maintenance. *Biomolecules*, **9(8)**, 337. DOI:10.3390/biom9080337 **(IF2018 4,694; Q1 Biochemistry & Molecular Biology) (P1470)**
- 53.Salehi, B., Sharifi-Rad, J., **Seca, A.M.L.**, Pinto, D.C.G.A., Michalak, I., Trincone, A., Mishra, A.P., Nigam, M., Zam, W. & Martins, N. (2019) Current trends on seaweeds: looking at chemical composition, phytopharmacology, and cosmetic applications. *Molecules*, **24(22)**, e4182. DOI:10.3390/molecules24224182 **(IF2018 3,060; Q2 Qchemistry, Multidisciplinary) (P1657)**
- 54.Silva, L.D., Azevedo, E.B., Reis, F.V., **Elias, R.B.** & Silva, L. (2019) Limitations of species distribution models based on available climate change data: a case study in the azorean forest. *Forests*, **10(7)**, 575. DOI:10.3390/f10070575 **(IF2018 2,116; Q2 Forestry) (P1405)**
- 55.Silva, M., Rodriguez, I., Barreiro, A., Kaufmann, M., **Neto, A.I.**, Hassouani, M., Sabour, B., Alfonso, A., Botana, L.M. & Vasconcelos, V. (2019) Tetrodotoxins Occurrence in Non-Traditional Vectors of the North Atlantic Waters (Portuguese Maritime Territory, and Morocco coast). *Toxins*, **11**, E306. DOI:10.3390/toxins11060306 **(IF2017 3,273; Q1 Toxicology) (P1385)**
- 56.Silva, P.T.M., Silva, M.A.F., Silva, L. & **Seca, A.M.L.** (2019) Ethnobotanical knowledge in Sete Cidades, Azores Archipelago: first ethnomedicinal report. *Plants-Basel*, **8(8)**, E256. DOI:10.3390/plants8080256 **(IF2018 2,632; Q2 Plant Sciences) (P1410)**
- 57.Tavares, W.R. & **Seca, A.M.L.** (2019) *Inula* L. secondary metabolites against oxidative stress-related human diseases. *Antioxidants*, **8**, e122. DOI:10.3390/antiox8050122 **(IF2018 4,520; Q1 Biochemistry & Molecular Biology) (P1406)**
- 58.Torres, L.A., Rodrigues, A.S., Linhares, D., Camarinho, R., Rego, Z.M.N.P.S. & **Garcia, P.V.** (2019) Buccal epithelial cell micronuclei: Sensitive, non-invasive biomarkers of occupational exposure to low doses of ionizing radiation. *Mutation Research/Genetic*

DOI:10.1016/j.mrgentox.2018.12.009 (IF2016 2,133; Q2 Toxicology) (P1350)

- 59.**Vaini, J.O., Mota, K.G., Ojeda, A.P., **Barreiros, J.P.**, Moreira, R.G. & Hilsdorf, A.W.S. (2019) Development and characterization of 20 polymorphic microsatellite markers for *Epinephelus marginatus* (Lowe, 1834) (Perciformes: Epinephelidae) using 454 pyrosequencing. *Genetics and Molecular Biology*, **42(1)**, 74-79. DOI:10.1590/1678-4685-GMB-2018-0067 **(IF2018 2,127; Q4 Genetics & Heredity) (P1135)**
- 60.**Zaviezo, T., **Soares, A.O.** & Grez, A.A. (2019) Interspecific exploitative competition between *Harmonia axyridis* and other coccinellids is stronger than intraspecific competition. *Biological Control*, **131**, 62-68. DOI:10.1016/j.biocontrol.2018.12.008 **(IF2016 2,307; Q1 Entomology) (P1358)**

6.2.1.2-By Associate Research Fellows only (n=14)

- 1.**Aspin, T.W.H., Khamis, K., **Matthews, T.J.**, Milner, A.M., O'Callaghan, M.J., Trimmer, M., Woodward, G. & Ledger, M.E. (2019) Extreme drought pushes stream invertebrate communities over functional thresholds. *Global Change Biology*, **25**, 230-244. DOI:10.1111/gcb.14495 **(IF2017 8,997; Q1 Ecology) (P1262)**
- 2.**Buechley, E.T., Santangeli, A., **Girardello, M.**, Neate-Clegg, M.H.C., Oleyar, D., McClure, C.J.W. & Şekercioğlu, Ç, H (2019) Global raptor research and conservation priorities: Tropical raptors fall prey to knowledge gaps. *Diversity and Distributions*, **25(6)**, 856-869. DOI:10.1111/ddi.12901 **(IF2017 4,614; Q1 Ecology) (P1362)**
- 3.**Cordeiro, R., **Bagaço, L.**, Santos, M.A. & Ávila, S.P. (2019) First record of *Nereiphylla paretii* (Polychaeta: Phyllodocidae) in the Azores, with a compiled list of the shallow-water marine polychaetes from the archipelago. *Cahiers de Biologie Marine*, **60(1)**, 69-79. DOI:10.21411/CBM.A.71730B95 **(IF2017 0,525; Q4 Marine & Freshwater Biology) (P1361)**
- 4.**Craig, C.A., Thomson, R.L., **Girardello, M.** & Santangeli, A. (2019) The drivers and extent of poison use by Namibia's communal farmers: Implications for averting the African vulture crisis. *Ambio*, **48(8)**, 913-922. DOI:10.1007/s13280-018-1128-6 **(IF2017 3,616; Q2 Environmental Sciences) (P1261)**

5. Fagerholm, N., Torralba, M., Moreno, G., **Girardello, M.**, et al. (2019) Cross-site analysis of perceived ecosystem service benefits in multifunctional landscapes. *Global Environmental Change*, **56**, 134-147. DOI:10.1016/j.gloenvcha.2019.04.002 **(IF2017 6,371; Q1 Environmental sciences) (P1378)**
6. Leveau, L.M., Ruggiero, A., **Matthews, T.J.** & Bellocq, M.I. (2019) A global consistent positive effect of urban green area size on bird richness. *Avian Research*, **10(30)**, . DOI:10.1186/s40657-019-0168-3 **(IF2018 0,818; Q3 Ornithology) (P1472)**
7. Quintana, C., **Girardello, M.** & Balslev, H. (2019) Balancing plant conservation and agricultural production in the Ecuadorian Dry Inter-Andean Valleys. *PeerJ*, **7**, e6207. DOI:10.7717/peerj.6207 **(IF2017 2,118; Q1 Multidisciplinary Sciences) (P1363)**
8. **Matthews, T.J.** & Aspin, T.W.H. (2019) Model averaging fails to improve the extrapolation capability of the island species–area relationship. *Journal of Biogeography*, **46(7)**, 1-11. DOI:10.1111/jbi.13598 **(IF2018 3,884; Q1 Ecology) (P1388)**
9. **Matthews, T.J.**, Aspin, T.W.H., Ulrich, W., Baselga, A., Kubota, Y., Proios, K., Triantis, K.A., Whittaker, R.J. & Strona, G. (2019) Can additive beta diversity be reliably partitioned into nestedness and turnover components? *Global Ecology and Biogeography*, **28(8)**, 1-9. DOI:10.1111/geb.12921 **(IF2018 5,667; Q1 Ecology) (P1386)**
10. **Matthews, T.J.**, Rigal, F., Triantis, K.A. & Whittaker, R.J. (2019) A global model of island species-area relationships. *PNAS - Proceedings of The National Academy of Sciences of The United States of America*, **116 (25)**, 12337-12342. DOI:10.1073/pnas.1818190116 **(IF2017 9,504; Q1 Multidisciplinary Sciences) (P1381)**
11. **Matthews, T.J.**, Sadler, J.P., Kubota, Y., Woodall, C.W. & Pugh, T.A.M. (2019) Systematic variation in North American tree species abundance distributions along macroecological climatic gradients. *Global Ecology and Biogeography*, **28(5)**, 601-611. DOI:10.1111/geb.12879 **(IF2017 5,958; Q1 Ecology) (P1357)**
12. **Matthews, T.J.**, Triantis, K., Whittaker, R.J. & Guilhaumon, R. (2019) sars: an R package for fitting, evaluating and comparing species–area relationship models. *Ecography*, **42(8)**, 1446-1455. DOI:10.1111/ecog.04271 **(IF2018 5,946; Q1 Ecology) (P1368)**

13. Mittermeier, J.C., Roll, U., **Matthews, T.J.** & Grenyer, R. (2019) A season for all things: phenological imprints in Wikipedia usage and their relevance to conservation. *PLOS Biology*, **17(3)**, e3000146. DOI:10.1371/journal.pbio.3000146 (**IF2017 9,163; Q1 Biology**) (**P1364**)

14. Santangeli, A., **Girardello, M.**, Buechley, E., Botha, A., Di Minin, E. & Moilanen, A. (2019) Priority areas for conservation of Old World vultures. *Conservation Biology*, **33(5)**, 1-10. DOI:10.1111/cobi.13282 (**IF2018 6,194; Q1 Ecology**) (**P1365**)

6.2.2-BOOK

6.2.2.1-By at least one integrated member (n=2)

1. **Gabriel, R.** & **Borges, P.A.V.** (Eds.) (2019) *Guia Prático da Fauna Terrestre dos Açores*. Instituto Açoriano de Cultura, Angra do Heroísmo. 480 pp. ISBN:978-989-8225-63-4. (**P1552**)

2. Hodgetts, N., Calix, M., Englefield, E., Fettes, N., García Criado, M., Patin, L., Nieto, A., Baisheva, E., Bergamini, A., Bisang, I., Campisi, P., Cogoni, A., Konstantinova, N., Lockhart, N., Sabovjevic, M., Schnyder, N., Schröck, C., Sérgio, C., Sim Sim, M., Vrba, J., Ferreira, C.C., Afonina, O., Blockeel, T., Blom, H., Caspari, S., **Gabriel, R.**, Garcia, C., Garilleti, R., González Mancebo, J., Goldberg, I., Hedenäs, L., Holyoak, D., Hugonnot, V., Huttunen, S., Ignatov, M., Ignatova, E., Infante, M., Juutinen, R., Kiebacher, T., Köckinger, H., Kučera, J., Lönnell, N., Lüth, M., Martins, A. *et al.* (2019) *European Red List of Mosses, Hornworts and Liverworts*. Brussels, Belgium: IUCN. (**P1526**)

6.2.2.2-By Associate Research Fellows only (n=1)

1. Medeiros, T., Moniz, A. I., Santos, C., Tomás, L., Silva, O., Furtado, S., **Vieira, V.** & Ferreira, J. (2019) Livro De Resumos do I Congresso Internacional de Turismo Sénior. *Letras Lavadas e Tu Sénior 55+*, Ponta Delgada. ISBN:978-989-735-231-7. (**P1561**)

6.2.3-BOOK CHAPTERS

6.2.3.1-By at least one integrated member (n=7)

1. **Borges, P.A.V.**, **Gabriel, R.** & Fattorini, S. (2019) Biodiversity erosion: causes and consequences. Life on Land. Encyclopedia of the UN Sustainable Development Goals

(ed. by W.L Filho *et al.*), pp. 1-10. The Springer Nature, Switzerland. DOI:0.1007/978-3-319-71065-5_78-1. **(P1394)**

2.Borges, P.A.V., Melo, C., Pereira, C., Martins, A.F., **Vieira, V., Wallon, S., Cardoso, P., Picanço, A., Lamelas-Lopez, L., Amorim, I.R.,** Serrano, A.R.M., **Nunes, L., Duarte, S., Soares, A.O., Mendonça, E.,** Stüben, P.E., **Borges, I.,** Lissner, J. & Faasen, T. (2019) Fichas de Espécies. *Guia Prático da Fauna Terrestre dos Açores* (ed. by R. **Gabriel** and **P.A.V. Borges**), pp. 14-456. Instituto Açoriano de Cultura, Angra do Heroísmo. ISBN:978-989-8225-63-4. **(P1553)**

3.Borges, P.A.V., Santos, A.M.C., Elias, R.B. & Gabriel, R. (2019) The Azores Archipelago: Biodiversity Erosion and Conservation Biogeography. *Encyclopedia of the World's Biomes-Earth Systems and Environmental Sciences*. Reference Module in Earth Systems and Environmental Sciences (ed. by E. Scott et al.), pp. 1-18. Elsevier, Amsterdam, Netherlands. DOI:10.1016/B978-0-12-409548-9.11949-9. **(P1415)**

4.de Frias Martins, A. & Borges, P.A.V. (2019) Invertebrados da zona húmida da Praia da Vitória. Os paus da Praia da Vitória, terceira: reconstrução de uma memória Açoriana (ed. by B. Morton, E. Nogueira and A. M. de Frias Martins), 160-181. Câmara Municipal da Praia da Vitória, Terceira. ISBN:978-989-97473-1-9. **(P1390)**

5.Elias, R.B., Brito, M., Pimentel, C., Rodrigues, A.F. & **Gabriel, R.** (2019) A vegetação dos paus da Praia da Vitória. Os paus da Praia da Vitória, terceira: reconstrução de uma memória Açoriana (ed. by B. Morton, E. Nogueira and A. M. de Frias Martins), 142-159. Câmara Municipal da Praia da Vitória, Terceira. ISBN:978-989-97473-1-9. **(P1391)**

6.Pinto, D.C.G.A., Seca, A.M.L., Cardoso, S.M. & Silva, A.M.S. (2019) "Seaweed metabolites with benefit effects against cardiovascular diseases". *Seaweed Bioactives: Health Benefits and Potential Applications* (ed. by A. Jaiswal), Nutraceuticals: Basic Research/Clinical Applications Series, CRC Press, Taylor and Francis, London, United Kingdom, Vol 1, chapter 14. ISBN:9781498796989. **(P1332)**

7.Seijmonsbergen, A.C., van den Ancker, J.A.M., Jungerius, P.D. & Norder, S.J. (2019) *Can geodiversity help to save the soil archives?* Reading the soil archives: unravelling the geocological code of palaeosols and sediment cores (ed. by J.M. van Mourik and J.J.M. van der Meer), pp. 275-297. Elsevier. ISBN:9780444641083. **(P1544)**

6.2.3.2-By Associate Research Fellows only (n=2)

- 1.Silva, O., Medeiros, T., Moniz, A.I., Tomás, T., **Vieira, V.**, Furtado, S., Santos, C. & Ferreira, J. (2019) *Turismo sénior no destino Açores: uma abordagem multidimensional*. Livro de resumos do I Congresso Internacional de Turismo Sénior (ed. by T. Medeiros, A.I. Moniz, C. Santos, L. Tomás, O. Silva, S. Furtado, **V. Vieira** & J. Ferreira), pp. 5-6. Letras Lavadas e TuSénior55+, Ponta Delgada. ISBN:978-989-735-231-7. **(P1562)**
- 2.Tomás, L., Medeiros, T., Santos, C., Moniz, A.I., Silva, O., **Vieira, V.**, Furtado, S. & Ferreira, J. (2019) *Turismo sénior pelo olhar de hoteleiros e decisores políticos*. Livro de resumos do I Congresso Internacional de Turismo Sénior (ed. by T. Medeiros, A.I. Moniz, C. Santos, L. Tomás, O. Silva, S. Furtado, **V. Vieira** & J. Ferreira), pp. 10-12. Letras Lavadas e TuSénior55+, Ponta Delgada. ISBN:978-989-735-231-7. **(P1563)**

6.2.4-NATIONAL AND INTERNATIONAL PEER REVIEWED PAPERS (NO IMPACT FACTOR)

6.2.4.1-By at least one integrated member (n=7)

- 1.**Barreiros, J.P.** & Haddad Jr, V. (2019) Occurrence, causes and consequences of predator attacks to humans. *European Journal of Zoological Research*, **7(1)**, 1-7. **(P1384)**
- 2.Bramwel, D., Moura, M., **Neto, A. I.**, Santos-Guerra, A. & Francisco-Ortega, J. (2019) William Trelease and the Macaronesian flora: an introduction to his trips, works and collections. *Vieraea*, **46**, 459-498. **(P1535)**
- 3.**Cecchetti, A.**, Stockin, K.A., Gordon, J. & **Azevedo, J.M.N.** (2019) A first assessment of operator compliance and dolphin behavioural responses during swim-with-dolphin programs for three species of Delphinids in the Azores. *Arquipelago, Life and Marine Sciences*, **36**, 23-37. **(P1576)**
- 4.**Lopes, D.**, Aguiar, A., Dias, A., Bettencourt, M., Fernandes, P. & **Pimentel, R.** (2019) A importância do projeto Pervermac II no uso sustentável de pesticidas em fruticultura e seu impacto na saúde humana na Macaronésia. O caso dos Açores. *Revista de Ciências Agrárias*, **41**, 156-163. DOI:10.19084/rca.17085. **(P1366)**
- 5.**Patarra, R.F.**, Lloveras, A.A., Carreiro, A.S., Abreu, M.H., Buschmann, A.H. & **Neto, A.I.** (2019) Short term effects of irradiance on the growth of *Pterocliadiella capillacea* (Gelidiales, Rhodophyta). *Arquipelago, Life and Marine Sciences*, **36**, 85-94. **(P1536)**

6.Seca, A.M.L. & Pinto, D.C.G.A. (2019) Biological potential and medical use of secondary metabolites. *Medicines*, **6(2)**, 1-6. DOI:10.3390/medicines6020066. **(P1407)**

7.Stüben, P.E. & Borges P.A.V. (2019) Die Curculionoidea (Coleoptera) von den Inseln der Azoren. *Snudebiller*, **20(279)**, 1-59. **(P1376)**

6.2.4.2-By Associate Research Fellows only (n= 1)

1.Peterson, A.T., Anderson, R.P., Cobos, M.E., Cuahutle, M., Cuervo-Robayo, A.P., Escobar, L.E., Fernandez, F. et al. (2019) Curso Modelado de Nicho Ecológico, Version 1.0. *Biodiversity informatics*, **14**, 1-7. DOI:10.17161/bi.v14i0.8189. **(P1377)**

6.2.5-PAPERS ON PROCEEDINGS OF SYMPOSIA

6.2.5.1-By at least one integrated member (n=7)

1.Audrey, A., Grez, A.A., Zaviezo, T., Soares, A.O., Romero, V. & González, C. (2019) Field and laboratory evidence of mechanisms explaining the dominance of *Harmonia axyridis* (Pallas) in alfalfa in Chile. *Proceedings of the fourth meeting "Benefits and Risks of Exotic Biological Control Agents" IOBC-WPRS Bulletin*, **145**, 50-52. ISBN:978-92-9067-330-9. **(P1402)**

2.Gil, A. (2019) Using remote sensing for monitoring land use/land cover status and changes in S. Miguel island (Azores, Portugal). Abstract Book from LIFE+ Lands of Priolo International Conference. Sociedade Portuguesa para o Estudo das Aves, Lisboa. pp. 27. DOI:10.13140/RG.2.2.31943.24488. **(P1408)**

3.Lopes, D.H. (2019) Strategy for the development of organic agriculture in the Azores Autonomous Region. *Proceedings of the fourth meeting "Benefits and Risks of Exotic Biological Control Agents" IOBC-WPRS Bulletin*, **145**, 23-29. ISBN:978-92-9067-330-9. **(P1400)**

4.Nedvěd, O., Muhammad, A., Abdolahi, R., Sakaki, S. & Soares, A.O. (2019) Age and temperature effects on accumulation of carotenoids in ladybirds. *Proceedings of the fourth meeting "Benefits and Risks of Exotic Biological Control Agents" IOBC-WPRS Bulletin*, **145**, 33-36. ISBN:978-92-9067-330-9. **(P1401)**

5.Meseguer, R., Borges, I., Vieira, V., Pons, G. & Soares, A.O. (2019) Ecosystem services provided by the native predator *Scymnus nubilus* Mulsant (Coleoptera: Coccinellidae)

against aphids on forestry nurseries. *Proceedings of the fourth meeting “Benefits and Risks of Exotic Biological Control Agents” IOBC-WPRS Bulletin*, **145**, 62-63. ISBN:978-92-9067-330-9. **(P1403)**

6.Roy, H.E., Skuhrovec, J., Adriaens, T., Brown, P.M.J., Honěk, A., Inghilesi, A.F., Kazlauskis, K., Nedvěd, O., Rondoni, G., Roy, D.B., **Soares, A.O.** & Viglasova, S. (2019) Collaborating to map ladybirds across Europe. *Proceedings of the fourth meeting “Benefits and Risks of Exotic Biological Control Agents” IOBC-WPRS Bulletin*, **145**, 67-68. ISBN:978-92-9067-330-9. **(P1404)**

7.Silva, E., Marta-Costa, A., Sardinha, S. & **Gabriel, R.** (2019) Speed dating in science (SDS): an innovative decision-making process to foster public debate in agriculture. *WDSI 2019 Annual Meeting*. Western Decision Science Institute. Ruby Princess, Los Angeles, CA, Los Angeles, Califórnia, Estados Unidos da América. **(P1413)**

6.2.5.2-By Associate Research Fellows only (n= 1)

1.Medeiros, T., Silva, O., Furtado, S., Moniz, A., **Vieira, V.** & Tomás, L. (2019) Health Perception, Travel Concerns, and Senior Tourist Satisfaction. *Proceedings of ICOTTS 2019. Advances in Tourism, Technology and Smart Systems*. Smart Innovation, Systems and Technologies, Springer, Singapore, 171, 405-414. **(P1564)**

6.2.6-EDUCATION AND OUTREACH PUBLICATIONS

6.2.6.1-By at least one integrated member (n=9)

1.Amorim, I.R., Pereira, F. & **Borges, P.A.V.** (2019) Aranha-cavernícola-do-Algar-do-Carvão *Turyrnia cavernicola*. *Pingo de Lava*, **43**, 40-41. **(P1541)**

2.Barreiros, J. P. (2019) Os campos termais no oceano profundo: produção primária sem fotossíntese. *Atlântida, Revista de Cultura*, **64**, 409-414. **(P1533)**

3.Barreiros, J.P. (2019) Mergulho turístico e recreativo. *Loving the Blu - Azores Tourism Magazine*, **6-7**. 1 de dezembro de 2019. **(P1557)**

4.Barreto, M.C. (2019) Microbioma do solo e agricultura sustentável. *UAciência, Açores Magazine*, 28-29. Fevereiro. **(P1360)**

- 5.Boieiro, M., Rego, C. & Borges, P.A.V.** (2019) Pequenos, discretos, ... mas muito importantes! Os insetos herbívoros da floresta nativa dos Açores. *Pingo de Lava*, **43**, 35-36. **(P1542)**
- 6.Malumbres-Olarte, J., Amorim, I.R., Wallon, S. & Arroz, A.M.** (2019) Cientista por um dia! Bioblitz na Terceira. *Pingo de Lava*, **43**, 75-78. **(P1545)**
- 7.Penado, A., Costa, R., Rego, C. & Boieiro, M.** (2019) À descoberta dos polinizadores do arquipélago da Madeira. *Pingo de Lava*, **43**, 37-39. **(P1546)**
- 8.Polaino Martín, C., Gabriel, R., Jennings, L., Amorim, I.R., Henar-Sánchez, M., Ros-Prieto, A., Peroni, C., Dias, E., Borges, P.A.V. & Pereira, F.** (2019) Crescendo na obscuridade: Briófitos da Ilha Terceira em ambientes cavernícolas. *Pingo de Lava*, **43**, 48-58. **(P1543)**
- 9.Seca, A.M.L.** (2019) 2019 é o Ano Internacional da Tabela Periódica dos Elementos Químicos. *UAciência, Açores Magazine*, 15 dezembro. **(P1568)**

6.2.7-THECNICAL REPORTS

6.2.7.1-By at least one integrated member (n=2)

- 1.Guerreiro, O. & Borges, P.A.V.** (2019) Monitorização e deteção da térmita de madeira seca dos Açores – Ano de 2018 & Levantamento de casos nas ilhas de S. Maria, Pico e S. Jorge para plano estratégico de controle e erradicação. Universidade dos Açores, Dep. de Ciências e Engenharia do Ambiente, Angra do Heroísmo, 50 pp. **(P1356)**
- 2.Wilkins, V. & Borges, P.A.V.** (2019) 2018 report of the IUCN SSC Mid-Atlantic Island Invertebrate Specialist Group. IUCN-SSC. Reports. **(P1556)**

6.2.8-BOOK REVIEWS

6.2.8.1-By at least one integrated member (n=1)

- 1.Borges, P.A.V.** (2019) Review of the book (Conservation of Island Biota, Species Conservation. Lessons from Islands by J.A. Copsey, S.A. Black, J.J. Groombridge and C.G. Jones). *Conservation Biology*, **33(3)**, 738-739. DOI:10.1111/cobi.13286. ISBN:978-0-521-72819-5. **(P1372)**

6.2.9-OTHER TYPE OF PUBLICATIONS

6.2.9.1-By at least one integrated member (n=107)

1. **Azevedo, J. & Barreiros, J.P.** (2019) Azores cetaceans updated checklist. Version 1.1. Universidade dos Açores. Dataset/Checklist. <https://doi.org/10.15468/dmrkx9>. **(P1531)**
2. **Barreiros, J. P. & Azevedo, J.** (2019) Azores chondrichthyes updated checklist. Universidade dos Açores. Dataset/Checklist. <https://doi.org/10.15468/dfqxwo> accessed via GBIF.org on 2019-10-12. **(P1530)**
3. **Barreiros, J.P. & Azevedo, J.M.N.** (2019) Azores actinopterygii updated checklist. v1.0. Universidade dos Açores. Dataset/Checklist. http://ipt.gbif.pt/ipt/resource?r=actinopterygii_azores_checklist_vs1_2019&v=1.0 **(P1414)**
4. **Gabriel, R. & Sim-Sim, M.** (2019) *Grimmia hartmanii*. The IUCN Red List of Threatened Species 2019: e.T85842733A87713600. **(P1462)**
5. **Gabriel, R. & Sim-Sim, M.** (2019) *Heterocladium flaccidum*. The IUCN Red List of Threatened Species 2019: e.T87468089A87715633. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T87468089A87715633.en>. **(P1449)**
6. **Gabriel, R. & Sim-Sim, M.** (2019) *Heterocladium heteropterum*. The IUCN Red List of Threatened Species 2019: e.T87468093A87715639. **(P1450)**
7. **Gabriel, R. & Sim-Sim, M.** (2019) *Hygroamblystegium fluviatile*. The IUCN Red List of Threatened Species 2019: e.T86200021A87712525. **(P1451)**
8. **Gabriel, R. & Sim-Sim, M.** (2019) *Microcampylopus laevigatus*. The IUCN Red List of Threatened Species 2019: e.T84372379A87714561. **(P1436)**
9. **Gabriel, R. & Sim-Sim, M.** (2019) *Philonotis uncinata*. The IUCN Red List of Threatened Species 2019: e.T83660126A87712580. **(P1447)**
10. **Gabriel, R. & Sim-Sim, M.** (2019) *Rhynchostegiella bourgaeana*. The IUCN Red List of Threatened Species 2019: e.T86212254A87712611. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T86212254A87712611.en>. **(P1438)**
11. **Gabriel, R. & Sim-Sim, M.** (2019) *Rhynchostegiella trichophylla*. The IUCN Red List of Threatened Species 2019: e.T86212381A87712634. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T86212381A87712634.en>. **(P1439)**

- 12.Gabriel, R. & Sim-Sim, M. (2019) *Sphagnum nitidulum*. The IUCN Red List of Threatened Species 2019: e.T87567839A87716016. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T87567839A87716016.en>. (P1440)**
- 13.Gabriel, R. & Sim-Sim, M. (2019) *Sphagnum recurvum*. The IUCN Red List of Threatened Species 2019: e.T168612A87716022. (P1441)**
- 14.Gabriel, R. & Sim-Sim, M. (2019) *SplachnoGabriel, R.m obtusum*. The IUCN Red List of Threatened Species 2019: e.T87580633A87716351. (P1442)**
- 15.Gabriel, R. & Sim-Sim, M. (2019) *Syzygiella rubricaulis*. The IUCN Red List of Threatened Species 2019: e.T87469883A87714076. (P1443)**
- 16.Gabriel, R. & Sim-Sim, M. (2019) *Grimmia incurva*. The IUCN Red List of Threatened Species 2019: e.T85842744A87713653. (P1463)**
- 17.Gabriel, R. & Sim-Sim, M. (2019) *Hygroamblystegium humile*. The IUCN Red List of Threatened Species 2019: e.T88279087A88382564. (P1452)**
- 18.Gabriel, R. & Sim-Sim, M. (2019) *Hygroamblystegium tenax*. The IUCN Red List of Threatened Species 2019: e.T86200076A87712530. (P1453)**
- 19.Gabriel, R. & Sim-Sim, M. (2019) *Hygroamblystegium varium*. The IUCN Red List of Threatened Species 2019: e.T86200081A87712535. (P1454)**
- 20.Gabriel, R. & Sim-Sim, M. (2019) *Leptodictyum riparium*. The IUCN Red List of Threatened Species 2019: e.T86200251A87712543. (P1459)**
- 21.Gabriel, R. & Sim-Sim, M. (2019) *LeptoGabriel, R.m pyriforme*. The IUCN Red List of Threatened Species 2019: e.T87569722A87714746. (P1458)**
- 22.Gabriel, R. & Sim-Sim, M. (2019) *Leptoscyphus cuneifolius*. The IUCN Red List of Threatened Species 2019: e.T87519353A87714662. (P1465)**
- 23.Gabriel, R. & Sim-Sim, M. (2019) *Lophocolea bidentata*. The IUCN Red List of Threatened Species 2019: e.T87519379A87714673. (P1466)**
- 24.Gabriel, R. & Sim-Sim, M. (2019) *Lophocolea coadunata*. The IUCN Red List of Threatened Species 2019: e.T87519436A87714683. (P1467)**

- 25. Gabriel, R. & Sim-Sim, M. (2019) *Lophocolea fragrans*. The IUCN Red List of Threatened Species 2019: e.T87519447A87714688. (P1468)**
- 26. Gabriel, R. & Sim-Sim, M. (2019) *Lophocolea heterophylla*. The IUCN Red List of Threatened Species 2019: e.T88279435A88382588. (P1469)**
- 27. Gabriel, R. & Sim-Sim, M. (2019) *Telaranea azorica*. The IUCN Red List of Threatened Species 2019: e.T87574551A87714470. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T87574551A87714470.en>. (P1444)**
- 28. Gabriel, R. & Sim-Sim, M. 2019. *Grimmia elongata*. The IUCN Red List of Threatened Species 2019: e.T85842721A87713546. (P1461)**
- 29. Gabriel, R. (2019) *Campylopus flaccidus*. The IUCN Red List of Threatened Species 2019: e.T84829782A87714522. (P1433)**
- 30. Gabriel, R. (2019) *Hyocomium armoricum*. The IUCN Red List of Threatened Species 2019: e.T87461283A87713949. (P1456)**
- 31. Gabriel, R. (2019) *Pseudotaxiphyllum laetevirens*. The IUCN Red List of Threatened Species 2019: e.T87464517A87714065. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T87464517A87714065.en>. (P1437)**
- 32. Gabriel, R. (2019) *ThamnoGabriel, R.m rudolphianum*. The IUCN Red List of Threatened Species 2019: e.T87467918A87715189. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T87467918A87715189.en>. (P1445)**
- 33. Gabriel, R. (2019) *Trematodon perssoniorum*. The IUCN Red List of Threatened Species 2019: e.T84535274A87712651. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T84535274A87712651.en>. (P1446)**
- 34. Gabriel, R. (2019) *Fuscocephaloziopsis crassifolia*. The IUCN Red List of Threatened Species 2019: e.T87491572A87712696. (P1434)**
- 35. Gabriel, R. (2019) *Hookeria lucens*. The IUCN Red List of Threatened Species 2019: e.T84375128A87713939. (P1464)**
- 36. Gabriel, R. (2019) *Hylocomium splendens*. The IUCN Red List of Threatened Species 2019: e.T86500581A87713944. (P1455)**

- 37.Gabriel, R.** (2019) *Isothecium alopecuroides*. The IUCN Red List of Threatened Species 2019: e.T84515064A87714341. **(P1457)**
- 38.Gabriel, R.** (2019) *Microeurhynchium pumilum*. The IUCN Red List of Threatened Species 2019: e.T88279846A88382596. **(P1460)**
- 39.Gabriel, R. & Sim-Sim, M.** (2019) *Herbertus azoricus*. The IUCN Red List of Threatened Species 2019: e.T137660982A129934253. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T137660982A129934253.en>. **(P1476)**
- 40.Gabriel, R. , Sim-Sim, M. & González Mancebo, J.** (2019) *Daltonia stenophylla*. The IUCN Red List of Threatened Species 2019: e.T84375041A87712711. **(P1448)**
- 41.Gabriel, R. , Sim-Sim, M., Hodgetts, N. & Martins, A.** (2019) *Acrobolbus azoricus*. The IUCN Red List of Threatened Species 2019: e.T78582601A85306676. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T78582601A85306676.en>. **(P1423)**
- 42.Gabriel, R. , Sim-Sim, M., Hodgetts, N. & Martins, A.** (2019) *Alophosia azorica*. The IUCN Red List of Threatened Species 2019: e.T78591809A87715338. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T78591809A87715338.en>. **(P1424)**
- 43.Gabriel, R. , Sim-Sim, M., Hodgetts, N. & Martins, A.** (2019) *Bazzania azorica*. The IUCN Red List of Threatened Species 2019: e.T87498027A87714449. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T87498027A87714449.en>. **(P1418)**
- 44.Gabriel, R. , Sim-Sim, M., Hodgetts, N. & Martins, A.** (2019) *Breutelia azorica*. The IUCN Red List of Threatened Species 2019: e.T83659918A87712556. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T83659918A87712556.en>. **(P1419)**
- 45.Gabriel, R. , Sim-Sim, M., Hodgetts, N. & Martins, A.** (2019) *Calypogeia azorica*. The IUCN Red List of Threatened Species 2019: e.T87491438A87712686. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T87491438A87712686.en>. **(P1420)**
- 46.Gabriel, R. , Sim-Sim, M., Hodgetts, N. & Martins, A.** (2019) *Cheilolejeunea cedercreutzii*. The IUCN Red List of Threatened Species 2019: e.T39231A87714081. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T39231A87714081.en>. **(P1421)**
- 47.Gabriel, R. , Sim-Sim, M., Hodgetts, N. & Martins, A.** (2019) *Cololejeunea azorica*. The IUCN Red List of Threatened Species 2019: e.T39239A87714152. **(P1425)**

- 48. Gabriel, R.** , Sim-Sim, M., Hodgetts, N. & Martins, A. (2019) *Echinodium renauldii*. The IUCN Red List of Threatened Species 2019: e.T39167A87712737. **(P1426)**
- 49. Gabriel, R.** , Sim-Sim, M., Hodgetts, N. & Martins, A. (2019) *Fissidens azoricus*. The IUCN Red List of Threatened Species 2019: e.T84767995A87713116. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T84767995A87713116.en>. **(P1427)**
- 50. Gabriel, R.** , Sim-Sim, M., Hodgetts, N. & Martins, A. (2019) *Lepidozia stuhlmannii*. The IUCN Red List of Threatened Species 2019: e.T87519176A87714465. **(P1428)**
- 51. Gabriel, R.** , Sim-Sim, M., Hodgetts, N. & Martins, A. (2019) *Leptoscyphus porphyrius*. The IUCN Red List of Threatened Species 2019: e.T87519374A87714667. **(P1429)**
- 52. Gabriel, R.** , Sim-Sim, M., Hodgetts, N. & Martins, A. (2019) *Mnioloma fuscum*. The IUCN Red List of Threatened Species 2019: e.T87491509A87712691. **(P1430)**
- 53. Gabriel, R.** , Sim-Sim, M., Hodgetts, N. & Martins, A. (2019) *Plagiochila longispina*. The IUCN Red List of Threatened Species 2019: e.T87521943A87715298. **(P1431)**
- 54. Gabriel, R.** , Sim-Sim, M., Hodgetts, N. & Martins, A. (2019) *Plagiochila papillifolia*. The IUCN Red List of Threatened Species 2019: e.T87522101A87715311. **(P1432)**
- 55. Gabriel, R.** , Sim-Sim, M., Hodgetts, N. & Martins, A. (2019) *Bryoxiphium norvegicum*. The IUCN Red List of Threatened Species 2019: e.T84329265A87712681. **(P1435)**
- 56. González Mancebo, J., Sim-Sim, M., Gabriel, R., Garcia, C., Garilleti, R., Infante, M., Porley, R.D. & Sergio, C.** (2019) *Bryum apiculatum*. The IUCN Red List of Threatened Species 2019: e.T83662168A87712666. **(P1477)**
- 57. González Mancebo, J., Sim-Sim, M., Gabriel, R., Garcia, C., Garilleti, R., Infante, M., Porley, R.D. & Sergio, C.** (2019) *Tetrastichium fontanum*. The IUCN Red List of Threatened Species 2019: e.T84374816A87714609. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T84374816A87714609.en>. **(P1478)**
- 58. González Mancebo, J., Sim-Sim, M., Gabriel, R., Hodgetts, N. & Martins, A.** (2019) *Fissidens coacervatus*. The IUCN Red List of Threatened Species 2019: e.T84768123A87713248. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T84768123A87713248.en> **(P1479)**

59. González Mancebo, J., Sim-Sim, M., **Gabriel, R.**, Hodgetts, N. & Martins, A. (2019) *Grimmia curviseta*. The IUCN Red List of Threatened Species 2019: e.T85842479A87713514. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T85842479A87713514.en> **(P1480)**
60. González Mancebo, J., Sim-Sim, M., **Gabriel, R.**, Hodgetts, N. & Martins, A. (2019) *Andoa berthelotiana*. The IUCN Red List of Threatened Species 2019: e.T84711905A87713954. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T84711905A87713954.en>. **(P1481)**
61. González Mancebo, J., Sim-Sim, M., **Gabriel, R.**, Hodgetts, N. & Martins, A. (2019) *Acanthocoleus aberrans*. The IUCN Red List of Threatened Species 2019: e.T78582535A85649359. **(P1482)**
62. González Mancebo, J., Sim-Sim, M., **Gabriel, R.**, Hodgetts, N. & Martins, A. (2019) *Cololejeunea sintenisii*. The IUCN Red List of Threatened Species 2019: e.T88150678A88382508. **(P1483)**
63. González Mancebo, J., Sim-Sim, M., **Gabriel, R.**, Hodgetts, N. & Martins, A. (2019) *Lejeunea canariensis*. The IUCN Red List of Threatened Species 2019: e.T87543356A87714232. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T87543356A87714232.en>. **(P1484)**
64. González Mancebo, J., Sim-Sim, M., **Gabriel, R.**, Hodgetts, N. & Martins, A. (2019) *Leucodon canariensis*. The IUCN Red List of Threatened Species 2019: e.T87466065A87714566. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T87466065A87714566.en>. **(P1485)**
65. González Mancebo, J., Sim-Sim, M., **Gabriel, R.**, Hodgetts, N. & Martins, A. (2019) *Leucodon treleasei*. The IUCN Red List of Threatened Species 2019: e.T87466129A87714580. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T87466129A87714580.en>. **(P1486)**
66. González Mancebo, J., Sim-Sim, M., **Gabriel, R.**, Hodgetts, N. & Martins, A. (2019) *Tetrastichium virens*. The IUCN Red List of Threatened Species 2019: e.T84374835A87714621. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T84374835A87714621.n>. **(P1487)**

67. González Mancebo, J., Sim-Sim, M., **Gabriel, R.**, Hodgetts, N. & Martins, A. (2019) *Heteroscyphus denticulatus*. The IUCN Red List of Threatened Species 2019: e.T87519296A87714645. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T87519296A87714645.en>. **(P1488)**
68. González Mancebo, J., Sim-Sim, M., **Gabriel, R.**, Hodgetts, N. & Martins, A. (2019) *Orthotrichum handiense*. The IUCN Red List of Threatened Species 2019: e.T87539260A87715258. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T87539260A87715258.en>. **(P1489)**
69. González Mancebo, J., Sim-Sim, M., **Gabriel, R.**, Hodgetts, N. & Martins, A. (2019) *Aloina humilis*. The IUCN Red List of Threatened Species 2019: e.T84534733A87715364. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T84534733A87715364.en>. **(P1490)**
70. González Mancebo, J., Sim-Sim, M., **Gabriel, R.**, Hodgetts, N. & Martins, A. (2019) *Tortella limbata*. The IUCN Red List of Threatened Species 2019: e.T87563457A87715541. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T87563457A87715541.en>. **(P1491)**
71. González Mancebo, J., Sim-Sim, M., **Gabriel, R.**, Hodgetts, N. & Martins, A. (2019) *Tortula ampliretis*. The IUCN Red List of Threatened Species 2019: e.T87564071A87715546. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T87564071A87715546.en>. **(P1492)**
72. González Mancebo, J., Sim-Sim, M., **Gabriel, R.**, Hodgetts, N. & Martins, A. (2019) *Tortula bogosica*. The IUCN Red List of Threatened Species 2019: e.T87564085A87715551. **(P1493)**
73. González Mancebo, J., Sim-Sim, M., **Gabriel, R.**, Hodgetts, N. & Martins, A. (2019) *Riella affinis*. The IUCN Red List of Threatened Species 2019: e.T84516246A87715976. **(P1494)**
74. Goulart, S., **Barreiros, J.P.**, Brito, M.R., Santos, S., Pimentel, C., Nogueira, E.C. & **Borges, P.A .V.** (2019) Birds from Praia da Vitória marshes (Terceira, Azores, Portugal). v1.3. Universidade dos Açores. Dataset/Samplingevent. http://ipt.gbif.pt/ipt/resource?r=azores_birds&v=1.3 **(P1529)**
75. Paiva, L., Lima, E., **Neto, A.I.** & Baptista, J. (2019) Angiotensin I-Converting Enzyme (ACE) Inhibitory Activity, Antioxidant Properties, Phenolic Content and Amino Acid Profiles

of *Fucus spiralis* L. Protein Hydrolysate Fractions. *Top 5 Contributions in Marine-Derived Pharmaceutical*. pp. 2-38. Avid Science Publisher. ISBN:978-93-88170-36-9. **(P1370)**

- 76.** Sim-Sim, M., **Gabriel, R.**, Hodgetts, N. & Martins, A. (2019) *Acrobolbus madeirensis*. The IUCN Red List of Threatened Species 2019: e.T78591115A86025867. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T78591115A86025867.en>. **(P1495)**
- 77.** Sim-Sim, M., **Gabriel, R.**, Hodgetts, N. & Martins, A. (2019) *Amphidium curvipes*. The IUCN Red List of Threatened Species 2019: e.T112508337A87715815. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T112508337A87715815.en>. **(P1496)**
- 78.** Sim-Sim, M., **Gabriel, R.**, Hodgetts, N. & Martins, A. (2019) *Andreaea flexuosa*. The IUCN Red List of Threatened Species 2019: e.T83659792A87712551. **(P1497)**
- 79.** Sim-Sim, M., **Gabriel, R.**, Hodgetts, N. & Martins, A. (2019) *Brachymenium notarisi*. The IUCN Red List of Threatened Species 2019: e.T83660179A87712656. **(P1498)**
- 80.** Sim-Sim, M., **Gabriel, R.**, Hodgetts, N. & Martins, A. (2019) *Brachymenium philonotula*. The IUCN Red List of Threatened Species 2019: e.T83660210A87712661. **(P1499)**
- 81.** Sim-Sim, M., **Gabriel, R.**, Hodgetts, N. & Martins, A. (2019) *Bryoerythrophyllum campylocarpum*. The IUCN Red List of Threatened Species 2019: e.T85839356A87715427. **(P1500)**
- 82.** Sim-Sim, M., **Gabriel, R.**, Hodgetts, N. & Martins, A. (2019) *Bryoxiphium madeirense*. The IUCN Red List of Threatened Species 2019: e.T39160A87712937. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T39160A87712937.en>. **(P1501)**
- 83.** Sim-Sim, M., **Gabriel, R.**, Hodgetts, N. & Martins, A. (2019) *Cololejeunea schaeferi*. The IUCN Red List of Threatened Species 2019: e.T87543255A87714221. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T87543255A87714221.en>. **(P1502)**
- 84.** Sim-Sim, M., **Gabriel, R.**, Hodgetts, N. & Martins, A. (2019) *Ditrichum punctulatum*. The IUCN Red List of Threatened Species 2019: e.T84765694A87712721. **(P1503)**
- 85.** Sim-Sim, M., **Gabriel, R.**, Hodgetts, N., Martins, A. & Bergamini, A. (2019) *Cephaloziella granatensis*. The IUCN Red List of Threatened Species 2019: e.T87492712A87712706. **(P1504)**

86. Sim-Sim, M., **Gabriel, R.**, Hodgetts, N., Martins, A. & Bergamini, A. (2019) *Campylopus cygneus*. The IUCN Red List of Threatened Species 2019: e.T84829778A87714517. **(P1505)**
87. Sim-Sim, M., **Gabriel, R.**, Hodgetts, N., Martins, A. & Bergamini, A. (2019) *Campylopus incrassatus*. The IUCN Red List of Threatened Species 2019: e.T84829798A87714528. **(P1506)**
88. Sim-Sim, M., Hodgetts, N., Martins, A. & **Gabriel, R.** (2019) *Rhynchostegiella azorica*. The IUCN Red List of Threatened Species 2019: e.T84551148A87712606. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T84551148A87712606.en>. **(P1422)**
89. Sim-Sim, M., Hodgetts, N., Martins, A. & **Gabriel, R.** (2019) *Fissidens asplenioides*. The IUCN Red List of Threatened Species 2019: e.T84767987A87713108. **(P1507)**
90. Sim-Sim, M., Hodgetts, N., Martins, A. & **Gabriel, R.** (2019) *Fissidens microstictus*. The IUCN Red List of Threatened Species 2019: e.T84768245A87713260. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T84768245A87713260.en>. **(P1508)**
91. Sim-Sim, M., Hodgetts, N., Martins, A. & **Gabriel, R.** (2019) *Frullania sergiae*. The IUCN Red List of Threatened Species 2019: e.T175046A87713393. **(P1509)**
92. Sim-Sim, M., Hodgetts, N., Martins, A. & **Gabriel, R.** (2019) *Hedenasiastrum percurrens*. The IUCN Red List of Threatened Species 2019: e.T86200861A87712591. **(P1524)**
93. Sim-Sim, M., Hodgetts, N., Martins, A. & **Gabriel, R.** (2019) *Homalothecium mandonii*. The IUCN Red List of Threatened Species 2019: e.T85624112A87712596. **(P1510)**
94. Sim-Sim, M., Hodgetts, N., Martins, A. & **Gabriel, R.** (2019) *Neckera cephalonica*. The IUCN Red List of Threatened Species 2019: e.T87467381A87714941. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T87467381A87714941.en>. **(P1511)**
95. Sim-Sim, M., Hodgetts, N., Martins, A. & **Gabriel, R.** (2019) *Nobregaea latinervis*. The IUCN Red List of Threatened Species 2019: e.T86200874A87712601. **(P1512)**
96. Sim-Sim, M., Hodgetts, N., Martins, A. & **Gabriel, R.** (2019) *Philonotis hastata*. The IUCN Red List of Threatened Species 2019: e.T83660091A87712562. **(P1513)**
97. Sim-Sim, M., Hodgetts, N., Martins, A. & **Gabriel, R.** (2019) *Plagiochila retrorsa*. The IUCN Red List of Threatened Species 2019: e.T87522223A87715316. **(P1514)**

98. Sim-Sim, M., Hodgetts, N., Martins, A. & **Gabriel, R.** (2019) *Plagiochila virginica*. The IUCN Red List of Threatened Species 2019: e.T87522367A87715327. **(P1515)**
99. Sim-Sim, M., Hodgetts, N., Martins, A. & **Gabriel, R.** (2019) *Plagiochila stricta*. The IUCN Red List of Threatened Species 2019: e.T87522363A87715321. **(P1525)**
100. Sim-Sim, M., Hodgetts, N., Martins, A. & **Gabriel, R.** (2019) *Radula nudicaulis*. The IUCN Red List of Threatened Species 2019: e.T87544385A87715805. **(P1516)**
101. Sim-Sim, M., Hodgetts, N., Martins, A. & **Gabriel, R.** (2019) *Radula wichurae*. The IUCN Red List of Threatened Species 2019: e.T87544393A87715810. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T87544393A87715810.en>. **(P1517)**
102. Sim-Sim, M., Hodgetts, N., Martins, A. & **Gabriel, R.** (2019) *Rhynchostegiella azorica*. The IUCN Red List of Threatened Species 2019: e.T84551148A87712606. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T84551148A87712606.en>. **(P1518)**
103. Sim-Sim, M., Hodgetts, N., Martins, A. & **Gabriel, R.** (2019) *Riccia atlantica*. The IUCN Red List of Threatened Species 2019: e.T39241A87715897. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T39241A87715897.en>. **(P1519)**
104. Sim-Sim, M., Hodgetts, N., Martins, A. & **Gabriel, R.** (2019) *Solenostoma callithrix*. The IUCN Red List of Threatened Species 2019: e.T87530387A87715987. **(P1520)**
105. Sim-Sim, M., Hodgetts, N., Martins, A. & **Gabriel, R.** (2019) *Syntrichia bogotensis*. The IUCN Red List of Threatened Species 2019: e.T87562770A87715536. **(P1521)**
106. Sim-Sim, M., Hodgetts, N., Martins, A. & **Gabriel, R.** (2019) *Thamnobryum fernandesii*. The IUCN Red List of Threatened Species 2019: e.T39190A87715024. <http://dx.doi.org/10.2305/IUCN.UK.2019-2.RLTS.T39190A87715024.en>. **(P1522)**
107. Sim-Sim, M., Hodgetts, N., Martins, A. & **Gabriel, R.** (2019) *Thuidiopsis sparsa*. The IUCN Red List of Threatened Species 2019: e.T87469685A87716356. **(P1523)**

6.3-SCIENTIFIC MEETINGS PARTICIPTION

In Table 7 it is possible to see some data on the 38 national and internacional scientific meetings attended by the members of the Azorean Biodiversity Group.

Table 7 Scientific meetings participation from some ABG members during the year of 2019.

Name of the Meeting	Local	Date	Type of presentation	Title of presentation	Authors of the presentation
10th Biennial Conference of the International Biogeography Society	Malaga, Spain	8-12 January	Poster	From forest to driest: the multi-scale role of habitat heterogeneity in shaping spider communities on oceanic islands	Malumbres-Olarte, J., Rigal, F. Giraldeño, M., Cardoso, P., Crespo, L., Amorim, I.R., Arnedo, M., Boieiro, M., Carvalho, J.C., Carvalho, R., Gabriel, R., Lamelas-Lopez, L., López, H., Octávio, P., Pereira, F., Pérez-Delgado, A., Rego, C., Romeiras, M., Ros-Prieto, A., Oromí, P., Emerson, P. & Borges, P.A.V.
11º Encontro Nacional de Cromatografia	Costa da Caparica, Portugal	9-11 December	Poster	The chemical profile of <i>Lobophora variegata</i> chloroform extract by GC-MS.	Rosa, G.P., Pagès, A.K., Costa, A., Silva, A.M.S. & Seca, A.M.L.
15º Congresso da Federação Europeia de Ecologia	Lisbon, Portugal	29 July - 2 August	Oral	Azorean bryophytes: importance, threats and their IUCN conservation status	Gabriel, R., Sérgio, C. & Sim-Sim, M.
15º Congresso da Federação Europeia de Ecologia	Lisbon, Portugal	29 July - 2 August	Oral	Drivers of Butterfly and Dragonfly Community Change Along Elevational Gradients in a Mountainous Area	Ceia-Hasse, A., Boieiro, M., Soares, A., Antunes, A., Figueiredo, H., Rego, C., Borges, P.A.V. & Serrano, A.R.M.
15º Congresso da Federação Europeia de Ecologia	Lisbon, Portugal	29 July - 2 August	Oral	Evaluating Impacts of Recreational Trails in the Azorean Native Forests	Carvalho, R., Cardoso, P., Gil, A. & Borges, P.A.V.
15º Congresso da Federação Europeia de Ecologia	Lisbon, Portugal	29 July - 2 August	Oral	Extreme Value Theory as a Tool to Study Biodiversity Patterns	Borda-de-Água, L., Alirezazadeh, S., Neves, M., Hubbell, S.P., Borges, P.A.V., Cardoso, P., Dionísio, F. & Pereira, H.M.
15º Congresso da Federação Europeia de Ecologia	Lisbon, Portugal	29 July - 2 August	Oral	Global Island Monitoring Scheme (GIMS): a proposal for the long-term coordinated survey and monitoring of native island forest bryophytes	Gabriel, R., Ah-Peng, C., Aleffi, M., Calvo-Aranda, S., Coelho, M.C.M., Henriques, D., Hernández-Hernández, R., Hespanhol, H., Patiño, J., Poponessi, S., Gonzalez Mancebo, J.M., Sim-Sim, M., Sérgio, C., Vanderporten, A., Cardoso, P. & Borges, P.A.V.
15º Congresso da Federação Europeia de Ecologia	Lisbon, Portugal	29 July - 2 August	Oral	Global Island Monitoring Scheme (Gims): a Proposal for the Long-Term Coordinated Survey And Monitoring of	Borges, P.A.V.

Name of the Meeting	Local	Date	Type of presentation	Title of presentation	Authors of the presentation
				Native Island Forest Spiders	
1st Iberian Congress of Ecology	Barcelona, Spain	4-7 February	Oral	How climate change can drive ant functional structure and diversity	Wendt, C.F., Verble-Pearson, R., Aleixo, C.A., Nunes, A., Boieiro, M. & Branquinho, C.
1st Iberian Congress of Ecology	Barcelona, Spain	4-7 February	Poster	The impact of introduced species on pollination networks from well-preserved and disturbed native forest areas of Terceira island (Azores)	Boieiro, M., Ferreira, M., Santos, R., Pereira, F., Borges, P.A.V. & Rego, C.
1st Meeting of the Iberian Ecological Society & XIV AEET Meeting	Barcelona, Spain	4-7 February	Oral	Dispersal ability shapes the strength of diversity-environment relationships in spider communities on oceanic islands	Malumbres-Olarte, J., Rigal, F. Giraldeño, M., Cardoso, P., Crespo, L., Amorim, I.R., Arnedo, M., Boieiro, M., Carvalho, J.C., Carvalho, R., Gabriel, R., Lamelas-Lopez, L., López, H., Octávio, P., Pereira, F., Pérez-Delgado, A., Rego, C., Romeiras, M., Ros-Prieto, A., Oromí, P., Emerson, P. & Borges, P.A.V.
1st Meeting of the Iberian Ecological Society & XIV AEET Meeting	Barcelona, Spain	4-7 February	Oral	Green and blue infrastructure and farmland biodiversity: Optimizing CAP greening as a conservation tool	Concepcion, E.D., Aneva, I., Lukanov, S., Moreno, G., Oppermann, R., Pardo, A., Rolo, V., Schraml, A., Ullrich, B. & Diaz, M.
1st UMass Lowell – Portugal Conference	TERINOV, Terceira Island, Portugal	13 June	Oral	Using Earth Observation data for cost-effective monitoring of small islands' land cover/land use	Gil, A.
21st International Congress of Arachnology	Lincoln, New Zealand	10-15 February	Oral	Multi-scale effects of habitat heterogeneity on spider communities of oceanic islands	Malumbres-Olarte, J., Rigal, F. Giraldeño, M., Cardoso, P., Crespo, L., Amorim, I.R., Arnedo, M., Boieiro, M., Carvalho, J.C., Carvalho, R., Gabriel, R., Lamelas-Lopez, L., López, H., Octávio, P., Pereira, F., Pérez-Delgado, A., Rego, C., Romeiras, M., Ros-Prieto, A., Oromí, P., Emerson, P. & Borges, P.A.V.
24th World Congress Dermatology	Milan, Italy	10-15 June	Poster	Dermatological Manifestations Caused by Venomous Fish From Europe (Open Atlantic Ocean and Mediterranean Coasts)	Haddad Jr, V. & Barreiros, J.P.

Name of the Meeting	Local	Date	Type of presentation	Title of presentation	Authors of the presentation
2nd Molecules Medicinal Chemistry Symposium: Facing novel challenges in drug discovery	Barcelona, Spain	15-17 May	Poster	Searching for molecules against cancer in the Azores: plants, macroalgae and synthetic compounds	Barreto, M.C., Gouveia, V.L., Rosa, G.P. & Seca, A.M.L.
2º Colóquio do CIS.NOVA	Ponta Delgada, Portugal	30-31 October	Oral	Perfil dos Turistas seniores no destino Açores	Silva, O., Medeiros, T., Moniz, A.I., Tomás, L., Furtado, S. & Vieira, V.
2º Colóquio do CIS.NOVA	Ponta Delgada, Portugal	30-31 October	Oral	Turismo sénior de natureza nas novas rotas do lazer	Tomás, L., Medeiros, T., Moniz, A.I., Silva, O., Furtado, S., Vieira, V. & Ferreira, J.
39th Annual EARSeL Symposium	Salzburg, Austria	1-4 July	Poster	Using Google Earth Engine and free satellite data for forest mapping, assessment and monitoring in S. Miguel island (Archipelago of the Azores, Portugal)	Fernández Urrutia, M., Madruga, J. & Gil, A.
5th cE3c Annual Meeting – Frontiers in E3	Lisbon, Portugal	1-2 July	Poster	Foraging activity and diversity of flower visitors of <i>Echium candicans</i> , an endemic plant from Madeira Island	Costa, R., Hasse, A., Penado, A., Rego, C., Rebelo, R. & Boieiro, M.
5th cE3c Annual Meeting – Frontiers in E3	Lisbon, Portugal	1-2 July	Oral	Integrated monitoring approach for understanding tourism impacts - assisting managers in natural areas' crossroads	Carvalho, R., Cardoso, P., Gil, A. & Borges, P.A.V.
5th cE3c Annual Meeting – Frontiers in E3	Lisbon, Portugal	1-2 July	Poster	Microbial-assisted extraction of bioactive macroalgal carbohydrates and peptides	Barreto, M.C., Toubarro, D. Rosa, G.P. & Simões, N.
5th cE3c Annual Meeting – Frontiers in E3	Lisbon, Portugal	1-2 July	Oral	Occurrence, causes and consequences of predator attacks to humans	Barreiros, J.P. & Haddad Jr., V.
5th cE3c Annual Meeting – Frontiers in E3	Lisbon, Portugal	1-2 July	Poster	Taxonomical differentiation of four <i>Calendula</i> species based on phytochemical profile	Seca, A.M.L., Faustino, M.V., Pinto, D.C.G.A. & Silveira, P.
5th cE3c Annual Meeting – Frontiers in E3	Lisbon, Portugal	1-2 July	Oral	The role of habitat heterogeneity in the alpha and beta taxonomic diversity of Macaronesian spider communities	Borges, P.A.V., Malumbres-Olarte, J., Giraldeho, M., Cardoso, P., Amorim, I.R., Crespo, L., Arnedo, M., Boieiro, M., Carvalho, J.C., Carvalho, R., Gabriel, R., Lamelas-Lopez, L., López, H.,

Name of the Meeting	Local	Date	Type of presentation	Title of presentation	Authors of the presentation
					Octávio, P., Pereira, F., Pérez-Delgado, A., Rego, C., Romeiras, M., Ros-Prieto, A., Oromí, P., Emerson, P. & Rigal, F.
5th cE3c Annual Meeting – Frontiers in E3	Lisbon, Portugal	1-2 July	Poster	The impact of introduced species on pollination networks from well-preserved and disturbed native forest areas of Terceira island (Azores)	Boeiro, M., Ferreira, M., Santos, R., Pereira, F., Borges, P.A.V. & Rego, C.
9th Biennial Conference of the International Biogeography Society	Malaga, Spain	8-12 January	Poster	Dispersal ability shapes the strength of diversity-environment relationships in spider communities on oceanic islands	Rigal, F., Giraldeho, M., Cardoso, P., Crespo, L., Arnedo, M., Amorim, I.R., Boeiro, M., Rego, C., Malumbres-Olarte, J., Carvalho, J.C., Octávio, P., Gabriel, R., Lamelas-Lopez, L., López, H., Pereira, F., Pérez-Delgado, A., Romeiras, M., Ros-Prieto, A., Oromí, P., Emerson, P. & Borges, P.A.V.
Colóquio Jardins e seus visitantes: propósitos e estratégias de comunicação	Horta, Faial, Portugal	28 - 30 July	mesa redonda, apresentação oral	Atividades de Comunicação de Ciência no Jardim Duque da Terceira em Angra do Heroísmo, Ilha Terceira, Açores	Amorim, I.R., Arroz, A.M., Borges, P.A.V., Gabriel, R., Gonçalves, S., Leal, C., Malumbres-Olarte, J., Rosa, R. & Wallon, S.
Colóquio Jardins e seus visitantes: propósitos e estratégias de comunicação	Horta, Faial, Portugal	28 - 30 July	Oral	Actividades de comunicação de ciência no Jardim Duque da Terceira em Angra do Heroísmo, Ilha Terceira, Açores	Amorim, I.R., Arroz, A.M., Borges, P.A.V., Gabriel, R., Gonçalves, S., Leal, C., Malumbres-Olarte, J., Rosa, R. & Wallon, S.
Colóquio Jardins e seus visitantes: propósitos e estratégias de comunicação	Horta, Faial, Portugal	28 - 30 July	Oral	Botânica no jardim: exemplos de exploração pedagógica nos jardins dos Açores	Gabriel, R.
Congresso Europeu de Ecologia	Lisbon, Portugal	29 July - 2 August	Oral	Evaluating impacts of recreational trails in Azorean native forests	Carvalho, R., Cardoso, P., Gil, A. & Borges, P.A.V.
Congresso Ibero-Americano e Luso-Brasileiro de Psicologia da Saúde	Faro, Portugal	09-11 May	Oral	Atividades de turismo sénior, satisfação e bem-estar na promoção da saúde	Medeiros, T., Silva, O., Moniz, A., Ferreira, J., Santos, C., Vieira, V., Furtado, S. & Tomás, L.
Congresso Ibero-Americano e Luso-Brasileiro de Psicologia da Saúde	Faro, Portugal	09-11 May	Oral	Perceção de saúde, atividades preferidas e satisfação com a vida em turistas seniores no destino Açores	Silva, O., Furtado, S., Tomás, L., Moniz, A., Vieira, V., Ferreira, J., Santos, C. & Medeiros, T.

Name of the Meeting	Local	Date	Type of presentation	Title of presentation	Authors of the presentation
Congresso Internacional de Turismo Sénior	Ponta Delgada, Portugal	30 September - 1 October	Oral	Turismo de jardins nos Açores: que perspectivas?	Albergaria, I.S., Arroz, A.M., Gabriel, R. & Porteiro, J.
Ecosystem Services Partnership 10th world conference	Hannover, Germany	21-25 October	Oral	Development of regional case studies to support the integration and implementation of MAES in Overseas Europe's regional policy	Gil, A., Torres, J., Casas, E., Martín-García, L. & Arbelo, M.
Encontro Ciência 2019 – Encontro com a ciência e tecnologia em Portugal	Lisbon, Portugal	8-10 July	Poster	Predicting the spatial distribution of an introduced carnivore, <i>Mustela putorius furo</i> , in the Azores	Lamelas-López, L., Pardavila, X., Borges, P.A.V., Santos-Reis M., Amorim, R. I. & Santos, M.J.
Encontro Ciência 2019 – Encontro com a ciência e tecnologia em Portugal	Lisbon, Portugal	8-10 July	Oral	Unveiling the silent risks of living in volcanically active environments with integrative ecotoxicological approaches	Garcia, P.V., Parelho, C., Linhares, D., Bernardo, F., Camarinho, R. & Rodrigues, A.
ESA Living Planet Symposium 2019	Milan, Italy	13-17 May	Poster	Using Google Earth Engine and COPERNICUS Sentinel data for Environmental monitoring in EU High Nature Value farmlands	Gil, A. & Fernández Urrutia, M.
ESA Living Planet Symposium 2019	Milan, Italy	13-17 May	Poster	Using Google Earth Engine and Sentinel-2 multispectral data for ecological monitoring in EU High Nature Value farmlands	Gil, A. & Fernández Urrutia, M.
European Conference on Marine Natural Products	Peniche, Portugal	1-5 september	Poster	Anti-aging activity of <i>Lobophora variegata</i> ethanolic and methanolic extracts and their fractions	Rosa, G.P. Costa, A. Medeiros, D. Seca, A.M.L. & Barreto, M.C.
ICOTTS'19 - International Conference on Tourism, Technology & Systems	Buenos Aires, Argentina	5-7 December	Oral	Perception, Travel Concerns, and Senior Tourist Satisfaction	Medeiros, T., Silva, O., Furtado, S., Moniz, A., Vieira, V. & Tomás, L.
Island Biology 2019	La Reunion, France	8 - 12 July	Oral	Archipelagos in the anthropocene - the legacies of past human-environment interactions on islands	Norder, S., De Lima, R.F., Fernandez-Palacios, J.M., De Nascimento, L., Romeiras, M., Elias, R., Catarino, L., Ceriaco, L., Gabriel, R., Menezes De Sequeira, M., Nogué, S., Matos, M., Rijdsdijk, K., Hall, M. & Borges, P.A.V.

Name of the Meeting	Local	Date	Type of presentation	Title of presentation	Authors of the presentation
Island Biology 2019	Lisbon, Portugal	29 July - 2 August	Oral	Ecosystem services associated with water: the role of the liverwort <i>Frullania tamarisci</i> along an elevation gradient in Terceira Island (Azores) for one year	Gabriel, R., Coelho, M.C.M. & Ah-Peng, C.
Island Biology 2019	La Reunion, France	8 - 12 July	Poster	Increasing knowledge on the threatened endemic bryophytes from Macaronesia: main threats, priority habitats and the role of Natura 2000	Sim-Sim, M., Gabriel, R., González-Mancebo, J. & Martins, A.
Island Biology 2019	La Reunion, France	8 - 12 July	Oral	Past, Present and Future Of Invasive Alien Species on the Macaronesian Islands	Lopez-Darias, M., Borges, P.A.V., Medeiros, C., Oliveira, P., Piquet, J.C. & Rodríguez-Luengo, J.L.
Island Biology 2019	La Reunion, France	8 - 12 July	Oral	The role of habitat heterogeneity in the taxonomic and functional diversity of Macaronesian spider communities	Borges, P.A.V., Malumbres-Olarte, J., Giraldeho, M., Cardoso, P., Amorim, I.R., Crespo, L., Arnedo, M., Boeiro, M., Carvalho, J.C., Carvalho, R., Gabriel, R., Lamelas-Lopez, L., López, H., Octávio, P., Pereira, F., Pérez-Delgado, A., Rego, C., Romeiras, M., Ros-Prieto, A., Oromí, P., Emerson, P. & Rigal, F.
Island Biology 2019	La Reunion, France	8 - 12 July	Poster	To What Extent is the Current Spatial Distribution of Organisms Shaped by Past Environmental Dynamics	Norder S.J., Proios, K.V., Whittaker, R.J., Alonso, M.R., Borges, P.A.V., Borregaard, M.K., Cowie, R.H., Florens, F.B.V., de Frias Martins, A.M., Ibáñez, M., Kissling, W.D., de Nascimento, L., Otto, R., Parent, C.E., Rigal, F., Warren, B.H., Fernández-Palacios, J.M., van Loon, E.E., Triantis, K.A. & Rijdsdijk, K.F.
Jornada de difusión del proyecto de Asociación Estratégica Control de Especies Invasoras	Tenerife, Spain	15 - 17 January	Oral	Arquipélago dos Açores no século XXI: O desafio das espécies exóticas invasoras	Gabriel, R.
LIFE "Lands of Priolo" International Conference - Challenges and Strategies for Conservation in Insular Environments	Ponta Delgada, Portugal	29-30 April	Oral	Using remote sensing for monitoring terrestrial ecosystems in the Azores Islands	Gil, A.

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MIT Portugal Annual Conference 2019	Ponta Delgada, Portugal	30 September	Poster	Using Google Earth Engine Technology and Free & Open Access Earth Observation Data for Forest Inventorying and Monitoring in the Azores Islands (Portugal)	Fernández Urrutia, M., Madruga, J. & Gil, A.
Seminário Internacional Turismo Criativo e Inteligente: Desafios para os Espaços Insulares - panel Turismo criativo e inteligente: desafios para o destino Açores	Praia da Vitória, Portugal	5 April	Invited panel speaker	Turismo criativo e inteligente: desafios para o destino Açores	Barreiros, J.P.
SMART CITIES TOUR 2019	Ponta Delgada, Portugal	5 April	Oral	Deteção Remota para apoio à monitorização inteligente dos ecossistemas terrestres nos Açores	Gil, A.
The 8th International Conference on Medical Geology	Guiyang, China	12-15 August	Oral	Azorean volcanic soils: iodine and cobalt bioavailability and health effects	Rodrigues, A., Linhares, D. & Garcia, P.V.
The 8th International Conference on Medical Geology	Guiyang, China	12-15 August	Poster (PO; Best poster award by ACTA GEOCHIMICA)	Iodine intake and related cognitive function impairments in elementary schoolchildren.	Garcia, P.V., Bailote, H.B., Sousa, M., Motta, C., Cabral, J., Carvalho, C. & Rodrigues, A.
VII Jornadas Arte'Ambiente: Resgatar tradições com plantas	Praia da Vitória, Portugal	30 September - 1 October	Oral	Tradição e sustentabilidade: aprendendo a apaziguar os tormentos do linho	Arroz, A.M., Amorim, I.R., Coelho, M.C.M. & Gabriel, R.
VIII FIPED Portugal - Fórum Internacional de Pedagogia: Cidades Universitárias	Angra do Heroísmo, Portugal	6 -11 May	Oral	Bryophytes of Azorean gardens and parks: Pinhal da Paz - São Miguel Island	Polaino-Martín, C., Gabriel, R. & Albergaria, I.S.
VIII FIPED Portugal - Fórum Internacional de Pedagogia: Cidades Universitárias	Angra do Heroísmo, Portugal	6 - 11 May	Oral	Serviços dos ecossistemas na ilha Terceira: sequestro de carbono na floresta nativa	Mendonça, E., Gabriel, R., Elias, R.B. & Borges, P.A.V.
VIII FIPED Portugal - Fórum Internacional de Pedagogia: Cidades Universitárias	Angra do Heroísmo, Portugal	9-11 May	Evaluator	NA	Barreiros, J.P. & Fonseca, J.

Name of the Meeting	Local	Date	Type of presentation	Title of presentation	Authors of the presentation
WDSI - Annual Meeting. Western Decision Science Institute 2019	Los Angeles, California, USA	5 - 10 March	Oral	Speed dating in science (SDS): an innovative decision-making process to foster public debate in agriculture	Silva, E., Marta-Costa, A., Sardinha, S. & Gabriel, R.
Workshop LIFE Recover Natura	Funchal, Portugal	14 March	Oral	Biodiversidade, interações ecológicas e ameaças à conservação dos insetos no arquipélago da Madeira	Boieiro, M.
Workshop LIFE Recover Natura	Funchal, Portugal	14 March	Oral	Madeira, a pérola da biodiversidade	Boieiro, M., Aguiar, A.F., Aguiar, C.A.S., Borges, P.A.V., Cardoso, P., Crespo, L., Menezes, D., Pereira, F., Rego, C., Silva, I., Martins da Silva, P. & Serrano, A.R.M.
XVI International Symposium on Marine Natural Products and XI European Conference on Marine Natural Compounds	Peniche, Portugal	1-5 September	Poster	Anti-aging activity of <i>Lobophora variegata</i> ethanolic and methanolic extracts and their fractions.	Rosa, G.P., Costa, A., Medeiros, D., Seca, A.M.L. & Barreto, M.C.
XVI International Symposium on Marine Natural Products and XI European Conference on Marine Natural Compounds	Peniche, Portugal	1-5 September	Poster	GC- and UHPLC-MS profiles as a tool to valorize the red alga <i>Asparagopsis armata</i> .	Lesenfans, M.L., Seca, A.M.L., Silva, A.M.S. & Pinto, D.C.G.A.
XVII Semana da Ciência da Escola Básica Integrada de Angra do Heroísmo	Angra do Heroísmo, Portugal	1 - 5 April	Oral	Linho nos Açores: passado, presente e futuro	Gabriel, R., Amorim, I.R., Arro, A.M. & Coelho, M.C.M.
XVIII Congreso Iberico de Entomologia	Madrid, Spain	10-13 July	Poster	A lista vermelha dos invertebrados de Portugal Continental.	Rego, C., Garcia-Pereira, P., Reis, J., Caramujo, M.J., Ceia, H. & Boieiro, M.
XVIII Congreso Iberico de Entomologia	Madrid, Spain	10-13 July	Oral	Associations of plants and their insect flower visitors from native forest areas of Terceira island (Azores)	Boieiro, M., Ferreira, M., Santos, R., Pereira, F., Borges, P.A.V. & Rego, C.
XVIII Congreso Iberico de Entomologia	Madrid, Spain	10-13 July	Oral	Estado actual de la Entomología	Galante, E., Lobo, J., Boieiro, M. & Goula, M.

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XVIII Congreso Iberico de Entomologia	Madrid, Spain	10-13 July	Poster	Foraging activity and diversity of flower visitors of <i>Echium candicans</i> , an endemic plant from Madeira Island.	Costa, R., Hasse, A., Penado, A., Rego, C., Rebelo, R. & Boieiro, M.
XVIII Congreso Iberico de Entomologia	Madrid, Spain	10-13 July	Poster	School and University meet to promote insect biodiversity and insect-plant interactions	Rego, C., Souto, A., Ramos, A., Pereira, B., Silva, N., Filipe, J., Ribeiro, S., Ribeiro, M. & Boieiro, M.
XVIII Congreso Iberico de Entomologia	Madrid, Spain	10-13 July	Poster	Stag beetle monitoring in Portugal: two years of progress	Soutinho, J. G., Rego, C., Moreira-Pinhal, T., Carvalho, J., Gonçalves, A. R., Abreu, G., Ceia, H., Fonseca, C. & Matos, M.
XVIII Congreso Iberico de Entomologia	Madrid, Spain	10-13 July	Poster	The Argentine ant (<i>Linepithema humile</i>) in Madeira archipelago: distribution, ecology and the impact of a small invader	Ramos, C., Boieiro, M., Silva, I., Cardoso, P., Santos, R., Mourão, A., Menezes, D. & Rego, C.
XXII Symposium of Cryptogamic Botany	Lisbon, Portugal	24 - 26 July	Oral	Growing in the dark: bryophytes from Terceira Island (Azores) at cave entrances	Polaino-Martín, C., Jennings, L., Peroni, C., Pereira, F., Amorim, I.R. & Gabriel, R.
XXII Symposium of Cryptogamic Botany	Lisbon, Portugal	24 - 26 July	Poster	Revisiting the bryophytes of “Mata-Jardim José do Canto (São Miguel Island)” after 81 years	Gabriel, R., Aleffi, M., Benedictis, M., Polaino-Martín, C., Cruz, R., Borges, P.A.V. & Albergaria, I.S.
XXV Encontro Luso-Galego de Química	Santiago de Compostela, Spain	20-22 november	Oral	<i>Asparagopsis armata</i> : a nightmare for Azores coast biodiversity	Pinto, D. C. G. A., Lesenfans, M. L., Seca, A. M. L. & Silva, A. M. S.