

PEERS – Platform for Enhancing Ecological Research & Sustainability

(Plataforma para o Desenvolvimento da Investigação em Ecologia e Sustentabilidade)

**Azorean Biodiversity Group
Annual Report - Report 2012**



Angra do Heroísmo, January 2013

COORDINATOR:

Paulo A. V. Borges

TEAM:

Senior Research Scientists

Ana Maria Ávila Simões

Ana Moura Arroz

António Onofre Soares

David Horta Lopes

João Pedro Barreiros

Patrícia Ventura Garcia

Rosalina Gabriel

Rui Bento Elias

Virgílio Vieira

Post-Docs:

Alison L. Neilson

Artur Gil (Started in 2012)

Carla Rego

François Rigal

Isabel Amorim

Isabel Borges (Started in 2012)

José A. P. Marcelino

Kostas Triantis (Finished contract in late 2012)

Margarita P. Florencio Diaz (Started in 2012)

Pedro Cardoso (Finished contract in late 2012)

Ph.D. Students:

Ana Picanço (Started in 2012)

Carolina Parelho (Started in 2012)

Christiana Faria

Débora Henriques (Started in 2012)

Elsa Costa

Márcia Coelho (Started in 2012)

Marta Costa (Started in 2012)
Orlando Guerreiro (Started in 2012)
Reinaldo Pimentel
Rita Godinho (Started in 2012)
Ruben Abreu (Started in 2012)
Rui Nunes (Started in 2012)
Sara Silveira (Started in 2012)
Silvia Calvo Aranda
Sofia Terzopoulou
Sónia Duarte (Started in 2012)
Tânia Ferreira
Thomas Matthews (Started in 2012)

Associate Research Fellows:

Alain Vanderpoorten (Started in 2012)
Ana Margarida Santos
Aris Parmakelis (Started in 2012)
Clara S. Gaspar
François Guilhaumon
Jairo Patiño (Started in 2012)
Joaquín Hortal
Jorge M. Lobo
José Carlos Carvalho (Started in 2012)
Lina Nunes
Rudolf Scheffrahn
Sérvio P. Ribeiro
Simone Fattorini

Finish their collaboration by the end of 2012):

Alberto Jimenez-Valverde
Andrés Baselga
Hanno Schaeffer

Grant Students:

Annabella Borges

Enésima Mendonça
Filomena Ferreira
Isabel Cunha Neves
Maria Teresa Ferreira
Nídia Homem
Nuno Bicudo
Paulo Rogério Silva
Rita São Marcos

Technicians:

Alda Brasil
Fernando Pereira

SUMMARY

The year of 2012 was an excellent year for the Azorean Biodiversity Group (ABG- CITA-A).

Publications: A total of 50 publications were published by our integrated members, 31 of which being in International Indexed Journals with Impact Factor (60%). This makes more than two publications by integrated member with a Ph.D., and about 1.5 ISI papers per integrated member with a Ph.D. To those 50 publications we can add 22 more with the affiliation of the ABG (CITA-A, University of Azores) published by our Associate Research Fellows. This high productivity is promoting the internationalization of the ABG (CITA-A, University of Azores)) and increasing the visibility of the group. This year will also be remembered by the creation of the Portuguese Platform for Enhancing Ecological Research & Sustainability (PEERS), a research partnership between ABG (CITA-A; University of Azores; <http://www.gba.uac.pt/>), the Centre of Environmental Biology (University of Lisbon; <http://cba.fc.ul.pt/>), and the Centre of Functional Ecology (University of Coimbra; <http://cfe.uc.pt/>).

Projects: Thirty four projects run in 2012, 19 of which coordinated by integrated members. Eight received international funding, six received national founding by FCT, 13 received regional funding by DRCTC and seven more projects were funded by other Agencies. These 33 projects represent about 1.326.000,00 Euros granted to the group; a part of it was executed in 2012. To these values we may add the Post Doc, Ph.D. and Technical grants obtained in 2012, representing circa 173.000,00 Euros.

Research team: In 2012 the team was composed by 10 senior researchers from the University of Azores, 10 Post Docs (two of which finished their contract in September), 18 Ph.D. students (12 starting in 2012), nine grant students and two technicians. In addition, we could count with the active collaboration of 16 Associate Research Fellows in a number of projects, four of which started in 2012 (Aris Parmakelis, José C. Carvalho, Alain Vanderpoorten and Jairo Patiño); three Associate Research Fellows ended their collaboration with the group (Alberto Jimenez-Valverde, Andrés Baselga and Hanno Schaeffer). We are very grateful to the former members, whose valuable contribution promoted our group on many occasions.

Events: The organization of the Iberian Congress of Entomology in Azores (Terceira) was the main event promoted by the group during 2012. It occurred in September and had more than 130 participants from five countries.

Awards: The “Azorean Biodiversity Group Prizes”, is an initiative of the group to highlight excellence in research and confer larger visibility to outstanding people. Five distinctions were announced during the Iberian Congress of Entomology: i) “The Most Productive Young Researcher 2012” Award – Pedro Cardoso; ii) “BALA –Biodiversity of Arthropods from Laurisilva of Azores 2012” Award – Clara Saraiva Gaspar; iii) “The Azorean Biodiversity Group Engagement 2012” Award – Enésima Mendonça; iv) “The Events 2012” Award – Carla Rego; v) “The Linnean Prize 2012” – Artur R. M. Serrano.

In summary the publications in 2012 were:

By integrated members (Total = 50)

INTERNATIONAL PEER REVIEWED PAPERS = 31

BOOKS = 1

BOOK CHAPTERS = 7

OTHER PEER REVIEWED PAPERS = 5

OTHER TYPE OF PUBLICATIONS = 6

By Associate Research Fellows (Total = 22)

INTERNATIONAL PEER REVIEWED PAPERS = 14

OTHER PEER REVIEWED PAPERS = 1

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Nationally funded projects

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DRCT – Azorean Science Foundation

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PART II - Publications

International peer reviewed papers

With at least one integrated member of the group

With associate research fellows only

Books

Book chapters

Other peer reviewed papers

With at least one integrated member of the group

With associate research fellows only

Papers on proceedings of symposia

Other publications

With at least one integrated member of the group

With associate research fellows only

PART III - Awards

“AZOREAN BIODIVERSITY GROUP” AWARDS

INTRODUCTION

Foreword

The Azorean Biodiversity Group (ABG) is one of the four research groups of the Research Centre CITA-A (“Centro de Investigação em Tecnologias Agrárias dos Açores”). This centre is included in the University of Azores and is mainly sponsored by the Portuguese Foundation for Science and Technology (FCT) and the Regional Direction of Science and Technology (DRCTC).

Although the Azorean Biodiversity group started officially in 2006, based on a reorganization of CITA-A, many investigators go back to 1999, when the BALA (Biodiversity of Arthropods from the Laurisilva of the Azores) project started. The number of people that is involved in the group has been steadily increasing since its creation and presently includes more than 35 members and 12 research associates, from several countries.

Mission of the group

The excellence of islands as natural laboratories for ecological and evolutionary studies is well established since Darwin and Wallace. Their isolation allows controlling and measuring most effects with accuracy. Oceanic islands host a high proportion of endemic species, many of which are in danger as a consequence of recent human habitation, so there are very few places where the ‘biodiversity crisis’ is as apparent and in need of urgent action.

The “Azorean Biodiversity Group” (CITA-A) conducts basic and applied research in ecology and related disciplines (e.g. taxonomy, biogeography, evolutionary biology, conservation, science communication), to understand and predict the functioning of island communities and ecosystems. Our specific aims are:

- The study of biological diversity. How many species exist in the Azores?
- To study the processes which link populations and whole communities in island ecosystems;
- To understand the consequences of Human impacts upon Azorean ecosystems;
- Apply the results of fundamental research in the conservation and management of natural populations and their habitats;
- Contribute for the control of pest species (e.g. urban termites):
- Communicate efficiently the results of our science to different kinds of audiences

using a diversity of strategies.

We are particularly interested in assessing the effects of habitat fragmentation and exotic species on the endemic island fauna and flora. Our course of action is being made around four articulated approach levels: i) data production, that includes the long-term monitoring of the diversity and rarity patterns of several taxonomic groups; ii) data integration; iii) assessment of public perspectives about nature and the environment and science communication; and iv) building networking.

Agenda

The “Azorean Biodiversity Group” research Agenda for the next five years addresses six key themes:

1. ECOLOGY – Study of the species environment and patterns of diversity, distribution and abundance

- Macroecology
- Ecophysiology
- Dispersal dynamics
- Marine Ecology
- Agro-Ecology
- Ecotoxicology

2. BIOGEOGRAPHY – study of species distribution at several scales with emphasis on the insular biogeographical models

- Insular biogeography
- Species area relationships (SAR)

3. EVOLUTION – linking ecological, genetic and evolutionary processes

- Evolutionary ecology
- Phylogeography

4. TAXONOMY – discover and classify Azorean species

- Describe new taxa and prepare local and regional lists of species.

5. SUSTAINABILITY – potential for long-term maintenance of wellbeing, which has environmental, economic, and social dimensions.

- Conservation biology

- Pest management and control (with emphasis on termites)
- Risk communication
- Environmental education
- Sustainable development
- Public participation

6. SCIENCE COMMUNICATION – interdisciplinary approach that aims the diffusion of knowledge, and the communication of science and technology among professionals and to the public

- Web portals
- Books for the general public
- Exhibitions

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Part I - PROJECTS (Running in 2012)

INTERNATIONAL PROJECTS

1. NETBIOME – Europe –FCT NETBIOME/0003/2011

ISLAND-BIODIV: Understanding biodiversity dynamics in tropical and subtropical islands as an aid to science based conservation action (2012-2015)

Coordinator: Brent Emerson (Instituto de Productos Naturales y Agrobiología (IPNA-CSIC), Tenerife, Canary Islands, Spain); Members: Paulo Borges, Rui B. Elias (CITA-A – Azorean Biodiversity Group, Portugal); Pedro Oromí, José María Fernández-Palacios (Univ. de La Laguna, Canaries, Spain); Dominique Strasberg (Université de La Réunion, Réunion, France); Christophe Thébaud (Université Paul Sabatier (Toulouse 3), France), Juli Caujapé-Castells (Jardín Botánico Canario “Viera y Clavijo” – Unidad Asociada CSIC, Spain).

Coordinator in Portugal: Paulo A. V. Borges; Portuguese team: Rui B. Elias, António Onofre Soares, Pedro Cardoso, Carla Rego, José Marcelino, Isabel R. Amorim, Fernando Pereira (added recently: Rui Nunes, Maria Teresa Ferreira). Grant Student: Rui Carvalho.

Budget for the Azorean Biodiversity Group: 61.044,00€

2. NETBIOME – Europe – FCT

MOVECLIM: Montane vegetation as listening posts for climate change (2012-2014)

Coordinator: Claudine Ah-Peng (University of La Réunion);

Members: Rosalina Gabriel (Azorean Biodiversity Group – Univ Azores); Magnin Hervé (Parc national de la Guadeloupe); Jean-Yves Meyer (Délégation à la Recherche, Gouvernement de Polynésie Française Research Department, Government of French Polynesia); Juana María González-Mancebo (University of La Laguna, Department of Botany); Jacques Bardat (Muséum National d’Histoire Naturelle); Benoît Lequette (Parc National de La Réunion); Lisa Lavocat (Conservatoire Botanique National de Guadeloupe); Terry Hedderson (University of Cape Town, Botany Department); Michael Kessler (University of Zürich); Juergen Kluge (University of Marburg); Min Chuah-Petiot (Universiti Sains Malaysia);

Coordinator in Portugal: Rosalina Gabriel (Azorean Biodiversity Group – Univ Azores)

Portuguese team: Márcia Coelho, Débora Henriques, Sílvia Calvo Aranda, Fernando Pereira

Budget for the Azorean Biodiversity Group: 70.000,00€

3. AGRICOMAC: Transferencia de Tecnologías al Setor Agrícola de la Macaronesia – MAC/1/C047 (2009-2011)

Coordinator: D. Henry Sicilia Hernández (ASAGA); Members: David João Horta Lopes (Azorean Biodiversity Group – Univ. Azores, Portugal); D. Juan Carlos Moreno Moreno (ICIA); D. Ricardo Melchior Navarro (Cabildo de Tenerife, Canary Islands, Spain); Domingo Ríos Mesa (CCBAT); Dña. Guadalupe González Taño (Cabildo de la Palma, Canary Islands, Spain); Joao Francisco G. Nunes Ferreira (Associação de Agricultores da Madeira, Madeira, Portugal); José Manuel Nunes Castanheira da Costa (UMA); Miguel Ângelo Almeida Pinheiro Carvalho (ISOPlexis); Fernando Gastão da Sousa Sieuve de Menezes (FRUTER); Artur da Câmara Machado (CBA, Portugal);

Coordinator in Portugal: David João Horta Lopes (Azorean Biodiversity Group – Univ. Azores, Portugal)

Budget for the Azorean Biodiversity Group: 40.000,00€

4. BIOMUSA: Transferencia de I+D+I para o Desenvolvimento sustentável da cultura da bananeira nas RUPs MAC – MAC/1/C054 (2009-2011)

Coordinator: Juan Cabrera (ICIA); Members: David João Horta Lopes (Azorean Biodiversity Group – Univ. Azores, Portugal); Luís Ribeiro (DRADR); Esther Domínguez (ASPROCAN); Raimundo Cabrera (ULL);

Coordinator in Portugal: David João Horta Lopes (Azorean Biodiversity Group – Univ. Azores, Portugal)

Budget for the Azorean Biodiversity Group: 41.000,00€

5. CABMEDMAC: Estudo de implementação de medidas de combate à Mosca-do-mediterrâneo em Cabo Verde e na Macaronésia – MAC/3/A163 (2010-2013)

Coordinator: David João Horta Lopes (Azorean Biodiversity Group – Univ. Azores, Portugal); Members: Dalila Maria Bettencourt Caldeira Sena Carvalho (SRARN); Raimundo Cabrera Pérez (ULL); Santiago Domingo Perera Gonzalez (Cabildo Insular de Tenerife, Canary Islands, Spain); Isildo Gonçalves Gomes (Instituto Nacional de Investigação e Desenvolvimento Agrário (INIDA), Portugal);

Budget for the Azorean Biodiversity Group: 100.000,00€

6. GENAIRE: GenERATIONS OF AZOREANS AND RENEWABLE ENERGY – MIT-PORTUGAL PROGRAM

Coordinator: Rosa Neves Simas (Coord.) (DLLM – UAç)

Members: Ana Moura Arroz (DCE – UAç);

Other participants: Licínio Vicente Tomás (DHFCS – UAç); Margarida Damião Serpa (DCE – UAç); Carlos João Gomes (DCE – UAç).

7. CESAB, Centre de Synthèse et d'Analyse sur la Biodiversité.

Community assembly on remote islands: does equilibrium theory apply?

Coordinator: Christophe Thébaud.

Members: Kostas Triantis (Position in the project: Research associate)

8. Biogeography, life history and conservation of endemic and threatened birds of the Pernambuco center of endemism, northeast Brazil.

Coordinator: R.J Ladle (UFAL & Oxford).

Members: Kostas Triantis (Position in the program: Technical advisor)

NATIONALLY FUNDED PROJECTS

FCT - Portuguese Science Foundation

1. FCT - PTDC/BIA-BEC/104571/2008 – “What can the Macaronesian islands teach us about speciation? A case study of *Tarphius* beetles and *Hipparchia* butterflies” (2010-2012)

Coordinator: Paulo Borges; Members: Rosalina Gabriel; Ana Moura Arroz; Isabel R. Amorim; Fernando Pereira;

Other participants: Brent C. Emerson and Christiana Faria (Centre for Ecology, Evolution and Conservation, School of Biological Sciences, University of East Anglia, U.K.); Artur R. M. Serrano (CBA- Fac. de Ciências de Lisboa, Portugal).

Budget for the Azorean Biodiversity Group: 120.000,00€

2. FCT- PTDC/BIA-BEC/100182/2008 – “Predicting extinctions on islands: a multi-scale assessment” (2010-2013)

Coordinator: Paulo Borges (Azorean Biodiversity Group, Univ. Azores, Portugal); Members:

Kostas Triantis, Luís Crespo, François Rigal, Carla Rego, Fernando Pereira. Robert Whittaker (Biodiversity Research Group, Oxford University Centre for the Environment, U.K.); Aris Parmakelis (Department of Ecology and Taxonomy, Faculty of Biology, National & Kapdistrian University of Athens, Greece).

Budget for the Azorean Biodiversity Group: 194.907,00€

3. FCT - PTDC/BIA-BEC/099138/2008 - Conflict between human activities and the conservation of island endemics in a Global Biodiversity Hotspot. (2010-2013)

Coordinator: Artur Serrano (CBA- Lisbon, Portugal) ; Members: Paulo Borges, Carla Rego, Clara S. Gaspar, Pedro Cardoso, Alberto J. Valverde, Joaquin Hortal, Ana Santos, Fernando Pereira.

Budget for the Azorean Biodiversity Group: 8.000,00€ (Field Work)

4. FCT - PTDC/BIA-BEC/098783/2008 - Adaptive significance and genetic basis of a balanced colour-polymorphism. (2010-2012)

Coordinator: Sofia Seabra (CBA- Lisbon, Portugal); Members: Paulo Borges.

Budget for the Azorean Biodiversity Group: 3.000,00€ (Field Work)

5. FCT - PTDC/AGR-AAM/108312/2008. "An omnipotent guest in an omnipotent pest: Aphids/Wolbachia case "(2010-2013)

Coordinator: Manhaz Khadem (Univ. Madeira, Portugal); Members: Paulo Borges.

Budget for the Azorean Biodiversity Group: 3.000,00€

6. PTDC/BIA-BIC/119255/2010 – "Biodiversity on oceanic islands: towards a unified theory"
Starting March 2012

Coordinators: Paulo A. V. Borges and Kostas Triantis;

Other participants from Azorean Biod. Group: Ana Margarida Santos, Pedro Cardoso, François Rigal (Post-Doc of the Project).

Other participants from other Institutions: Robert Whittaker (Biodiversity Research Group, Oxford University Centre for the Environment, U.K.); Aris Parmakelis (Department of Ecology and Taxonomy, Faculty of Biology, National & Kapdistrian University of Athens, Greece)

Project's consultants (Brent Emerson, John Halley, Joaquin Hortal and Richard Ladle; Luis António Borda Água)

Projects Collaborators (Isabel R. Amorim, Miguel Ferreira and James Rosindell)

Budget for the Azorean Biodiversity Group: 99.000,00€

DRCTC (Azorean Science Foundation)

1. DRCTC - M221-I-002-2009 - TERMODISP - A térmita de madeira seca *Cryptotermes brevis* (Walker) nos Açores: Monitorização dos voos de Dispersão e prevenção da colonização. (2009-2011)

Coordinator: Paulo Borges; Members: Ana Moura Arroz, Ana Simões, Orlando Guerreiro, Annabella Borges, Filomena Ferreira, Carolina Couto, Lina Nunes.

Budget for the Azorean Biodiversity Group: 183.029,00€

2. DRCTC - M3.2.3/I/019B/2009, no âmbito da Medida 3.2.3 – “Apoio à edição de publicações científicas”, no âmbito do Eixo 3.2 – “Incentivos à produção científica”, do Programa 3 (Apoio à formação avançada (FORMAC)- “Abordagens ao ambiente em contexto escolar” (2009-2010)

Coordinator: Rosalina Gabriel; Members: Ana Moura Arroz, Paulo Borges

Budget for the Azorean Biodiversity Group: 5.000,00€

3. DRCTC- M212/I/039/2011 - Biodiversity Economic Valuation of Endemic Species (BioEcoValES) (2012-2014)

Coordinator: Tomaz P. Dentinho; Members: Rosalina Gabriel.

Budget for the Azorean Biodiversity Group: 40.000,00€

4. DRCTC- M2.1.2/I/005/2011 - Implications of climate change for Azorean Biodiversity - IMPACTBIO (2012-2014)

Coordinator: Rui B. Elias; Members: Paulo A. V. Borges, Rosalina Gabriel, Silvia Calvo, Pedro Cardoso

Budget for the Azorean Biodiversity Group: 40.000,00€

5. DRCTC- M2.1.2/I/008/2011 - Biomonitoring air pollution: development of an integrated system - BIOAIR (2012-2014)

Coordinator: Armindo Rodrigues; Members: Patrícia Garcia

Budget for the Azorean Biodiversity Group: 40.000,00€

6. DRCTC- M2.1.2/I/027/2011 - Mapping coastal and marine biodiversity of the Azores - ATLANTIS-MAR (2012-2014)

Coordinator: Paulo A. V. Borges; Members: Enésima Mendonça, Pedro Cardoso, João Pedro Barreiros, Rosalina Gabriel, Rui Elias

Budget for the Azorean Biodiversity Group: 39.820,00€

7. DRCTC- M2.1.2/F/040/2011 - Science and Policy Integration for a Sustainable Marine Strategy - SciPol-ISeMarS (2012-2014)

Coordinator: Ricardo Serrão Santos (DOP); Members: Alison Neilson

Budget for the Azorean Biodiversity Group: 4.000,00€

8. DRCTC- M3.2.3/I/035/2011 – Publicação “Problemas Fitossanitários nas Cameleiras da Ilha de São Miguel” (2011-2012).

Coordinator: David João Horta Lopes; Members: Ana Santos, Jorge Azevedo, Liliana Marques, Lucia Ventura, Reinaldo Pimentel

Budget for the Azorean Biodiversity Group: 2.330,00€

9. DRCTC- M3.2.3/I/036/2011 – Publicação “Folhas Divulgativas – Preservação de Variedades Regionais” (2011-2012).

Coordinator: Lucia Ventura; Members: David João Horta Lopes, Ana Santos, Jorge Azevedo, Liliana Marques, Reinaldo Pimentel

Budget for the Azorean Biodiversity Group: 1.616,00€

10. DRCTC- M4.2.2/I/015/2012 – Divulgação do papel da Protecção de Plantas no Combate aos problemas fitossanitários das culturas (2012)

Coordinator: David João Horta Lopes; Members: Ana Santos, Jorge Azevedo, Liliana Marques, Lucia Ventura, Reinaldo Pimentel

Budget for the Azorean Biodiversity Group: 4.994,00€

11. DRCTC- M3.2.2/I/017/2012_ - XV Congresso Iberico de Entomologia (2012)

Coordinator: Paulo A. V. Borges; Members: Carla Rego

Budget for the Azorean Biodiversity Group: 8.200,00€

12. DRCTC- (M3.1.7/F/002/2011) Impact of Land-Use changes in the arthropod fauna of the Azores (2012-2015).

Coordinator: Paulo A. V. Borges; Membros: Margarita Patricia Florencio Díaz, Jorge M Lobo.

Budget for the Azorean Biodiversity Group: 63.000,00€ euros

13. DRCTC – (M3.2.2/I/034/2012). Workshop “Biotecnologia em Controlo Biológico”.

Coordinator: António O. Soares; Members: Paulo A. V. Borges Patricia Garcia, David H. Lopes, Enésima Mendonça.

Budget for the Azorean Biodiversity Group: 7.085,00€

OTHER FUNDING INSTITUTIONS

1. FLAD - [PRO-BIO] Profiling Reliable Organisms as BIOindicators (2009-2011)

Coordinator: António Onofre Soares ; Members: Paulo Borges; José Marcelino, Patricia Garcia, Budget for the Azorean Biodiversity Group: 53.000,00 Euros.

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2. United Nations University - RCE-Azores, UNESCO Research Centre of Expertise (2009-2014)

Coordinator: Alison L. Neilson; Members: Rosalina Gabriel, Ana Moura Arroz, Enésima Mendonça, Paulo Borges, Ana Simões, Fernando Pereira.

EU Leonardo DaVinci Programme for Vocational Training, Change Agents UK – support placement of interns with RCE Açores, 2 interns in 2011, 3 in 2012, 3-4 in 2013.

3. EDP – BIODIVERSITY PORTUGAL - “ Biodiversidade, endemismos e espécies protegidas associadas às lagoas e cursos de água da Serra da

Estrela: valorização de um século de aproveitamento hidroeléctrico” (2012-2013)

Coordinator: Artur R. M. Serrano; CBA- Lisbon) ; Members: Paulo Borges, Carla Rego, Pedro Cardoso,

Budget for the Azorean Biodiversity Group: 5.000€

4. FLAD - [HOLI-BioPest] Desenvolvimento de um programa integrado para biomonitorizar a exposição a pesticidas em ecossistemas agrícolas: uma abordagem holística (2012-2014)

Coordinator: Patrícia Ventura Garcia; Members: Armindo Rodrigues, Maria do Carmo Barreto, Luís Cunha, John Stark (Washington State University, USA)

Budget for the Azorean Biodiversity Group: 24.000 Euros.

5. Direção Regional do Turismo. Workshop “Augmentative Biological Control: scientific research, field application and business”.

Coordenador: António O. Soares; Members: Isabel Borges.

Budget for the Azorean Biodiversity Group: 1.000,00€

6. SOS Termitas –Unidos na Prevenção (2010-2012).

Funded by Mayor Ponta Delgada, Angra Heroísmo, Vila Porto; Horta

Coordinator: Ana Moura Arroz; Members: Rita São Marcos, Isabel Neves, Orlando Guerreiro, Rosalina Gabriel, Paulo Borges; Paulo Silva

Budget for the Azorean Biodiversity Group: 100.000,00€

7. SOS Termitas –Unidos na Prevenção II (2012-2013)

Funded by Mayor Ponta Delgada, Vila Porto.

Coordinator: Ana Moura Arroz; Members: Rita São Marcos, Isabel Neves, Orlando Guerreiro, Rosalina Gabriel, Paulo Borges; Paulo Silva

Budget for the Azorean Biodiversity Group: 20.000,00€

Overall contribution by author (IM – Integrated Member; ARF - Associate Research Fellows)

Members		International		National		Regional		TOTAL
		PI	Partic	PI	Partic	PI	Partic	
Borges, P.A.V.	IM	1	1	3	5	4	5	19
Gabriel, R.	IM	1	1		1	1	5	9
Lopes, D.H.	IM	2	1			2	2	7
Arroz, A.M.	IM		2		1	2	2	7
Cardoso, P.	IM		1		3		2	6
Pereira, F.	IM		2		3			5
Rego, C.	IM		1		3		1	5
Garcia, P.	IM			1	1		2	4
Soares, A.O.	IM		1	1		2		4
Triantis, K.A.	IM		2	1	1			4
Elias, R.	IM		1			1	1	3
Mendonça, E.	IM		1				2	3
Guerreiro, O.	IM						3	3
Amorim, I.	IM		1		1			2
Aranda, S.C.	IM		1				1	2
Hortal, J.	ARF				2			2
Marcelino, J.	IM		1		1			2
Neilson, A.L.	IM	1					1	2
Parmakelis, A.	ARF				2			2

Rigal, F.	IM		2		2
Santos, A.M.C.	ARF		2		2
Simões, A.	IM	1		1	2
São Marcos, R.	IM			2	2
Silva, P.	IM			2	2
Neves, I.	IM			2	2
Barreiros, J.P.	IM			1	1
Borges, A.	IM			1	1
Borges, I.	IM			1	1
Carvalho, R.	IM	1			1
Coelho, M.	IM	1			1
Crespo, L.C.	IM		1		1
Faria, C.	IM		1		1
Ferreira, F.	IM	1			1
Ferreira, M.T.	IM	1			1
Florencio Díaz, M.	IM			1	1
Gaspar, C.	ARF		1		1
Henriques, D.	IM	1			1
Jiménez-Valverde, A.	ARF		1		1
Lobo, J.	ARF			1	1
Nunes, L.	ARF			1	1
Nunes, R.	IM	1			1

Part II - PUBLICATIONS

INTERNATIONAL PEER REVIEWED PAPERS

2012 (n= 45)

By at least one integrated member (n = 31)

1. **Amorim, I.**, Emerson, B.C, **Borges, P.A.V.** & Wayne, R.K. (2012). Phylogeography and molecular phylogeny of Macaronesian island *Tarphius* (Coleoptera: Zopheridae): why so few species in the Azores?. *Journal of Biogeography*, **39**: 1583–1595. DOI:10.1111/j.1365-2699.2012.02721.x (IF: 4.544) **(P001)**
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4. Boieiro, M., **Rego, C.**, Serrano, A.R.M. & Espadaler, X. (2012) Seed production and pre-dispersal reproductive losses in the narrow endemic *Euphorbia pedroi* (Euphorbiaceae). *Plant Ecology*, **213**: 581-590. DOI: 10.1007/s11258-012-0023-7 (IF: 1.829) **(P003)**
5. Borda-de-Água, L., **Borges, P.A.V.**, Hubbell, S. & Pereira, H. (2012). Spatial scaling of species abundance distributions. *Ecography*, **35**: 549–556. DOI: 10.1111/j.1600-0587.2011.07128.x (IF: 4.188) **(P020)**
6. **Borges, P.A.V.**, **Cardoso, P.**, **Amorim, I.**, **Pereira, F.**, Constância, J.P., Nunes, J.C., Barcelos, P., Costa, P., **Gabriel, R.** & Dapkevicius, M.L. (2012). Volcanic Caves: Priorities for Conserving the Azorean Endemic Troglobiont Species. *International Journal of Speleology*, **41**: 101-112. DOI: 10.5038/1827-806X.41.1.11 (IF: 2.000) **(P004)**
7. Calabria, G., Dolgova, O., **Rego, C.**, Castañeda, L., Rezende, E., Balanya, J., Pascual, M.,

- Sørensen, J., Loeschcke, V. & Santos, M. (2012). Hsp70 protein levels and thermotolerance in *Drosophila subobscura*: a reassessment of the thermal co-adaptation hypothesis. *Journal of Evolutionary Biology*, **25**: 691-700. DOI: 10.1111/j.1420-9101.2012.02463 (IF: 3.276) **(P005)**
8. **Cardoso, P.** (2012) Habitats Directive species lists: urgent need of revision. *Insect Conservation and Diversity*, **5**: 169-174. DOI: 10.1111/j.17524598.2011.00140.x (IF: 2.717) **(P021)**
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 10. **Cardoso, P., Borges, P.A.V., Triantis, K., Ferrández, M.A. & Martín, J.L.** (2012). The under-representation and misrepresentation of invertebrates in the IUCN Red List. *Biological Conservation*, **149**: 147-148. DOI:10.1016/j.biocon.2012.02.011 (IF: 4.115) **(P407)**
 11. Carvalho, J.C., **Cardoso, P.** & Gomes, P. (2012) Determining the relative roles of species replacement and species richness differences in generating beta-diversity patterns. *Global Ecology and Biogeography*, **21**: 760–771. DOI: 10.1111/j.1466-8238.2011.00694.x (IF: 5.145) **(P022)**
 12. Carvalho, J.C., **Cardoso, P., Crespo, L.C.,** Henriques, S., Carvalho, R. & Gomes, P. (2011) Determinants of spider species richness in coastal dunes along a gradient of mediterraneity. *Insect Conservation and Diversity*, **5**: 127-137. DOI: 10.1111/j.1752-4598.2011.00139.x (IF: 2.717) **(P023)**
 13. **Fattorini, S., Cardoso, P., Rigal, F. & Borges, P.A.V.** (2012). Use of Arthropod Rarity for Area Prioritisation: Insights from the Azorean Islands. *PLoS ONE* 7(3): e33995. DOI:10.1371/journal.pone.0033995 (IF: 4.092) **(P009)**
 14. **Fattorini, S. & Borges, P.A.V.** (2012). Species-area relationships underestimate extinction rates. *Acta Oecologica*, **40**: 27-30. DOI:10.1016/j.actao.2012.02.006 (IF: 1.57) **(P008)**.
 15. **Fattorini, S. & Borges, P.A.V.** (2012). Biogeographical kinetics on a island volcano (Capelinhos, Azores): fast colonization rates and dominance of arthropod exotic species. *Insect Conservation and Diversity*, **5**: 358–366. DOI: 10.1111/j.1752-4598.2011.00169.x (IF: 1.705) **(P025)**
 16. Feest, A. & **Cardoso, P.** (2012) The comparison of site spider “biodiversity quality” in Portuguese protected areas. *Ecological Indicators*, **14**: 229-235. DOI:

10.1016/j.ecolind.2011.08.015. (IF: 2.695) (P034)

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18. **Garcia, P.,** Linhares, D., Amaral, A.F.S. & Rodrigues, A. (2012). Exposure of thermoelectric power-plant workers to volatile organic compounds from fuel oil: Genotoxic and cytotoxic effects in buccal epithelial cells. *Mutation Research/Genetic Toxicology and Environmental Mutagenesis*, **747**: 197-201. DOI: 10.1016/j.mrgentox.2012.05.008 (IF: 3.035) (P010)
19. **Gil, A.,** Fonseca, C., Lobo, A. & Calado, H. (2012). Linking GMES Space Component to the development of land policies in Outermost Regions - the Azores (Portugal) case-study. *European Journal of Remote Sensing*, **45**: 263-281. DOI: 10.5721/EuJRS20124524 (IF: 0.241) (P238)
20. Grez, A.A., Viera, B. & **Soares, A.O.** (2012). Biotic interactions between *Eriopis connexa* and *Hippodamia variegata* (Coleoptera: Coccinellidae), a native and an exotic species associated with alfalfa fields in Chile. *Entomologia Experimentalis et Applicata*, **142**: 36-44. DOI: 10.1111/j.1570-7458.2011.01202.x. (IF: 1.535) (P011)
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22. Pekár, S., Šmerda, J., Hrušková, M., Šedo, O., Muster, C., **Cardoso, P.,** Zdráhal, Z., Korenko, S., Bureš, P., Líznarová, E. & Sentenská, L. (2012) Prey-race seems to drive diversification of ant-eating spiders. *Journal of Animal Ecology*, **81**: 838-848. DOI: 10.1111/j.1365-2656.2012.01957.x (IF: 4.937) (P015)
23. Rodrigues, P., Aubrecht, C., **Gil A.,** Longcore, T. & Elvidge, C. (2012). Remote sensing to map influence of light pollution on Cory's shearwater in São Miguel Island, Azores Archipelago. *European Journal of Wildlife Research*, **58**: 147-155. DOI 10.1007/s10344-011-0555-5 (IF: 1.306) (P030)
24. Rodrigues, A.S., Arruda, M.S.C. & **Garcia, P.V.** (2012). Evidence of DNA damage in humans inhabiting a volcanically active environment: a useful tool for biomonitoring. *Environment International*, **49**: 51-56. DOI:

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25. Serrano, AR.M., Aguiar, C.A.S., Boieiro, M., **Borges, P.A.V., Rego, C., Amorim, I.R., Ribeiro, S.P. & Pereira, F.** (2012). Synonymy of *Orthomus susanae* Serrano & Borges, 2009 with *Orthomus annae* (Donabauer, 2008). *Zootaxa*, **3219**: 67-68. (IF: 0.927) (P236)
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27. **Triantis, K.A., Guilhaumon, F.** & Whittaker, R.J. (2012). The island species–area relationship: biology and statistics. *Journal of Biogeography*, **39**: 215-231. DOI:10.1111/j.1365-2699.2011.02652.x (IF: 4.544) (P033)
28. **Triantis, K., Hortal, J., Amorim, I., Cardoso, P., Santos, A.M.C., Gabriel, R. & Borges, P.A.V.** (2012). Resolving the Azorean knot: a response to Carine & Schaefer (2010). *Journal of Biogeography*, **39**: 1179–1184. DOI: 10.1111/j.1365-2699.2011.02623.x (IF: 4.544) (P032)
29. Vardinoyannis, K., Demetropoulos, S., Mylonas, M., **Triantis, K.A.**, Makris, C., Georgiou, G., Wiktor, A., Demetropoulos, A. (2012). Terrestrial slugs (Gastropoda, Pulmonata) in the NATURA 2000 areas of Cyprus island. *ZooKeys*, **174**: 63-77. DOI: 10.3897/zookeys.174.2474 (IF: 0.879) (P447)
30. **Vieira, V.** (2012). Primeira citação de *Utetheisa pulchella* (Linnaeus, 1758) para a ilha de São Miguel, Açores (Portugal) (Lepidoptera: Noctuidae). *SHILAP Revista de Lepidopterologia* **40**(157): 107-112. (IF: 0.312) (P412)
31. Whittaker, R.J. & **Triantis, K.A.** (2012). The species–area relationship: an exploration of that “most general, yet protean pattern”. *Journal of Biogeography*, **39**: 623-626. DOI:10.1111/j.1365-2699.2012.02692.x (IF: 4.544) (P417)

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- 1) Baiocchi, S., **Fattorini, S.**, Bonavita, P. & Vigna Taglianti, A. (2012). Patterns of beta diversity in riparian ground beetle assemblages (Coleoptera Carabidae): A case study in the River Aniene (Central Italy). *Italian Journal of Zoology*, **79**: 136-150. DOI: 10.1080/11250003.2011.621071 (IF: 0.939) (P019)
- 2) Basset, Y., Cizek, L., Cuénoud, P., Didham, R.K., Guilhaumon, F., Missa, O., Novotny,

- V., Ødegaard, F., Roslin, T., Schmidl, J., Tishechkin, A.K., Winchester, N.N., Roubik, D.W., Aberlenc, H.-P., Bail, J., Barrios, H., Bridle, J.R., Castaño-Meneses, G., Corbara, B., Curletti, G., Duarte da Rocha, W., Bakker, Domir De, Delabie, J.H.C., Dejean, A., Fagan, L.L., Floren, A., Kitching, R.L., Medianero, E., Miller, S.E., Oliveira, E.G., Orivel, J., Pollet, M., Rapp, **Ribeiro, S.P.**, Roisin, Y., Schmidt, J.B., Sørensen, L., Leponce, M. (2012). Arthropod diversity in a tropical forest. *Science*, **338**: 1481-1484. DOI: 10.1126/science.1226727 (IF: 31.20) **(P470)**
- 3) Carine, M.A., Jones, K., Moura, M., Belo Maciel, M.G., Rumsey, F.J. & **Schaefer, H.** (2012). Putting biogeography's cart back behind taxonomy's horse: a response to Triantis et al. *Journal of Biogeography*, **39**: 1184-1187. DOI:10.1111/j.1365-2699.2012.02736.x (IF: 4.544) **(P237)**.
- 4) Désamoré, A., Laenen, B., Stech, M., Papp, B., Hedenäs, L., Mateo, R. & **Vanderpoorten, A.** (2012). How do temperate bryophytes face the challenge of a changing environment? Lessons from the past and predictions for the future. *Global Change Biology*, **18**: 2915-2924. DOI: 10.1111/j.1365-2486.2012.02752.x (IF: 6.862) **(P432)**
- 5) **Fattorini, S.** & Baselga, A. (2012). Species richness and turnover patterns in European tenebrionid beetles. *Insect Conservation and Diversity*, **5**: 331–345. DOI: 10.1111/j.1752-4598.2011.00164.x (IF: 1.705) **(P024)**
- 6) **Fattorini, S.**, Maurizi, E. & Giulio, A. Di (2012). Tackling the taxonomic impediment: a global assessment for the ant-nest beetle diversity (Coleoptera, Carabidae, Paussini). *Biological Journal of the Linnean Society*, **105**: 330–339. DOI: 10.1111/j.1095-8312.2011.01810.x (IF: 2.193) **(P026)**
- 7) **Fattorini, S.**, Santoro, R., Maurizi, E., Acosta, A.T.R., Giulio, A. Di (2012) Environmental tuning of an insect ensemble: the tenebrionid beetles inhabiting a Mediterranean coastal dune zonation. *Comptes rendus Biologie*, **335**: 708–711. DOI: 10.1016/j.crv.2012.09.009 (IF: 1.533) **(P462)**
- 8) **Fattorini, S.**, Dennis, R.L.H. & Cook, L.M. (2012). Use of cross-taxon congruence for hotspot identification at regional scale. *PLoS ONE* 7(6): e40018. DOI:10.1371/journal.pone.0040018. (IF: 4.092) **(P426)**
- 9) **Fattorini, S.** & Ulrich, W. (2012). Spatial distributions of European Tenebrionidae point to multiple postglacial colonization trajectories. *Biological Journal of the Linnean Society*, **105**: 318–329. DOI: 10.1111/j.1095-8312.2011.01797.x (IF:

2.193) (P027)

- 10) **Fattorini, S.** & Ulrich, W. (2012). Drivers of species richness in European Tenebrionidae (Coleoptera). *Acta Oecologica*, **40**: 27-30. DOI: 10.1016/j.actao.2012.05.003. (IF: 1.570) (P425)
- 11) **Guilhaumon, F.**, Krasnov B.R., Poulin, R., Shenbrot, G.I. & Mouillot, D. (2011). Latitudinal mismatches between the components of mammal-flea interaction networks. *Global Ecology and Biogeography*, **21**: 725–731. DOI: 10.1111/j.1466-8238.2011.00714.x (IF: 5.145) (P028)
- 12) **Guilhaumon, F.**, Basset, A., Barbone, E. & Mouillot, D. (2012) Species-area relationships as a tool for the conservation of benthic invertebrates in Italian coastal lagoons. *Estuarine Coastal and Shelf Science*, **114**: 50-58. DOI: 10.1016/j.ecss.2011.12.001 (IF: 2.247) (P012)
- 13) **Jiménez-Valverde, A.** (2012). Insights into the area under the receiver operating characteristic curve (AUC) as a discrimination measure in species distribution modelling. *Global Ecology and Biogeography*, **21**: 498–507. DOI: 10.1111/j.1466-8238.2011.00683.x (IF: 5.145) (P029)
- 14) Strona, G., Galli, P., Montano, S., Seveso, D. & **S. Fattorini** (2012). Global-scale relationships between colonization ability and range size in marine and freshwater fish. *PLoS ONE* (11): e49465. doi:10.1371/journal.pone.0049465 (IF: 4.092) (P466)

BOOKS

2012 (n= 1)

By at least one integrated member (n = 1)

- 1) **Gabriel, R.** (Ed.) (2012). *Abordagens do Ambiente em Contexto Educativo*. Príncipeia, 416 pp. ISBN: 978-989-716-045-5 (P083)

BOOK CHAPTERS

2012 (n= 7)

By at least one integrated member (n = 7)

- 2) Ávila, S.P.A., Arroz, A.M. & Gabriel, R. (2012). **Em Defesa do Ambiente! - uma análise de conteúdo das medidas propostas por alunos do 2º Ciclo do Ensino Básico nas PASE de Língua Portuguesa.** In R. Gabriel (Ed.), *Abordagens do ambiente em contexto educativo.* (cap. 4). pp. 291-368. São João do Estoril: Príncípia. **(P115)**
- 3) Cordeiro, L., Arroz, A. M. & Gabriel, R. (2012). **O ambiente sob o signo da infância: diversidade de conceitos e expectativas face ao futuro.** In R. Gabriel, (Eds.), *Abordagens do ambiente em contexto educativo* (cap. 4). pp. 177-289. São João do Estoril: Príncípia. **(P116)**
- 4) Evans, E.W., Soares, A.O. & Yasuda, H. (2012). **Invasions by ladybugs, ladybirds, and other predatory Coleoptera.** In: *Invasive Alien Arthropod Predators and Parasitoids: An Ecological Approach* (Roy, H., De Clercq, P., Handley, L.-J. L., Sloggett, J.L., Poland, R. & Wajnberg, E. Eds.), pp. 223-238, Springer, Dordrecht. **(P088)**
- 5) Neilson, A.L., Blomberg, G., & Gabriel, R. (2012). **Spirited practice of transformative education for sustainability.** In: Arjen Wals & Peter Blaze Corcoran (Eds.). *Learning for sustainability in times of accelerating change.* pp. 269-282. Wageningen University Press, Wageningen, NL **(P097)**
- 6) Neilson, A. L., Cardwell, E. & Bulhão Pato, C. (2012). **Coastal fisheries in the Azores, Portugal – A question of sovereignty, sustainability and space.** In: Klaus Schriewer & Thomas Højrup (Eds.) *Fisheries at a tipping-point*, pp. 465-505. Murcia, Es: Universidad de Murcia. **(P445).**
- 7) Pacheco, C.G., Sousa, F.R.S. & Gabriel, R. (2012). **«As crianças ainda são imaturas» – Perspetivas dos educadores de infância sobre a abordagem de temáticas**

ambientais nos jardins de infância dos Açores. In R. Gabriel. (Ed.), *Abordagens do ambiente em contexto educativo.* (cap. 3), pp. 119-175. São João do Estoril: Príncipeia. **(P114)**

- 8) Terroso, C., **Borges, P.A.V.**, Gonzalez, P. & Gabriel, R. (2012). **Perspectivas dos educadores de infância sobre concepções e práticas da educação ambiental.** In R. Gabriel (Ed.), *Educação ambiental: a perspectiva das crianças* (cap. 2), pp. 57-117. São João do Estoril: Príncipeia. **(P113)**

OTHER PEER REVIEWED PAPERS

2012 (n = 6)

By at least one integrated member (n = 5)

- 1) Ben-Dov, Y., **Soares, A.O. & Borges, I.** (2012). New Data on armoured scale insects (Hemiptera, Coccoidae, Diaspididae) from the Azores islands. *Arquipélago. Life and Marine Sciences*, **29**: 67-68. **(P484)**
- 2) Boieiro, M., Aguiar, C., Barrinha, C., Faria e Silva, I., **Amorim, I.R., Borges, P.A.V., Cardoso, P., Pereira, P., Rego, C.,** Menezes, D., **Ribeiro, S.P.** & Serrano, A.R.M. (2012). New data on the spatial distribution of endemic ground beetles (Coleoptera: Carabidae) from Madeira Island. *Arquipélago Life and Marine Sciences*, **29**: 15-23. **(P235)**
- 3) **Crespo, L.C.** & Muster, C. (2012). *Philodromus pinetorum* Muster, 2009 (Araneae: Philodromidae), new to the Iberian spider fauna. *Revista Ibérica de Aracnologia (S.E.A)*, **21**: 59-60. **(P480)**
- 4) **Neilson, A. L.,** Bulhão Pato, C., & Sousa, L. (2012). A short reflection on research and fishing cultures performing knowledge together. *Revista Maria Scientia*, **2**: 73-82. **(P446)**
- 5) **Vieira, V.** (2012). Teratologias alar e abdominal observadas em *Sympetrum fonscolombii* (Sélys, 1840) (Odonata: Libellulidae) dos Açores. *Boletín de la Sociedad Entomológica Aragonesa (S.E.A)*, **50**: 541-542. **(P433)**

By Associate Research Fellows only (n = 1)

- 1) Maurizi, E., **Fattorini, S.**, Moore, W. & Giulio, A. Di (2012). Behavior of *Paussus favieri* (Coleoptera, Carabidae, Paussini): A Myrmecophilous Beetle Associated with *Pheidole pallidula* (Hymenoptera, Formicidae). *Psyche*, **2012**: Article ID 940315, 9 pages. DOI: 10.1155/2012/940315 **(P414)**

PAPERS ON PROCEEDINGS OF SYMPOSIA

2012 (n = 4)

By Associate Research Fellows only (n = 4)

- 2) Duarte, S., Taylor, A.M., Kim, J-W., Lloyd, J.D., Duarte, M. & **Nunes, L.** (2012). **Decay factors in termite in-ground monitoring stations**. Proceedings IRG Annual Meeting (ISSN 2000-8953), Kuala Lumpur, Malaysia, The International Research Group on Wood Protection pp 1-10. **(P422)**
- 3) Duarte, S., Welzbacher, C.R., Duarte, M. & **Nunes, L.** (2012). **Assessment of Thermally Modified Timber (TMT) through Subterranean Termites Feeding Behaviour**. Proceedings of the Sixth European Conference on Wood Modification 2012, Ljubljana, Slovenia. pp 235-238. **(P458)**
- 4) Henriques, D.F, Brito, J. & **Nunes, L.** (2012). ***In-situ* experimental treatment and consolidation of degraded timber elements from a XIX century building**. Proceedings IRG Annual Meeting (ISSN 2000-8953), Kuala Lumpur, Malaysia, The International Research Group on Wood Protection pp 1-9. **(P421)**
- 5) Ribeiro, D., Garrett, J.A., Duarte, S., **Nunes, L.** & Machado, J.S. (2012). **Probability of damage in timber structures by monitoring of biological activity – monitor project**. Proceedings Icds12-International Conference, Lisbon, Portugal. **(P429)**

OTHER TYPE OF PUBLICATIONS

2012 (n = 9)

By at least one integrated member (n = 6)

- 1) Barreiros, J.P.. (2012). Extinções, evolução e o impacto de Homo sapiens a partir do ano 1000 a.d.. *Atlântida* **62**:: (P463)
- 2) Cardoso, P.A.V. & Borges, P.A.V. (2012). Os sete pecados na conservação dos invertebrados. *UAciência, Açores Magazine*, pp. 26-27. (P472)
- 3) Ferreira, M.T., Borges, P.A.V. & Scheffrahn, R.H. (2012). Introdução da térmita da madeira seca *Cryptotermes brevis* (Walker) nos Açores. *UAciência, Açores Magazine*, pp. 26-27. (P471)
- 4) Gil, A. (2012). Vigiando o ambiente terrestre açoriano desde o espaço. *UAciência, Açores Magazine*, pp. 26-27. (P459)
- 5) Jorge, J.C., Moura, M., Neto, A.I., Gabriel, R., Constância, J.P. & Silva, L. (2012). *As Plantas e os Cientistas: Catálogo da Exposição "À Descoberta da História Botânica dos Açores"*. Universidade dos Açores, Direcção Regional da Ciência, Tecnologia e Comunicações & Museu Carlos Machado., 72 pp. (P423)
- 6) Vieira, V., T. Teixeira, M. Teixeira & L. Oliveira (2012). Novos Dados sobre Lepidópteros, Odonatos e Himenópteros (Insecta) da Ilha de São Jorge, Açores. *Relatórios e Comunicações do Departamento de Biologia*, **40**: 103-112. (P486)

By Associate Research Fellows only (n = 3)

- 1) Fattorini, S. (2012) Book Reviews C. Dytham (2011) *Choosing and Using Statistics: A Biologist's Guide, Third edition*, Wiley-Blackwell, John Wiley & Sons, Inc., Chichester, UK. 298 pp., Price £24.99 / € 30.00 paperback, ISBN: 978-1-4051-9839-4. *Biological Conservation*, **147**: 276 (IF: 4.115) (P321)
- 2) Fattorini, S. (2012) Book Reviews C. Barry Cox and Peter D. Moore (2010) *Biogeography: An ecological and evolutionary approach, Eighth edition*,

John Wiley & Sons, Inc., Hoboken, NJ (2010). 498 pp., price £36.99 / €44.40 paperback, ISBN: 978-0-470-63794-4. *Biological Conservation*, 148: 221. (IF: 4.115) **(P323)**

- 3) Fattorini, S. (2012) Book Reviews Wilson, W.G. – 2011 - Constructed Climates: A Primer on Urban Environments, William G. Wilson.** The University of Chicago Press. ISBN: 978-0-226-90146-6. *Biological Conservation*, **147**: 277. **(P485)**

Overall publication contribution by author (IM – Integrated Member; ARF - Associate Research Fellows)

Authors		ISI Journal	Book Editor	Chapters - Books	Papers - Others	Other type of public.	Proceed. Symposia	Total
Borges, P.A.V.	IM	11		1	1	2		15
Fattorini, S.	ARF	11			1	3		15
Cardoso, P.	IM	10			1	1		12
Gabriel, R.	IM	2	1	5		1		9
Triantis, K.A.	IM	6						6
Amorim, I.	IM	4			1			5
Nunes, L.	ARF	1					4	5
Rego, C.	IM	3			1			4
Gil, A.	IM	2				1		3
Neilson, A.L.	IM			2	1			3
Pereira, F.	IM	2			1			3
Soares, A.O.	IM	1		1	1			3
Vieira, V.	IM	1			1	1		3
Guilhaumon, F.	ARF	3						3
Ribeiro, S.P.	ARF	2			1			3
Scheffrahn, R.H.	ARF	2				1		3
Arroz, A.M.	IM			2				2
Crespo, L.C.	IM	1			1			2
Ferreira, M.T.	IM	1				1		2
Garcia, P.	IM	2						2
Rigal, F.	IM	2						2
Aranda, S.C.	IM	1						1
Barreiros, J.P.	IM				1			1
Borges, I.	IM				1			1
Hortal, J.	ARF	1						1
Jiménez-Valverde, A.	ARF	1						1
Santos, A.M.C.	ARF	1						1

Schaefer, H.	ARF	1	1
Vanderpoorten, A.	ARF	1	1

“AZOREAN BIODIVERSITY GROUP” AWARDS

“The Most Productive Young Researcher 2012” Award – Pedro Cardoso

(This prize will be awarded every year to the most productive young researcher of the ABG Group)

Pedro Cardoso was the most productive young researcher of the ABG Group, with about 12 ISI papers in 2012 and about 30 ISI papers in the last three years. Pedro Cardoso is a Community Ecologist who spent the last six years of research as Post-Doc in ABG and also in the Smithsonian Museum. He has a Ph.D. by the University of Lisbon – Faculty of Sciences, Portugal (Supervised by Artur Serrano) and in September of 2012 started a new position in the Natural History Museum of Helsinki (Univ. of Helsinki, Finland).

“BALA –Biodiversity of Arthropods from Laurisilva of Azores 2012” Award – Clara Saraiva Gaspar

(This prize will be awarded every year to the most influent researcher generating data or analyses in the BALA Project)

Clara Gaspar started her scientific career in Azores as one of the team members of Project BALA. Clara Gaspar leaded in the last 12 years the development of several taxonomic, ecological and trait databases of crucial importance for the research of the Group. She has a Ph.D. by the University of Sheffield, U.K. (Supervised by Kevin Gaston and Paul A. V. Borges) and is currently doing a Post-Doc in Science Communication.

“The Azorean Biodiversity Group Engagement 2012” Award – Enésima Mendonça

Enésima Mendonça has led in the last six years the creation and management of the ATLANTIS database that is the support of the Azorean Biodiversity Portal. She is also coordinating many activities within the ABG being influential in the success of the Group. Enésima took her Bsc in the University of Azores, Portugal and is about to submit her MSc thesis this year.

“The Events 2012” Award – Carla Rego

(This prize will be awarded every year to the investigator that led an event of high relevance promoting the visibility of ABG)

Carla Rego is a Post-Doc of the ABG working on molecular ecology. She has a BSc and Ph.D. by the University of Lisbon – Faculty of Sciences, Portugal. She led this year the organization of the most important event, the XV Iberian Congress of Entomology that occurred in Angra do Heroísmo, Terceira Island, Azores (2-6 September) with about 130 participants.

“The Linnaean Prize 2012” – Artur R. M. Serrano

(This prize was awarded this year by the occasion of the Iberian Congress of Entomology to highlight the importance of taxonomic studies for the advance of ecological studies).

Artur Serrano is a leading Carabidae taxonomist in Portugal and Europe with also an expertise on ground-beetle ecology. Artur took his Ph.D in Zoology by the University of Lisbon, Portugal where he rapidly progressed as leading taxonomist in Carabidae. His studies also include biodiversity inventories in Madeira archipelago and collaboration with the ABG in the BALA project. He is contributing to solve the Linnaean shortfall.