

## Curriculum vitae

### **Dra. Mena-Daniela Schemm-Gregory**

Plettenberg (Germany), 11 November 1976 – Coimbra (Portugal), 8 July 2013

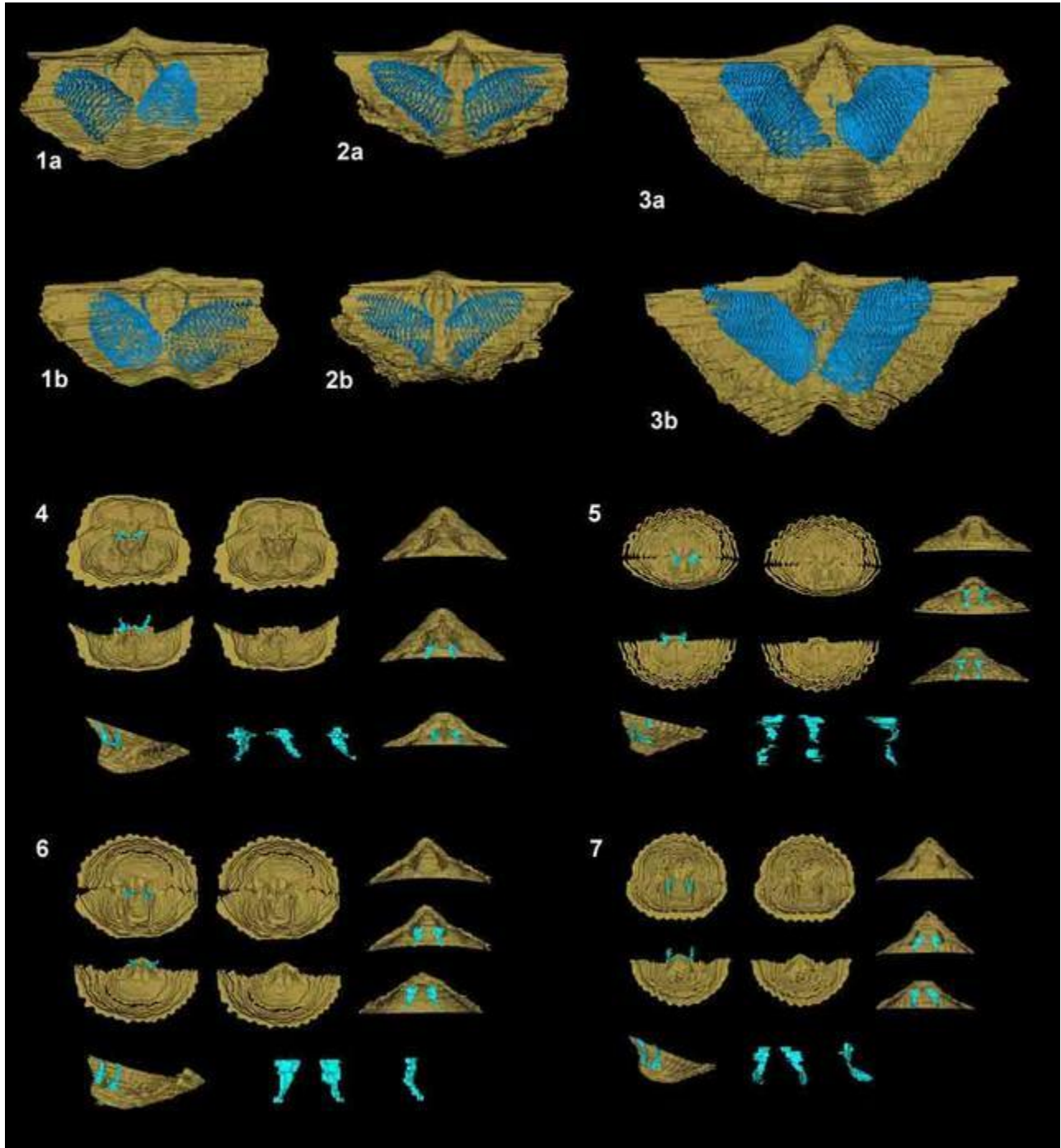
nationality: German



### **Research Interests**

- Phylogeny and taxonomy of Paleozoic and Mesozoic Brachiopods
- Evolution and Brachiopod Biostratigraphy
- Paleobiogeography during the Paleozoic and Mesozoic
- Three-dimensional reconstruction techniques

### Three-dimensional reconstruction techniques



**Figure:** Examples of 3D reconstructions of Lower Devonian Spiriferids (1: *Intermedites intermedius*, 2: *Rostrspirifer tonkinensis*, 3: *Otospirifer shipaiensis*) and taxa of the Middle Devonian Rhynchonellid genus *Daghanirhynchia*.

## CV

### Education

- 2006-2009      Ph.D. student at the Senckenberg Research Institute
- Ph.D. project: "Phylogeny of Delthyridoidea"  
                    Doctoral thesis: "Phylogeny, Taxonomy and Palaeobiogeography of delthyridoid Spiriferids (Brachiopoda, Silurian and Devonian)" at the Goethe-Universität Frankfurt
- 2004            Certificado de Español (European Language Certification Spanish)
- 2003            Certificado de Português (European Language Certification Portuguese)
- 2002-2004      Diploma thesis at the Senckenbergn Forschungsinstitut und Naturmuseum and the Philipps-Universität Marburg: "Die Spiriferidenfauna des Emsquarzits (Unter-Devon, Rheinisches Schiefergebirge)"
- 2001-2004      Philipps-Universität Marburg, Marburg an der Lahn, Study of Italian Philology
- 2000-2004      Philipps-Universität Marburg, Marburg an der Lahn, Study of Spanish and Portuguese Philology
- 1996-2004      Philipps-Universität Marburg, Marburg an der Lahn, Study of Geology and palaeontology
- 1998: intermediate diploma of geology and palaeontology
- 2004: diploma of geology and palaeontology
- 1987-1996      High School: St.Ursula gymnasim (Attendorn, Germany)
- (1994: Latin proficiency examination)

### Education abroad

- 1991: German-English school to school exchange (Maidston Girls Grammar School)
- 1993: German-New Zealand school to school exchange (Villa Maria College)
- 1994: German-American school to school exchange (Bowling Green Highschool)
- 2000: practical training of palaeontology at the Museo de Ciencias Naturales de San Juan, Argentina
- 2001: Curso de Paleontología de Dinosaurios at the Universidad de La Rioja, Spain

## Language Skills

German

English

Spanish

Portuguese

Italian

Galician

French

Latin

## Working experiences

- 02.2011 - 01.2014 Post-Doc position at the Universidade de Coimbra (FCT)
- 06.2010 - 01.2011 Post-Doc position at the Universidade de Coimbra and Universidade de Trás-os-Montes e Alto Douro, Portugal (DAAD)
05. - 06.2010 Research visit at the Smithsonian Tropical Research Institute, Panama City, Republic of Panama
- 05.2008 Contractor at the Museum of Comparative Zoology/Harvard University, Cambridge, USA
- 08.2006 - 12.2009 Scientific researcher at the Forschungsinstitut und Naturmuseum Senckenberg, Germany [DFG]
01. - 06.2007 Adjunct Professor for Historical Geology at SUNY New Paltz, New York, USA
01. - 04.2005 Scientific researcher at the Senckenberg Forschungsinstitut und Naturmuseum, Germany
- 05.2005 - 11.2005 Scientific researcher at the Senckenberg Forschungsinstitut und Naturmuseum, Germany
- Project: Devonian Brachiopods of the Western Sahara, Morocco
- Project: Upper Siegenian Brachiopods of the Rhenish Slate Mountains
- Project: Study of Devonian Spiriferids from Germany and South China
- 15.08. - 15.09.1999 Student assistant at the Philipps-Universität Marburg, Marburg an der Lahn, Germany

## Teaching

2007 - 2009	Supervisor of student internships in brachiopodology at the Senckenberg Forschungsinstitut und Naturmuseum, Germany
01. - 06.2007	Lecture Historical Geology (4 credits) at SUNY New Paltz, USA
2006 – 2010	Supervision of students of the Senckenberg School in laboratorial work at the Senckenberg Forschungsinstitut und Naturmuseum, Germany

## Awards and fellowships

### 2011

- DE-TAF-1111: Diversity patterns of the Lower Devonian brachiopod fauna from the Lusitanian Basin (Central Portugal) [Synthesys]

### 2010

- Post doc position "Devonian Brachiopods from Portugal: The importance of classical collections for modern paleontology" [FCT]
- DE-TAF-1111: Late Jurassic brachiopods from Ethiopia – survivors of the past? [Synthesys]
- Short time post doc position "Revision of type material of Brachiopod collections from the Lower to Middle Jurassic of the Lusitanian Basin (Portugal)" [DAAD]
- The Palaeontological Research Fund: "Revision of the Devonian brachiopod fauna from Devon and Cornwall (UK)" [Palaeontological Society]

### 2009

- Travel support to the 6th International Brachiopod Congress in Melbourne and field trip in New South Wales (Australia) [Sir Alwyn William Fund]

### 2008

- GB-TAF-5141: Character analysis and relationships of the Devonian Brachiopod Australospirifer [Synthesys]
- Travel support to the IGCP 499 Business Meeting and SDS Joint Field Meeting in KITAB (Uzbekistan) [IGCP 499] Research grant to visit the US [Zonta Club Frankfurt]
- Charles Schuchert and Charles O. Dunbar Grant [Peabody Museum of Natural History/Yale University, USA]

## 2007

- Charles Schuchert and Charles O. Dunbar Grant [Peabody Museum of Natural History/Yale University, USA]
- Lerner Gray Award [American Museum of Natural History, New York, USA]

## 2006

- Excursion (Xinjiang) and research visit in Beijing (PR China) [DFG]

## 2005

- Travel support for congress, excursion and research collaboration in Novosibirsk and Siberia (Russia) [DFG]

## Prizes

2007 Second best poster at the GSA Annual Meeting & Exposition in Denver, Colorado (USA)

## Reviewer for Scientific Journals

Acta Palaeontologica Polonica

Bollettino della Società Paleontologica Italiana

Bulletin of Geosciences

Cretaceous Research

GeoArabia

Memoires of the Association of Australasian Palaeontologists

Memórias e Notícias

Paläontologische Zeitschrift

## Professional Memberships

Paläontologische Gesellschaft

Palaeontological Association

Paleontological Society

Nassauischer Verein für Naturkunde

Sociedad Española de Paleontología

Corresponding Member International Subcommission on Devonian Stratigraphy

## **Invitations to International Meetings**

2010 6th International Brachiopod Congress, Deakin University, Melbourne (Australia): Special session T2  
Howard Brunton symposium: Morphology, evolution and phylogeny.

2009 Palaeozoic Seas Symposium, Graz (Austria)

## **Organisation of Symposia**

2013 Annual Meeting of the Geological Society of America, Denver (Colorado, USA): Topical Session, T  
235. The Importance of Museum Collections for Paleontologic Research; (in collaboration with Dr.  
Howard R. Feldman, American Museum of Natural History, New York, and Dr. Robert B. Blodgett,  
Anchorage, Alaska)

2009 North American Paleontological Convention, University of Cincinnati (Ohio, USA): Symposium S16:  
Palaeozoic brachiopods: morphology, evolution and stratigraphy; (in collaboration with Dr. U.  
Jansen, Senckenberg Forschungsinstitut und Naturmuseum)

## **Invited speaker**

2012 Kolloquium - Universität Zürich, Paläontologisches Institut und Museum

2010 Paleotalk – Center for Tropical Paleoecology and Archeology, Smithsonian Tropical Research  
Institute; Panama City, Republic of Panama.

## Publication list

### Peer-reviewed journals

**Schemm-Gregory, M.** & Henriques, M.H. (2013): Catalogue of the Krantz Brachiopod Collection at the Science Museum of the University of Coimbra (Portugal). - *Zootaxa*, 3677 (1): 1-173.

**Schemm-Gregory, M.** & Henriques, M.H. (2013): The Devonian Brachiopod collections of Portugal - a paleontological heritage. - *Geoheritage*, 5: 107-122. doi: 10.1007/s12371-013-0080-x.

Tessitore, L., **Schemm-Gregory, M.**, Korn, D., Wild, F., Naglik, C. & Klug, C. (2013): Taphonomy and palaeoecology of the green pentamerid Devonian brachiopods from the Aferdou el Mrakib, eastern Anti-Atlas, Morocco. - *Swiss Journal of Paleontology*, 87 (2): 277-288. doi: 10.1007/s13358-012-0050-y.

Zambito, J.J. & **Schemm-Gregory, M.** (2013): Revised Taxonomy and interpretation of Life Position for the Brachiopod genus *Ambocoelia* in the Middle and Late Devonian Northern Appalachian Basin (USA). - *Journal of Paleontology*, 87 (2): 277-288.

**Schemm-Gregory, M.** & Henriques, M.H. (2012): New insights of exceptional preserved *Nannirhynchia pygmaea* (Morris in Davidson & Morris, 1847) from the Lusitanian Basin (Lower Jurassic, Portugal). - *Fossil Record* 15 (2): 77-83. doi: 10.10027/mmng.201200005.

**Schemm-Gregory, M.**, Rojas-Briceño, A., Patarroyo, P. & Jaramillo, C. (2012): First report of *Hadrosia* Cooper, 1983 in South America and its biostratigraphical and paleobiogeographical implications. - *Cretaceous Research*, 34: 257-267. doi: 10.16/j.cretres.2011.11.005.

Feldman, H.R., **Schemm-Gregory, M.**, Ahmad, F. & Wilson, M.A. (2012): Rhynchonellide Brachiopods from the Jordan Valley. - *Acta Palaeontologica Polonica*, 57 (1): 191-204. doi: 10.4202/app.2010.0092.

Franchi, F., **Schemm-Gregory, M.** & Klug, C. (2012): A new species of *Ivdelinia* Andronov, 1961 and its palaeoecological and palaeobiogeographical implications (Morocco, Givetian). - *Bulletin of Geosciences*, 87 (1): 1-11.

**Schemm-Gregory, M.** (2011): *Lusitanispirifer lusitanensis* n. gen. et sp. - A new delthyridoid spirifer and its palaeogeographical implications for the Dornes Syncline (Lower Devonian, Portugal). - *Bollettino della Società Paleontologica Italiana*, 50 (2): 85-94.

**Schemm-Gregory, M.** (2011): The howellellid branches within the delthyridoid spiriferids (Brachiopoda, Silurian to Devonian). - In: Shi, G.R., Weldon, E.A., Percival, I.G., Pierson, R.R. & Laurie, J.R. (eds): *Brachiopods: extant and extinct*. - Proceedings of the Sixth International Brachiopod Congress, 1-5 February, 2010, Melbourne, Australia. *Memoirs of the Association of Australasian Palaeontologists*, 41: 115-128.

**Schemm-Gregory, M.** (2011): A new species of *Neopaulinella* (Brachiopoda, Terebratulida) from the Eastern Iberian Chains, Spain (Lower Devonian). - *Bulletin of Geosciences*, 86 (2): 227-240. doi: 10.3140/bull.geosci.1244.



**Schemm-Gregory, M.** (2011): A new species of *Cyrtospirifer* (Brachiopoda) from the Middle Devonian of the Western Sahara (Northwest Africa). – *Rivista Italiana di Paleontologia e Stratigrafia*, 117(1): 3-13.

Kiessling, W., Aberhan, M., Kumar Pandey, D., **Schemm-Gregory, M.** & Mewis, H. (2011): Marine benthic invertebrates from the Upper Jurassic of northern Ethiopia and their biogeographic affinities. – *Journal of Asian Earth Sciences*, 59: 195-214. DOI: 10.1016/j.jafrearsci.2010.10.006.

**Schemm-Gregory, M.** (2010): *Intermedites* Struve, 1995 (Brachiopoda, Middle Devonian) – Discovery of a South Chinese immigrant. – *Acta Palaeontologica Sinica*, 49(4): 425-438.

**Schemm-Gregory, M.** (2010): *Leonispirifer leonensis* gen. et sp. nov., a rare new delthyridoid spirifer from northern Spain (Brachiopoda, Lower Devonian). – *Paläontologische Zeitschrift*, 84: 345-364. doi: 10.1007/s12542-009-0048-y.

**Schemm-Gregory, M.** & Sutton, M.D. (2010): First report of brachiopod-brachiopod endoparasitism. – *Lethaia*, 43: 112-115. doi: 10.1111/j.1502-3931.2009.00177.x

Harper, D.A.T., Alvarez, F., Boucot, A.J., Williams, A., Wright, T. & **Schemm-Gregory, M.** (2010): Tropicidoleptida (Brachiopoda): Devonian hopeful monsters or misplaced orphans. – *Special Papers in Palaeontology*, 84: 119-136.

**Schemm-Gregory, M.** & Jansen, U. (2009): New implications on the Upper Givetian "Stringocephalus Bed" in Central Nevada (Brachiopoda, Middle Devonian). – *Palaeontographica Americana*, 63: 157-165.

**Schemm-Gregory, M.** (2009): On the genus *Quiringites* Struve, 1992 (Brachiopoda, Middle Devonian). – *Bulletin of the Peabody Museum of Natural History*, 50 (1): 3-20.

**Schemm-Gregory, M.** (2009): Frequentispirifer, a new spiriferid genus and its phylogenetic position within the Delthyridoidea (Brachiopoda, Lower Devonian). – *Neues Jahrbuch für Geologie und Paläontologie – Abhandlungen*, 251 (1): 53-70.

**Schemm-Gregory, M.** (2008): New interpretations of the phylogeny of delthyridoid spiriferids (Brachiopoda, Lower and Middle Devonian). – *Bulletin of Geosciences*, 83 (4): 401-448.

**Schemm-Gregory, M.** (2008): A new delthyridoid spiriferid genus from the Dra Valley, Morocco, and its phylogenetic affinities (Brachiopoda, Lower Devonian). – *Paläontologische Zeitschrift*, 82 (4): 385-401.

**Schemm-Gregory, M.** (2008): A new terebratulid brachiopod species from the Siegenian (middle Lower Devonian) of the Dra Valley, Morocco. – *Palaeontology*, 51 (4): 793-806.

**Schemm-Gregory, M.** (2008): A new species of *Filispirifer* (Brachiopoda: Delthyridoidea) from the Dra Valley, Morocco (Lower Devonian). – *Zootaxa*, 1739: 53-68.

**Schemm-Gregory, M.** & Jansen, U. (2008): First report of the stringocephalid genus *Paracrothyris* (Brachiopoda, Middle Devonian) from North Africa. – *Bulletin of Geosciences*, 83 (2): 169-173.

Jansen, U., **Schemm-Gregory, M.** & Chen Xiuqin (2008): Comparison of some spiriferid brachiopods from the Lower Devonian of South China and Europe. – *Fossils and Strata*, 54: 99-104.

Klug, C., Kröger, B., Rücklin, M., Korn, D., **Schemm-Gregory, M.**, de Baets, K., & Mapes, R.H. (2008): Composition and Ecology of two Early Emsian Faunules from the Tafilalt, (Devonian, Morocco) containing diverse molluscs, the first coiled ammonoids, edrioasteroids, and machaerids. – *Palaeontographica Abt. A*, 283 (4-6): 83-176.

**Schemm-Gregory, M.** & Jansen, U. (2007): A new genus of terebratulid brachiopod from the Siegenian of the Rhenisches Schiefergebirge. – *Acta Palaeontologica Polonica*, 52 (2): 413-422.

Jansen, U., Lazreq, N., Plodowski, G., **Schemm-Gregory, M.**, Schindler, E. & Weddige, K. (2007): Neritic-pelagic correlation in the Lower and basal Middle Devonian of the Dra Valley (S Anti-Atlas, Moroccan Pre-Sahara). – *Geological Society, Special Publications*, 278: 9-37.

**Schemm-Gregory, M.** & Jansen, U. (2006): Annotations to the Devonian Correlation Table, B 124 di 06: Brachiopod biostratigraphy in the Lower Devonian of the Rheinisches Schiefergebirge (Germany) based on the phylogeny of *Arduspirifer* (Delthyridoidea, Brachiopoda). – *Senckenbergiana lethaea*, 86: 113-116.

**Schemm-Gregory, M.** & Jansen, U. (2006): Phylogeny of *Arduspirifer*. – In: K. Weddige (Ed.): Devonian Correlation Table. Ergänzungen 1998. – *Senckenbergiana lethaea*, 86: 121; Tab.-column B 124 di 06.

## Non peer-reviewed journals

**Schemm-Gregory, M.** & Blodgett, R.B. (2012): Alaska Fossil of the Month - First occurrence of the Jurassic brachiopod genus *Sphenorhynchia* in Alaska. - Newsletter of the Alaska Geological Society, 43 (2): 6-7.

**Schemm-Gregory, M.**, Henriques, M.H. & Pena dos Reis, R. (2012): I. Internationaler Kongress der Geowissenschaften in der Gemeinschaft der portugiesisch sprachigen Länder "GeoCPLP 2012" (Coimbra, Portugal). - Gmit, 49: 73-74.

**Schemm-Gregory, M.** (2012): Membership News CM Mena Schemm-Gregory. - SDS Newsletter, 27: 94-95.

**Schemm-Gregory, M.** (2011): Os fósseis vistos por dentro. - Rua Larga, 33: 47.

Jansen, U. & **Schemm-Gregory, M.** (2009): Brachiopoden-Symposium auf der NAPC (Cincinnati, USA). - Gmit, 37: 72-73.

**Schemm-Gregory, M.** & Jansen, U. (2008): *Pleurodictyum problematicum* – Was machte der Wurm in der Koralle? – Natur und Museum, 138 (9/10): 236-237.

Jansen, U. & **Schemm-Gregory, M.** (2008): Graptolithen – 200 Millionen Jahre Formenvielfalt. – Natur und Museum, 138 (5/6): 144-145.

**Schemm-Gregory, M.** & Jansen, U. (2007): *Calceola sandalina* – Die Pantoffel-Koralle. – Natur und Museum, 137 (1/2): 24-25.

**Schemm-Gregory, M.** & Jansen, U. (2007): *Wiwaxia* – ein rätselhaftes Fossil aus dem Burgess Shale. – Natur und Museum, 137 (11/12): 284-285.

**Schemm-Gregory, M.** & Jansen, U. (2005): Die schönsten Muscheln der Erdgeschichte – Die "Dreiecksmuscheln". – Natur und Museum, 135 (5/6): 130-131.

**Schemm-Gregory, M.** & Jansen, U. (2005): *Arduspirifer arduennensis treverorum* n. ssp., eine neue Brachiopoden-Unterart aus dem tiefen Ober-Emsium des Mittelrhein-Gebiets (Unter-Devon, Rheinisches Schiefergebirge). – Mainzer geowissenschaftliche Mitteilungen, 33: 79-100.

Jansen, U. & **Schemm-Gregory, M.** (2005): Der "Korkenzieher-Ammonit" *Hyphantoceras*. – Natur und Museum, 135 (3/4): 78-79.

Jansen, U. & **Schemm-Gregory, M.** (2005): Rätselhafte "Loch-Brachiopoden". – Natur und Museum, 135 (9/10): 232-233.

## Articles in popular scientific books

**Schemm-Gregory, M.** (2012): Reconstruções tridimensionais de fósseis de braquiópodes e implicações taxonómicas. - In: Lopes, F.C., Andrade, A.I., Henriques, M.H., Quinta-Ferreira, M., Barata, M.T., & Pena dos Reis, R. (ccords). Para Conhecer a Terra. Memórias e Notícias de Geociências no Espaço Lusófono. Coimbra University Press, Chapter 23: 223-227.

**Schemm-Gregory, M.** & Henriques, M.H. (2012): A Coleção Kranty de braquiópodes do Museu da Ciência da Unmiversidade de Coimbra. - In: Henriques, M.H., Andrade, A.I., Quinta-Ferreira, M., Lopes, F.C., Barata, M.T., Pena dos Reis, R. & Machado, A. (ccords). Para Conhecer a Terra. Memórias e Notícias de Geociências no Espaço Lusófono. Coimbra University Press, Chapter 24: 231-238.

**Schemm-Gregory, M.** & Feldman, H.R. (2012): Técnicas laboratoriais e computacionais aplciadas ao estudo taxonómico intergrado de braquiópodes. - In: Lopes, F.C., Andrade, A.I., Henriques, M.H., Quinta-Ferreira, M., Barata, M.T., & Pena dos Reis, R. (coords). Para Conhecer a Terra. Memórias e Notícias de Geociências no Espaço Lusófono. Coimbra University Press, Chapter 22: 215-221.

**Schemm-Gregory, M.** (2011): Revision of Devonian Brachiopods from Devon. - Palaeontographical Society Research Fund Reports, Newsletter of the Palaeontographical Society, London, 27; London.

Jansen, U. & **Schemm-Gregory, M.** (2010): Biodiversität devonischer Brachiopoden. – Senckenberg 2007/2008: 46-47; Frankfurt am Main.

## Book reviews

**Schemm-Gregory, M.** (2013): Adaptive Diversification by Michael Doebli, Princeton University Press (Princeton), 2011, 329 p. ISBN 978-0-691-12894-8 (paperback). - Priscum - Newsletter of the Paleontological Societz, 20 (1): 26-27.

## Notes

This version of Mena's CV come from her web page:

[http://www.uc.pt/fctuc/ID/Geo/Sedimentary/Dra\\_Mena\\_Schemm-Gregory](http://www.uc.pt/fctuc/ID/Geo/Sedimentary/Dra_Mena_Schemm-Gregory)

Here it has been re-edited and slightly integrated by Giuseppe Buono.

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