

CURRICULUM VITAE

YURENA YANES

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BIRTHDATE: August 25, 1978, Canary Islands

EDUCATION

- **PhD in Geobiology** (2001–2005), Department of Animal Biology, University of La Laguna, Canary Islands, SPAIN.
- **Masters Degree in Geobiology** (2001–2003), Department of Animal Biology, University of La Laguna, Canary Islands, SPAIN.
- **Bachelors Degree in Biology** (1996–2001), University of La Laguna, Canary Islands, SPAIN.

EMPLOYMENT

- **2009-present:** Postdoctoral Associate [Huffington Department of Earth Sciences, Southern Methodist University (SMU), USA]. **Advisor:** Crayton J. Yapp
Research topics: (1) Stable isotopes in fossil land snail shells as paleoenvironmental indicators; (2) Carbon isotopic composition of atmospheric CO₂ and CO₂ concentration in indoor environments.
- **2007–2009:** Postdoctoral Associate [Department of Geology and Savannah River Ecology Laboratory (SREL), University of Georgia (UGA), USA]. **Advisor:** Christopher S. Romanek
Research topics: (1) Stable isotopes in modern land snails and their relationship with the environment; (2) Stable isotopes in bone collagen as paleodietary indicators in ancient human populations.
- **2005–2007:** Postdoctoral Researcher [Department of Geosciences, Virginia Polytechnique Institute & State University (Virginia Tech), USA]. **Advisor:** Michał Kowalewski
Research topics: (1) Paleobiological data analysis of Quaternary terrestrial gastropod assemblages; (2) Predator-Prey interactions among marine gastropods and their implications for the fossil record.

COMPETITIVE FELLOWSHIPS

- **2009–2012.** Professional researcher: “**JUAN DE LA CIERVA**” program of the Ministry of Science and Innovation (MICINN), Spanish Government (B.O.E.27-02-2008). **Research Centre:** Estación Experimental del Zaidín (EEZ), Consejo Superior de Investigaciones Científicas (CSIC), Granada, SPAIN.
- **2008–2009.** Postdoctoral researcher: “**POSTDOCTORAL FELLOWSHIP**” of the Ministry of Science and Innovation (MICINN), Spanish Government (B.O.E. 13-03-2008). **Research Centre:** Huffington Department of Earth Sciences, Southern Methodist University (SMU), Dallas TX, USA
- **2001–2005.** PhD candidate: “**FORMACIÓN DE PROFESORADO UNIVERSITARIO (FPU)**” program of the Ministry of Education, Culture and Sport (MEC), Spanish Government (B.O.E. 09-01-2001). **Research Centre:** Universidad de La Laguna, La Laguna, Canary Islands, SPAIN.

CURRENT RESEARCH INTEREST

- Stable isotopes in carbonates, water and organic materials (implications in reconstructing the paleoenvironment and paleoclimate)
- Stable isotopes in bone collagen (implications in reconstructing the paleodiet and paleoenvironments of ancient human populations)
- Stable isotopes and concentration of atmospheric CO₂ (implications in the environment and human health)
- Paleoecology and taphonomy of molluscan assemblages (application of paleontological approaches and data to estimate paleoenvironments/paleoclimates).
- Predator-prey interactions between marine gastropods (implications in the fossil record of predation)
- Amino-acid dating of molluscan assemblages (temporal resolution and time-averaging of the fossil record related to rapid climatic and environmental changes)

TEACHING EXPERIENCE

• Undergraduate Courses Taught

Laboratory and Field Course of General Paleontology – Department of Animal Biology, University of La Laguna, Spain (Fall of 2004).

INVITED SEMINAR PRESENTATIONS

- April 2009: Department of Earth Sciences, Southern Methodist University (SMU), USA
- November 2008: Department of Geology, University of Georgia (UGA), USA
- October 2006: Geosciences Department, Virginia Polytechnic Institute & State University (Virginia Tech), USA

PARTICIPATION IN RESEARCH GRANTS

1. **Junta de Andalucía** (Programa de Proyectos de Excelencia) (**RNM-5249**) – *Cuantificación del origen de la contaminación difusa de nitratos en el río Guadalquivir. Estudio isotópico.* **PI:** Antonio Delgado-Huertas. 224.155 €; 2009 – 2013.
2. **Junta de Andalucía (P06-RNM-02362)** – *Huellas isotópicas del cambio global en Andalucía.* **PI:** Antonio Delgado-Huertas. 225.000 €; 2007 – 2010.
3. **Ministerio de Educación y Ciencia del Gobierno Español (PSS-120000-2008-31)** – *Análogos naturales de almacenamiento y escape de CO₂ en diferentes escenarios geológicos de la Península Ibérica: estudio isotópico.* **PI:** Antonio Delgado-Huertas. 172.540 €; 2008 – 2010.
4. **CIUDEN** – *Estudio isotópico de diferentes fases del carbono en escenarios geológicos de escape de CO₂: aportación de análogos naturales de Italia y España a la seguridad y monitorización del almacenamiento geológico de CO₂.* **PI:** Antonio Delgado-Huertas. 160.288,56 €; 2009 – 2010.

5. **Ministerio de Educación y Ciencia del Gobierno Español (CGL2007-65572-C02-01/BTE)** – *Influencia de la temperatura en las condiciones de humedad en la Península Ibérica: escenarios pasados y futuros del calentamiento global*. **PI:** Antonio Delgado-Huertas. 113.000 €; 2007 – 2010.
6. **National Science Foundation grant (NSF-OCE 0602373)** – *Collaborative Research: Holocene Shell Accumulation from the Southeast Brazilian Bight: Multi-Centennial Dynamics of Oceanographic, Environmental, and Ecological Changes*. **PI:** Christopher S. Romanek. \$364,284; 2006 – 2009.
7. **Ministerio de Ciencia y Tecnología del Gobierno Español (BOS2003-00374)** – *Eventos paleobiológicos en el Cuaternario de Lanzarote y Fuerteventura y su relación con la biodiversidad actual*. **PI:** Carolina Castillo. 77,000 €; 2003 – 2006.
8. **Ministerio de Educación, Cultura y Deporte del Gobierno de Canarias (PI2001/004)** – *Análisis de los cambios faunísticos en el Cuaternario de Lanzarote y Fuerteventura. Implicaciones en la diversidad actual*. **PI:** Carolina Castillo. 6,740 €; 2001 – 2004.

RECENT RESEARCH COLLABORATORS

- Dr. Crayton J. Yapp – Huffington Department of Earth Sciences, Southern Methodist University, USA
- Dr. Antonio Delgado Huertas – Estación Experimental del Zaidín (CSIC-Granada), SPAIN
- Dr. Christopher S. Romanek – Department of Earth and Environmental Sciences, University of Kentucky, USA
- Dr. Michał Kowalewski – Department of Geosciences, Virginia Tech, USA
- Dr. John W. Huntley – GeoZentrum Nordbayern, Friedrich-Alexander-Universität Erlangen-Nürnberg, GERMANY.
- Dr. Emilio González Reimers – Hospital Universitario de Canarias, University of La Laguna, SPAIN
- Dr. Matilde Arnay de la Rosa – Department of Pre-History, Anthropology and Ancient History, University of La Laguna, SPAIN
- Dr. Miguel Ibáñez – Department of Animal Biology, La Laguna University, SPAIN
- Dr. María R. Alonso – Department of Animal Biology, La Laguna University, SPAIN

PROFESSIONAL MEMBERSHIPS

- The Paleontological Society (PS)
- The Geological Society of America (GSA)

JOURNAL PEER-REVIEWER

- Geochimica et Cosmochimica Acta (USA)
- Quaternary Geochronology (The Netherlands)
- Palaios (USA)
- Paleontological Research (Japan)

PUBLICATIONS

SUMMARY

- Peer-reviewed research publications: **15**
- Book chapters: **1**
- Other publications (NON-ISI contributions): **5**
- Abstracts: **24**

PEER-REVIEWED RESEARCH PUBLICATIONS

1. **Yanes, Y.**, Romanek, C.S., Delgado, A., Brant, H.A., Noakes, J.E., Alonso, M.R., Ibáñez, M. **2009**. Oxygen and carbon stable isotopes of modern land snail shells as environmental indicators from a low-latitude oceanic island. *Geochimica et Cosmochimica Acta*, 73: 4077-4099.
2. **Yanes, Y.**, Martín, J., Moro, L., Alonso, M.R., Ibáñez, M. **2009**. Four new *Napaeus* species (Gastropoda: Pulmonata: Enidae) from the Canary Islands. *Journal of Natural History* 43: 2179-2207.
3. Arnay-de-la-Rosa, M., Gamez-Mendoza, A., Navarro-Mederos, J.F., Hernández-Marrero, J.C., Fregel, R., **Yanes, Y.**, Galindo-Martín, L., Romanek, C.S., González-Reimers, E. **2009**. Dietary patterns during the early prehispanic settlement in La Gomera (Canary Islands). *Journal of Archaeological Sciences*, 36: 1972–1981.
4. **Yanes, Y.**, Martín, J., Artilles, M., Moro, L., Alonso, M.R., Ibáñez, M. **2009**. Rediscovery and description of an almost unknown *Hemicycla* species (Gastropoda, Pulmonata, Helicidae): *H. eurythyra* O. Boettger, 1908 from Tenerife, Canary Islands. *Journal of Conchology*, 40 (in press).
5. **Yanes, Y.**, Tyler, C.L. **2009**. Drilling predation intensity and feeding preferences by *Nucella* (Muricidae) on limpets inferred from a dead-shell assemblage. *Palaios*, 24: 280-289.
6. Schiffbauer, J., **Yanes Y.**, Tyler, C.L., Kowalewski, M., Leighton, L. **2008**. Microstructural criteria for identifying drill holes of predatory origin. *Palaios*, 23: 810-820.
7. **Yanes, Y.**, Delgado, A., Castillo, C., Alonso, M.R., Ibáñez, M., De la Nuez, J., Kowalewski, M. **2008**. Stable isotope ($\delta^{18}\text{O}$, $\delta^{13}\text{C}$, and δD) signatures of recent terrestrial communities from a low-latitude, oceanic setting: endemic land snails, plants, rain, and carbonate sediments from the eastern Canary Islands. *Chemical Geology*, 249: 377–392.
8. Huntley, J.W., **Yanes, Y.**, Kowalewski, M., Castillo, C., Delgado-Huertas, A., Ibáñez, M., Alonso, M.R., Ortiz, J.E., Torres, T. **2008**. Testing limiting similarity in Quaternary terrestrial gastropods. *Paleobiology*, 34: 378–388. *Science's editor choice (10-17-08)*.
9. **Yanes, Y.**, Tomašových, A., Kowalewski, M., Castillo, C., Aguirre, J., Alonso, M.R., Ibáñez, M. **2008**. Taphonomy and compositional fidelity of Quaternary fossil assemblages of terrestrial gastropods from carbonate-rich environments of the Canary Islands. *Lethaia*, 41: 235–256.
10. Ibáñez, M., Alonso, M.R., **Yanes, Y.**, Castillo, C., Groh, K. **2007**. Presence of the genus *Napaeus* (Gastropoda: Pulmonata: Enidae) living in all the islands of the Canarian archipelago: *Napaeus lichenicola* sp. nov. from Fuerteventura. *Journal of Conchology*, 39: 381–389.
11. **Yanes, Y.**, Kowalewski, M., Ortiz, J.E., Castillo, C., Torres, T., De la Nuez, J. **2007**. Scale and structure of time-averaging (age mixing) in terrestrial gastropod assemblages from Quaternary eolian deposits of the eastern Canary Islands. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 251: 283–299.
12. Ibáñez, M., Groh, K., Alonso, M.R., Castillo, C., **Yanes, Y.** **2006**. The subgenus *Monilearia* (*Lyrula*) Wollaston, 1878 (Gastropoda: Helicoidea: Cochlicellidae) from Lanzarote and Fuerteventura (Canary Islands), with the description of *Monilearia* (*Lyrula*) *tubaeformis* sp. nov. *Zootaxa*, 1320: 29–41.
13. Alonso, M.R., Ibáñez, M., Ponte-Lira, C.E., Castillo, C., **Yanes, Y.** **2006**. A new *Canariella* species (Gastropoda: Helicoidea: Hygromiidae) of the new subgenus *Maxorata*, both endemic from the Jandía peninsula (Fuerteventura, Canary Islands). *Zootaxa*, 1316: 45–56.

14. Castillo, C., **Yanes, Y.**, Alonso, M.R., Ibáñez, M. **2006**. *Napaeus lajaensis* sp. nov. (Gastropoda: Pulmonata: Enidae), from a Quaternary Aeolian Deposit of Northeast Tenerife, Canary Islands. *Zootaxa*, 1307: 41–54.
15. Ortiz, J.E., Torres, T., **Yanes, Y.**, Castillo, C., De la Nuez, J., Ibáñez, M., Alonso, M.R. **2006**. Climatic cycles inferred from the aminostratigraphy and aminochronology of Quaternary dunes and paleosols from the eastern islands of the Canary Archipelago. *Journal of Quaternary Science*, 21: 287–306.

BOOK CHAPTERS

1. Castillo, C., Martín-González, E., Barquín, J., **Yanes, Y.** **2005**. Síntesis Paleontológica. In: Rodríguez-Delgado, O. (ed.), *Patrimonio Natural de la isla de Fuerteventura*. Cabildo de Fuerteventura, Gobierno de Canarias, Centro de la Cultura Popular Canaria. pp. 303–323. [In Spanish]

OTHER PUBLICATIONS (NON-ISI CONTRIBUTIONS)

1. **Yanes, Y.**, Castillo, C., Martín-González, E., Ibáñez, M., De la Nuez, J., Alonso, M.R., Quesada, M.L., La Roche, F., Armas, F.R. **2005**. Paleontología de Canarias: caracoles terrestres fósiles. *Makaronesia*, 7: 76–90. [In Spanish]
2. **Yanes, Y.**, Castillo, C., Hutterer, R., De la Nuez, J., Quesada, M.L., Torres, T., Ortiz, J.E., Torres, J.M., Alonso, M.R., Ibáñez, M. **2004**. Valoración patrimonial de las formaciones dunares Cuaternarias del Barranco de los Encantados y la Cantera de Melián de la Isla de Fuerteventura, Islas Canarias. *Geogaceta*, 36: 195–198. [In Spanish with abstract in English]
3. **Yanes, Y.**, Castillo, C., Alonso, M.R., Ibáñez, M., De la Nuez, J., Quesada, M.L., Martín-González, E., La Roche, F., Liché, D., Armas, R.F. **2004**. Gasterópodos Terrestres Cuaternarios del Archipiélago Chinijo, Islas Canarias. *Vieraea*, 32: 123–134. [In Spanish with abstract in English]
4. Castillo, C., Martín-González, E., **Yanes, Y.**, Ibáñez, M., De la Nuez, J., Alonso, M.R., Quesada, M.L. **2002**. Estudio preliminar de los depósitos dunares de los Islotes del Norte de Lanzarote. Implicaciones paleoambientales. *Geogaceta*, 32: 79–82. [In Spanish with abstract in English]
5. Castillo, C., Martín-González, E., Coello, J.J., **Yanes, Y.** **2002**. Taphonomy reptilian fossils concentration of volcanic caves of El Hierro (Canary Islands, Spain). In: De Renzi, M., M. Alonso, M. Belinchón, E. Peñalver, P. Montoya, and A. Marquez-Aliaga (eds.), *Current Topics on Taphonomy and Fossilization*. pp. 325–335. [In English]

SUBMITTED MANUSCRIPTS

1. **Yanes, Y.**, Armay de la Rosa, M., González-Reimers, E., Velasco-Vázquez, J., Brant, H.A., Romanek, C.S., Noakes, J.E. Stable isotope signatures ($\delta^{13}\text{C}$ and $\delta^{15}\text{N}$) in bone collagen as dietary indicators of ancient human populations from low-latitude oceanic islands. A case of study (Canary Islands) and an island area point of view (Submitted to *Palaeogeography, Palaeoclimatology, Palaeoecology* since March, 2009).
2. **Yanes, Y.**, Martín, J., Delgado, J.D., Alonso, M.R., Ibáñez, M. Active disguise in the land snail *Napaeus badius* (Gastropoda, Pulmonata, Enidae) from the Canary Islands (Submitted to *Journal of Conchology* since April, 2009).

3. Tyler, C.L., **Yanes, Y.** Crushing predation and patelliform shell morphology: are all ribs created equal? (Submitted to Journal of Experimental Marine Biology and Ecology since June, 2009).

MANUSCRIPTS IN PREPARATION

1. Arnay de la Rosa, M., González-Reimers, E., **Yanes, Y.**, Romanek, C.S., Noakes, J.E. Paleodietary analysis of the Prehistoric population of the Canary Islands inferred from stable isotopes (carbon, nitrogen and hydrogen) in bone collagen. (Expected date of submission to Journal of Archaeological Sciences: November, 2009).
2. **Yanes, Y.**, Kowalewski, M., Romanek, C.S. Oxygen stable isotopes as a temperature proxy at which drilled and undrilled bivalves died. Paleocological Implications. (Expected date of submission to Journal of Experimental Marine Biology and Ecology: December, 2009).

ABSTRACTS

1. **Yanes, Y.**, Yapp, C.J. **2009.** 50,000 years of Pleistocene-Holocene environmental change in the Canary Islands: a land snail isotopic record. *2009 Geological Society of America Annual Meeting and Exposition*, (18-21 of October, 2009) Portland, Oregon (USA), Paper no. 151-11, Geological Society of America Abstracts with Programs, in press. [talk in English].
2. Dexter, T., **Yanes, Y.**, Huntley, J.W., Krause, R.A.Jr., Kaufman, D.S., Romanek, C.S., Kowalewski, M., Simoes, M., Barbour Wood, S.L. **2009.** Reconstructing paleo-environmental conditions using the bivalve *Semele casali* from Ubatuba Bay, Brazil. *2009 Geological Society of America Annual Meeting and Exposition*, (18-21 of October, 2009) Portland, Oregon (USA), Paper no. 219-16, Geological Society of America Abstracts with Programs, in press. [talk in English].
3. Jarret, M.B., Romanek, C.S., **Yanes, Y.** **2009.** Late Eocene Ocean Temperatures: Insights from *Crassostrea gigantissima*. *2009 Geological Society of America Annual Meeting and Exposition*, (18-21 of October, 2009) Portland, Oregon (USA), Paper no. 151-13, Geological Society of America Abstracts with Programs, in press. [talk in English].
4. Scott, D.E., **Yanes, Y.**, Rothermel, B.B., Pilgrim, M., Romanek, C.S. **2009.** Using stable isotope spikes to determine amphibian dispersal: A pilot study. *Meeting of the American Society of Ichthyologists and Herpetologists (ASIH)* (22-27 of July, 2009), Portland, Oregon (USA), in press. [talk in English].
5. Huntley, J., **Yanes, Y.**, Kowalewski, M. **2009.** Body size distributions as a means to test for the evolutionary importance of competition among terrestrial gastropod species. *9th North American Paleontological Convention (NAPC)* (21-26 of June, 2009), University of Cincinnati, Ohio (USA), in press. [talk in English].
6. **Yanes, Y.**, Romanek, C.S. **2009.** Oxygen stable isotopes in land snails: Paleoenvironmental implications for low-latitude oceanic systems. *2009 Geological Society of America. Southeastern Section, 58th Annual Meeting*, (12-13 of March, 2009) St. Petersburg, Florida (USA). Paper no. 3-5, Geological Society of America Abstracts with Programs, v. 41, no. 1, p. 7. [talk in English].
7. Jarret, M.B., Romanek, C.S., **Yanes, Y.** **2009.** Late Eocene Ocean Temperatures: Insights from Giant Oysters. *2009 Geological Society of America. Southeastern Section, 58th Annual Meeting*, (12-13 of March, 2009) St. Petersburg, Florida (USA). Paper no. 3-6, Geological Society of America Abstracts with Programs, v. 41, no. 1, p. 7. [talk in English].

8. **Yanes, Y.**, Delgado, A., Romanek, C.S. **2008**. Paleoclimate of the last 50,000 years in the Canary Islands inferred from the stable isotope composition of land snail shells. *2008 Geological Society of America Annual Meeting and Exposition*, (5-9 of October, 2008) Houston, Texas (USA), Paper no. 194-8, Geological Society of America Abstracts with Programs, v. 40, no. 6, p. 257. [poster in English].
9. Arnay-de-la-Rosa, M., González-Reimers, E., Navarro-Mederos, J.F., Gámez-Mendoza, A., Galindo-Martín, L., Hernández-Marrero, J.C., **Yanes, Y.** **2008**. Paleodietary analysis and bone mass assessment of prehispanic inhabitants from the island Gomera. *The 16th Congress of the European Anthropological Association*, (28-31 of August, 2008) Odense, Campus of University of Southern Denmark, Denmark. [talk in English].
10. Schiffbauer, J.D., **Yanes, Y.**, Tyler, C.L., Kowalewski, M., Leighton, L.R. **2008**. The microstructural record of predation - a new approach for identifying predatory drill holes. *2008 Geological Society of America Annual Meeting and Exposition*, (5-9 of October, 2008) Houston, Texas (USA), Paper no. 249-26, Geological Society of America Abstracts with Programs, v. 40, no. 6, p. 372. [talk in English].
11. Schiffbauer, J.D., **Yanes, Y.**, Tyler, C.L., Kowalewski, M., Leighton, L.R. **2008**. Microstructural criteria for identifying drill holes of predatory origin. *2008 Geological Society of America. Southeastern Section, 57th Annual Meeting*, (10-11 of April, 2008) Charlotte, North Carolina (USA). Paper no. 15-10, Geological Society of America Abstracts with Programs, v. 40, no. 4, p. 23. [poster in English].
12. **Yanes, Y.**, Romanek, C.S., Castillo, C., Delgado, A. **2007**. Shell size shifts of a Quaternary helicid from the Canary Islands. *2007 Geological Society of America Annual Meeting and Exposition*, (28-31 of October, 2007) Denver, Colorado (USA), Paper no. 26-28, Geological Society of America Abstracts with Programs, v. 39, no. 6, p. 76. [poster in English].
13. Tyler, C.L., **Yanes, Y.** **2007**. Crushing predation and patelliform shell morphology; are all ribs created equal? *2007 Geological Society of America. South-Central and North-Central Sections, both conducting their 41st Annual Meeting*, (11-13 of April, 2007) Lawrence, Kansas (USA). Paper no. 27-3, The Geological Society of America Abstracts with Programs, v. 39, no. 3, p. 54. [talk in English].
14. **Yanes, Y.**, Kowalewski, M. **2007**. Estimates of time-averaging in terrestrial gastropod assemblages from the Quaternary of Canary Islands. *2007 Geological Society of America. Southeastern Section, 56th Annual Meeting*, (29-30 of March, 2007) Savannah, Georgia (USA). Paper no. 22-10, Geological Society of America Abstracts with Programs, v. 39, no. 2, p. 69. [talk in English].
15. **Yanes, Y.**, Delgado, A., Kowalewski, M. **2006**. Stable isotope composition of modern land snails from Canary Islands. *2006 Geological Society of America Annual Meeting and Exposition*, (22-25 of October, 2006) Pennsylvania, Philadelphia (USA). Paper no. 202-10, Geological Society of America Abstracts with Programs, v. 38, no. 7, p. 488. [poster in English].
16. Huntley, J., **Yanes, Y.**, Kowalewski, M. **2006**. A tale of two snails: testing limiting similarity in Quaternary *Theba*. *2006 Geological Society of America Annual Meeting and Exposition*, (22-25 of October, 2006) Pennsylvania, Philadelphia (USA). Paper no. 155-4, Geological Society of America Abstracts with Programs, v. 38, no. 7, p. 382. [talk in English].
17. **Yanes, Y.**, Aguirre, J., Castillo, C., Alonso, M.R., Ibáñez, M. **2005**. Quantitative taphonomy of Quaternary land snail assemblages from the Mala section (NE Lanzarote, Canary Islands). *2nd International Meeting TAPHOS-05. 4^a Reunión de Tafonomía y Fosilización*, (16-18 of June, 2005), Science Museum of Barcelona, Spain. In: J. Martinell, R. Domenech, J.M. de Gilbert, eds., 2nd International Meeting Taphos 05, Abstract Volume 1: 11-12. [poster in English].

18. **Yanes, Y.**, Castillo, C., Alonso, M.R., Ibáñez, M., De La Nuez, J. **2004**. Microevolución en el género *Theba* (Mollusca: Gastropoda) durante el Cuaternario (Archipiélago Chinijo, Islas Canarias). *XX Jornadas de la Sociedad Española de Paleontología*, (19-22 of October, 2004), Alcalá de Henares University, Madrid-Spain. *XX Jornadas de la Sociedad Española de Paleontología*, Abstract vo. 1, p. 199. [poster in Spanish].
19. **Yanes, Y.**, Aguirre, J., Castillo, C., Martín González, E., Ibáñez, M., De La Nuez, J., Alonso, M.R. **2004**. Tafonomía de gasterópodos terrestres en paleosuelos Cuaternarios (Archipiélago Chinijo, NE Islas Canarias). *XX Jornadas de la Sociedad Española de Paleontología*, (19-22 of October, 2004), Alcalá de Henares University, Madrid-Spain. *XX Jornadas de la Sociedad Española de Paleontología*, Abstract vo. 1, p. 197-198. [talk in Spanish].
20. **Yanes, Y.**, Torres, T., Ortiz, J.E., Castillo, C., Alonso, M.R., Ibáñez, M., De La Nuez, J. **2004**. Datación por racemización de aminoácidos de gasterópodos terrestres del Archipiélago Chinijo, Islas Canarias. *XX Jornadas de la Sociedad Española de Paleontología*, (19-22 of October, 2004), Alcalá de Henares University, Madrid-Spain. *XX Jornadas de la Sociedad Española de Paleontología*, Abstract vo. 1, p. 200-201. [talk in Spanish].
21. Castillo, C., Aguirre, J., **Yanes, Y.**, Ibáñez, M., De La Nuez, J., Liché, D., Alonso, M.R. **2003**. ¿Qué hace un fósil como tú en un depósito como éste? Concentraciones de gasterópodos terrestres en rellenos de canales fluviales (Cuaternario de Fuerteventura). *XIX Jornadas de la Sociedad Española de Paleontología*, (16-18 of October, 2003), Morella, Castellón, Spain. *XIX Jornadas de la Sociedad Española de Paleontología*, Abstract vo. 1, p. 49-50. [talk in Spanish].
22. Castillo, C., Aguirre, J., **Yanes, Y.**, Ibáñez, M., De La Nuez, J., Liché, D., Alonso, M.R. **2003**. Concentraciones biológicas de gasterópodos terrestres en paleosuelos (Cuaternario, Islas Canarias). Un ejemplo de conservación excepcional. *European Paleontological Association-Workshop 2003. Exceptional Preservation*, (24-27 September, 2003), National Museum of Natural Sciences, CSIC. Teruel, Spain. 2003 European Paleontological association-Workshop. Exceptional preservation, Abstract vo. 1, p. 43-44. [poster in Spanish].
23. **Yanes, Y.**, Castillo, C., Liché, D., De La Nuez, J., La Roche, F., Ibáñez, M., Alonso, M.R., Martín González, E. **2002**. Estudio tafonómico de las asociaciones de gasterópodos terrestres del islote de Montaña Clara, Islas Canarias. *XVIII Jornadas de la Sociedad Española de Paleontología, II Congreso Ibérico de Paleontología*, (24-29 of September, 2002), Salamanca University, Spain. *XVIII Jornadas de la Sociedad Española de Paleontología, II Congreso Ibérico de Paleontología*, Abstract vo. 1, p. 154. [talk in Spanish].
24. Castillo, C., Martín González, E., Coello, J.J., **Yanes, Y.** **2002**. Taphonomy reptilian fossils concentration of volcanic caves of El Hierro (Canary Islands, Spain). *International conference Taphos 2002. 3rd Meeting on Taphonomy and Fossilization*, (14-16 of February, 2002), Menéndez Pelayo International University, Valencia, Spain. In: De Renzi, M., M. Alonso, M. Belinchón, E. Peñalver, P. Montoya, and A. Marquez-Aliaga (eds.), *Current Topics on Taphonomy and Fossilization*, vo. 1, p. 325-335. [poster in English].

MAIN TECHNICAL SKILL

Use of the **Dual Inlet and Continuous Flow-Isotope Ratio Mass Spectrometer (IRMS)**, as well as sample preparation, data calibration and interpretation.

1. Analysis of carbon and oxygen stable isotopes of carbonates and atmospheric CO₂ in the GasBench II connected to the IRMS.
2. Analysis of oxygen stable isotopes of water samples in the GasBench II connected to the IRMS.
3. Analysis of carbon and nitrogen stable isotopes of organic matter samples in the Elemental Analyzer (EA) connected to the IRMS.
4. Analysis of hydrogen stable isotopes of water samples in the High Temperature Conversion/Elemental Analyzer (TC/EA) connected to the IRMS.
5. Analysis of hydrogen stable isotopes of organic matter samples in the High Temperature Conversion/Elemental Analyzer (TC/EA) connected to the IRMS.