

Curriculum Vitae

Carmona, Noelia Beatriz

1- Personal

ID: 25.444.308.

Nationality: Argentina.

Born: San Miguel de Tucumán, 26 May 1976.

Address: Instituto de Investigación en Paleobiología y Geología (IIPG). Universidad Nacional de Río Negro - CONICET. Av. J. A. Roca 1242. R 8332 EXZ.

Telephone: 0054-298-4427399.

Cell phone: +54-298-154731414

E-mail: ncarmona@unrn.edu.ar / ncarmonaichno@gmail.com

2- Degrees

- Licenciada, Biological Sciences (Zoology). (5-year course). Facultad de Ciencias Naturales e Instituto Miguel Lillo. University of Tucumán Nacional de Tucumán, 2000.
- PhD (Geological Sciences), University of Buenos Aires, 2005. Thesis Title: Icnología del Mioceno marino en la Región del Golfo San Jorge. 250 pp.
- Diploma in Science Education. Approaches to the democratization of scientific and technological knowledge. – Facultad Latinoamericana de Ciencias Sociales (FLACSO – Argentina). 2012.
- Postgraduate Diploma in Bases and Tools for the Comprehensive Management of Climate Change. SC Res. N° 022/21. National Ministry of Environment and Sustainable Development, National University of Jujuy, National University of Quilmes. Graduation date 08/29/2021.

3-Current and previous positions in Teaching, Research and Administration

- **2024 to present.** Secretary International Ichnological Association.
- **2021 to July 2024.** Secretary of Research. Alto Valle-Valle Medio Campus. Universidad Nacional de Río Negro.
- 2021-2022. Past President – Association for Women Geoscientists (AWG).
- 2020-2021. President of the Association for Women Geoscientists (AWG).
- 2019-2020. Director of the School of Geology, Paleontology and Science Education. University of Río Negro (UNRN).
- **2019 to present.** Associate Professor. Course: Stratigraphy and Historical Geology (UNRN) (position assigned by competition).

- 2017-2020. International Delegate. Association for Women Geoscientists -AWG
- 2017-2019. Vicedirector Instituto de Investigaciones en Paleobiología y Geología (IIPG) (CONICET-UNRN).
- 2017-2018. Scientific Coordinator of the Programme: "Scientists go to Schools" in the Río Negro Province. Program developed by the Ministry of Science, Technology and Innovation of Argentina (MINCyT).
- **2015 to present.** Independent Researcher- Argentinian National Research Council (CONICET).
- 2012- 2019. Adjunct Professor. Universidad Nacional de Río Negro (position assigned by competition).
- 2012-2016. Secretary of the International Ichnological Association
- 2011-2014. Adjunt Researcher – CONICET.
- 2011. Adjunct Professor. Biology I and II. Paleontology and Geology Degrees. Universidad Nacional de Río Negro.
- 2008-2010. Assistant Researcher – CONICET.

4- Grants

- Travel Grant awarded by the Geological Society of America, to participate in the GSA Annual Meeting 2018. November 2018.
- Financial Aid for the Master's Program for the Training of Human Resources in Policy and Management of Science, Technology and Innovation. 2016. Resolution MINCyT N° 805/2016 and N° 1294379
- External Postdoctoral Fellowship for Young Researchers of CONICET. University of Saskatchewan, Canada. July 2012-March 2013.
- Grant for internships abroad for CONICET Postdoctoral Fellows. University of Saskatchewan, Canada. August-November 2007.
- Postdoctoral Scholarship. Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET). April 2006.
- Post-course fellowship awarded by the Organization for Tropical Studies (OTS). March 2004.
- Scholarship awarded by the Organization for Tropical Studies (OTS) to take the course "Ecology of Tropical Coastal Ecosystems" in Veracruz, Mexico. January 2004.
- Postgraduate Scholarship awarded by the International Association of Sedimentologists (IAS). December 2002.
- Doctoral Scholarship. National Council of Scientific and Technical Research. (CONICET). April 2001.

- Scholarship for outstanding university students granted by the Antorchas Foundation. Project A-13815/1-6. May 2000.

5- Recognitions

- 2023. Representative of the Río Negro Province in the 1st Federal Meeting on Leadership and Communication FUTURAS. Ministry of Science, Technology and Innovation (Argentina), Argentinian National Bank Foundation and Sadosky Foundation. May 2023.
- 2022. Association for Women Geoscientist (AWG) Encourage Award.
- 2019. Association for Women Geoscientist (AWG) Distinguished Service Award.
- 2019-2021 Paleontological Society Distinguished Lecturer. <https://paleosoc.org/programs/distinguished-lecturer-educator-program/>
- 2008. Award "Mario Mazzoni". XII Argentinian Sedimentological Meeting. 2008.
- Distinction awarded by the Federación Argentina de Mujeres Universitarias (Argentinian Federation of University Women) for the highest average in the Biological Sciences course of Class 2000, University of Tucumán.

6- Languages

- First Certificate in English. University of Cambridge. England. December 1996. Grade: A.
- Portuguese Language University Course dictated by the UNT and the Institute for Latin American Integration and Development (IDELA), 1st Level. 2001.

7- Invited Courses

- Microbial-Substrate Interactions (together with R. Netto). 1-day course. ICHNIA 2024, 5th International Congress on Ichnology – April 2024.
- Integral Core Analysis (together with J.J. Ponce and A. Montagna). 5-day course. Universidad Nacional de Río Negro – March 2024.
- Sedimentary environments. (Postgraduate level) (together with J.J. Ponce and N. Canale). Universidad Nacional de Río Negro. March 2023.
- Sedimentary environments (together with J.J. Ponce and N. Canale). Universidad Nacional de Río Negro. October 2017.
- Trace fossils: implications for the analysis of sedimentary environments (together with J.J. Ponce). UNCOMA-AAPG Chapter. November 2015.

8- Invited Talks

- "Incorporating the gender perspective in the university curriculum: challenges and proposals". Carmona, N.B. and Cerutti, P. Meeting: Towards the institutionalization of policies and programs for gender equality and curricular and pedagogical change in Latin American universities and research centers. <https://www.flacso.org.ar/jornada-transformaciones-en-proceso/Jornada>. October 2020.
- "Ichnology of Marine deposits in Patagonia". Departamento of Geology, Oklahoma University (USA), September 2020.
- "Matas microbianas: implicancias tafonómicas y evolutivas". Conference en el marco del Distinguished Lecturer Program de la Paleontological Society en la UNT (San Miguel de Tucumán), May 2020.
- "La infaunalización en el Neógeno: evidencias icnológicas en Patagonia". Lecture in the framework of the Distinguished Lecturer Program of the Paleontological Society at the Universidad Nacional de Tucumán (UNT). Argentina. Octubre 2019.
- "La infaunalización en el Neógeno: evidencias icnológicas en Patagonia". Lecture in the framework of the Distinguished Lecturer Program of the Paleontological Society at the Universidad Nacional del Sur (UNS) (Bahía Blanca-Buenos Aires). Argentina, September 2019.
- "Estructuras sedimentarias inducidas por la actividad microbiana (MISS): ejemplos fósiles y actuales". UNRN Geology Seminar. June 2012.
- Conference "Icnología de los depósitos marinos miocenos de Patagonia: El rol de la fauna evolutiva moderna en ecosistemas infaunales del Neógeno". Congreso Argentino de Paleontología, September 2010. La Plata, Argentina.
- Conference "Crustacean Ichnology in marine environments: an update". Workshop on Crustacean Bioturbation – Fossil and Recent. May, 2010. Huelva, España.

9- Participation in Research and Outreach projects:

- PICTO-2021-YPF-NEUQUEN BASIN. Comprehensive analysis of an unconventional petroleum system (Los Molles and Lajas formations), Neuquen Basin, Argentina: Paleoenvironmental and paleoceanographic implications. 11-2022-11-2023. Director: Ponce, J.J.
- PI UNRN 40-A-956. Application of Ichnology in the sequential stratigraphic study of the Río Negro Formation (Miocene-Pliocene), Argentina. 4-2022-4-2024. Director: Ponce, J.J.
- Outreach project funded by the Secretary of University Policies (SPU). Science workshop for children for a sustainable future. Code 14959. Co-Director.

- Grant RC2021 Agency: Transversalizing the SDGs at UNRN: experiences to transform the territory RC-2021-00090. Grant Director.
- 2021 Outreach and Education grant from the Paleontological Society. "The history of the Earth and Life through experiments: Science Club for Children" Project Director.
- Paleontological Society International Research Program (Sepkoski Grant). A geobiologic transect at the Ediacaran-Cambrian transition: matground distribution from shallow to deep marine ecosystems. Project Director. 2021
- University Outreach Project 2019 "La historia de la Tierra a través de experimentos: Taller de ciencias para niñ@s". Resolución 0589. Director: Noelia Carmona. August 2019-December 2020.
- Project CNPq: IMPACTOS DE MUDANÇAS CLIMÁTICAS NA DISTRIBUIÇÃO DA BIOTURBAÇÃO EM AMBIENTES MARINHOS RASOS NO ATLÂNTICO SUL. Director: Dra. Renata Netto. Instituição: Universidade do Vale do Rio dos Sinos - RS - Brasil. 18/02/2019-28/02/2022. Participant as a member of the Collaborating Group.
- PI-UNRN 2017. 40-A-616. ICNOLOGÍA, SEDIMENTOLOGÍA Y GEOBIOLOGÍA DE UN SISTEMA PETROLERO NO CONVENCIONAL (FORMACIONES LOS MOLLES Y LAJAS), CUENCA NEUQUINA, ARGENTINA: IMPLICANCIAS PALEO AMBIENTALES Y PALEOCEANOGRÁFICAS. Director: Noelia Carmona. 04/2018-03/2021.
- PIP 2017 129. Icnología, Sedimentología y Geobiología de un sistema petrolero no convencional (Formaciones Los Molles y Lajas), Cuenca Neuquina, Argentina. CONICET. Director of the project.
- Grant RC2016 from the Agency for the XI Congress of the Argentine Paleontological Association. Responsible for the Grant - Resolution No. 449/ August 2016.
- PI-UNRN 2016. 40-A-468. Sedimentología, Icnología y Geobiología de un sistema petrolero no convencional (Formaciones Vaca Muerta-Quintuco), Cuenca Neuquina, Argentina. Director: Dr. J.J. Ponce. Participation as researcher.
- "University Scientific and Technological Capacities for Energy Development" Eng. Enrique Mosconi. "Geological and Petrophysical Characterization of Los Molles Formation, Neuquina Basin-Argentina. Potential of the Formation as an Unconventional Shale Gas Reservoir". Director: Ponce, J.J.
- PICT 2011-1373. Ichnology of Cenozoic marine deposits of Patagonia: paleoceanographic implications. Director: Noelia B. Carmona.
- PICTO-UNRN 2010-0199. Ichnology of the Neogene marine deposits of Patagonia: Paleoclimatic controls on mid-latitude shallow marine deposits. Director: Noelia B. Carmona.

- PI-UNRN 2011. 40-A-158. Microbially induced sedimentary structures in the Río Negro Formation (Miocene-Pliocene): Implications for the preservation of vertebrate trace fossils. Director: Noelia B. Carmona.
- PIP 2010-417 - Sedimentological, ichnological and palynological analysis in hyperpicnites from the Lajas and Lotena formations (Middle Jurassic), Neuquén Basin, Argentina. Director: Dr. Ponce, J.J. Participation as a collaborator scientist.
- PICT 2007 – 00374. Geobiology and dynamic processes in coastal wetlands and their interpretation in the geologic record. Director: Dra. Diana Cuadrado. Participation as a collaborator scientist.
- Natural Sciences and Engineering Research Council (NSERC) Discovery Grants 311726-08 - Precambrian-Cambrian ichnofaunas in space and time. Director: Dr. Luis A. Buatois.
- Natural Sciences and Engineering Research Council (NSERC) Discovery Grants 311727-08 - Evolution of shallow-marine ichnofaunas. Director: Dra. M. Gabriela Mángano.
- PICT 2006-840. ANPCyT. Marine Cenozoic ichnology: analysis and comparison between shallow and deep deposits in mid to high latitudes. Director: Dra. Noelia Carmona.
- PICT 26329: Sedimentology and palynology of the Paleocene-Miocene of southernmost South America. Director: Dra. Mirta Quattrocchio.
- PIP 5100-CONICET. Analysis of syntectonic turbidic systems from the Cenozoic of Tierra del Fuego: Sedimentology; micropaleontology; ichnology and depositional models. Director Dr. E.B. Olivero.
- PIP-CONICET 2756. Stratigraphy and sedimentology of the Mesozoic-Paleogene of the Fuegian Andes, Argentina (Part 2). Director E.B. Olivero.
- PICT 8675. ANCYPT-FONCYT. Stratigraphy and sedimentology of the Cretaceous-Cenozoic deposits of the Fuegian Andes, Argentina. Director: Dr. E.B. Olivero.
- “Ichnology of the Precambrian-Cambrian Transition in Northwest Argentina”. Granted by Fundación Antorchas. Project No.: 13887-5. Principal Investigator: Dr. Luis A. Buatois.
- “The biota of the Precambrian-Cambrian transition in Northwest Argentina”. Director: Dr. María Gabriela Mángano. May 2001.

10- Internships

- Internship at the University of Saskatchewan, Canada (CONICET Postdoctoral Fellowship for internships abroad). August-November 2007.

- Internship at the University of Saskatchewan, Canada, during April 2006, under the supervision of Drs. Luis A. Buatois and Gabriela Mángano.
- Study of the trace fossil collection of the University of Copenhagen, Denmark, during July 2003, under the supervision of Dr. Richard Bromley.

11- Undergraduate and Graduate Supervision

- Co-Supervision Postdoctoral fellowship CONICET Dr. Maximiliano Rodriguez. Interaction of physical processes and microbial activity in a present coastal environment: implications for understanding equivalent environments in the fossil record. 2023-2025.
- Supervision Internal doctoral fellowship CONICET Lic. Maximiliano Rodriguez. Microbial activity induced sedimentary structures (MISS) in unconventional petroleum systems (Los Molles-Lajas), Neuquén Basin: Implications for paleoenvironmental analysis. 2017-2023.
- Supervision Postdoctoral fellowship CONICET Dr. Alina Schepetkina. Sedimentological and ichnological analysis in crowns of the Centenario Formation (Cretaceous), Neuquén Basin: paleogeographic and paleoceanographic controls. 2017-2018.
- Supervision Postdoctoral fellowship CONICET Dr. Nerina Canale. Ichnology and Sedimentology of the Lajas Formation in the localities of Arroyo Carreri and Loncopué. 2016- 2018.
- Supervision Student Marcelo Guevara. Universidad Nacional de Río Negro. Undergraduate thesis 2020.
- Co-supervision of a CONICET doctoral fellowship Lic. Débora Campetella. Sedimentology and Ichnology of the Los Molles Formation in the localities of Picún Leufú, Sierra de Chacaico, Loncopué and Cordillera del Viento, Neuquén Basin, Argentina. 2016-2022.
- Supervision Nerina Canale. PhD student Universidad Nacional del Sur. Ichnological and palynological analysis for the paleoenvironmental characterization of the hyperpycnal successions that integrate the Lajas and Lotena formations (Middle Jurassic, Neuquén Basin, Argentina). PhD dissertation 2015.
- Co-supervision postdoctoral fellowship CONICET Dr. Soledad Brezina. Paleocological analysis of the communities of drilling and encrusting organisms associated with oysters during the Cretaceous-Paleogene boundary in the Neuquén Basin. 2014-2016.
- Direction of type II CONICET fellowship Lic. Nerina Canale. Ichnological and palynological analysis for the paleoenvironmental characterization of the hyperpycnal

- successions that integrate the Lajas and Lotena formations (Middle Jurassic, Neuquén Basin, Argentina). 2014-2016.
- Co-supervision type I CONICET fellowship. Lic. Nerina Canale. Ichnological and palynological analysis for the paleoenvironmental characterization of the hyperpycnite successions that integrate the Lajas and Lotena formations (Middle Jurassic, Neuquén Basin, Argentina).
 - Co-supervision type II CONICET grant. Lic. Constanza Bournod. 2013-2015. Sedimentological and ichnological analysis in tidal flats of the Bahía Blanca Estuary and its comparison with shallow marine successions of the Tertiary of Patagonia.
 - Co-supervision María Sol González Estebenet. PhD student Universidad Nacional de Sur. Dinoflagellate cysts from the Eocene of southwestern Santa Cruz - Biostratigraphic and paleoenvironmental analysis. PhD Dissertation. (2011-2015)
 - Co-supervision Constanza Bournod. PhD scholarship. Agency I+D+i. Sedimentological and ichnological analysis in tidal flats of the Bahía Blanca Estuary and its comparison with shallow marine successions of the Tertiary of Patagonia. (2010-2012).
 - Co-supervision Dr. Natalia Pizani. Post-doctoral fellowship (CONICET) (2009-2011). Role of microbial communities in the diagenesis processes.

12- Papers in refereed journals - Accepted/published

- Buatois, L.A., Mángano, M.G. & Carmona, N.B. 2024. *Scolicia*, ichnotaxonomic practices, and the limits of behavioural convergence. *Ichnos* 4:1-24. DOI: 10.1080/10420940.2024.2325468
- Sedorko, D., Nascimento, D.L., Carmona, N.B., Netto, R.G., Rangel, C.C., Silva Ramos, K. & Alessandretti, L. 2024. Neoichnological analysis of mole cricket burrows: implications of substrate moisture changes on preservation and morphology. *Palaios* 39(1): 21-32. <https://doi.org/10.2110/palo.2023.028>.
- Rodriguez, M.N., Campetella, D.M., Carmona, N.B., Ponce, J.J., & Parada, M.N. 2024. Microbial mats and their palaeoenvironmental analysis in offshore – shelf facies of the Los Molles Formation (Toarcian – Lower Callovian) in the Chacay Melehue area, Neuquén Basin, Argentina. *Geobiology* 22(1) e12580. <https://doi.org/10.1111/gbi.12580>.
- Ponce, J.J., Carmona, N.B., Jait, D., Cevallos, M., & Rojas, C. 2023. Sedimentological and ichnological characterization of delta front mouth bars in a river-dominated delta (Upper Cretaceous) from the La Anita Formation, Austral Basin, Argentina. *Sedimentology* 71(1) DOI:10.1111/sed.13127.

- Wetzel, A., Carmona, N.B. & Ponce, J.J. 2023. Dynamic environmental conditions recorded by the trace fossil *Teichichnus* and event beds during deposition of the basal Vaca Muerta Formation in the central Neuquén Basin (Argentina). *Journal of South American Earth Sciences*. <https://doi.org/10.1016/j.jsames.2023.104190>
- Campetella, D.M., Palópolo, E.E., Rodríguez, M.N., Thuy, B., Ponce, J.J., Carmona, N.B., & Casadío, S. 2023. First Jurassic brittlestar from Neuquén Basin, Argentina. *Acta Palaeontologica Polonica* 68. <https://doi.org/10.4202/app.01032.2022>.
- Paz, M., Mángano, M.G., Buatois, L.A., Desjardins, P.R., Minisini, D., González Tomassini, F., Rodríguez, M.N., Pereira, E., Fantín, M., Parada, M.N. & Carmona, N.B. 2023. Environmental controls on trace-fossil distribution in the Upper Jurassic-Lower Cretaceous Vaca Muerta Formation (Argentina): Implications for the analysis of fine-grained depositional systems. *Sedimentary Geology* 454, p.106460.
- Buatois, L.A., Mángano, M.G., Bhawanisingh, D., Carmona, N.B., Burns, F., Meek, D., & Eglinton, B. 2022. Infaunalization and resource partitioning during the Mesozoic marine Revolution. *Geology* 2022 50 (7): 786–790. <https://doi.org/10.1130/G50088.1>
- Paz, M., Buatois, L. A., Mángano, M. G., Desjardins, P. R., Rodríguez, M. N., Ponce, J.J., Minisini, D., Tomassini, F. G., Pereira, E., Carmona, N. B., Fantín, M., & Vallejo, M. D. 2022. Basin circulation affecting sediment partitioning in a fine-grained carbonate-siliciclastic, subaqueous clinof orm: the Upper Jurassic-Lower Cretaceous Vaca Muerta Formation, Neuquén Basin, Argentina. *Journal of the Geological Society*. <https://doi.org/10.1144/jgs2022-055?ref=pdf&rel=cite-as&jav=VoR>.
- Paz, M., Mángano, M.G., Buatois, L.A., Desjardins, P.R., Notta, R., González Tomassini, F.G. & Carmona, N.B. 2022. Ichnology of muddy shallow-water contourites from the Upper Jurassic-Lower Cretaceous Vaca Muerta Formation, Argentina: Implications for trace-fossil models. *Palaios*. 37 (5):201-218 (2022). <https://doi.org/10.2110/palo.2020.028>
- Paz, M., Buatois, L.A., Mángano, M.G., Desjardins, P.R., Notta, R., González Tomassini, F.G., Carmona, N.B. & Minisini, D. 2022. Organic-rich, fine-grained contourites in an epicontinental basin: The Upper Jurassic-Lower Cretaceous Vaca Muerta Formation, Argentina. *Marine and Petroleum Geology*, Volume 142, 105757. DOI: 10.1016/j.marpetgeo.2022.105757
- Paz, M., Ponce, J.J., Mángano, M.G., Buatois, L.A., Carmona, N.B., Wetzel, A., Pereira, E. & Rodríguez, M. 2021 The Vaca Muerta transgression (Upper Jurassic), Neuquén Basin, Argentina: Insights into the evolution and timing of aeolian-marine transitions. *Sedimentology*, 68, p. 2732–2764. DOI: 10.1111/sed.12872

- Palopolo, E.E., Kroh, A., Harzhauser, M., Griffin, M., Casadío, S. & Carmona, N.B. 2021. An early Miocene spatangoid assemblage on a submarine volcanic ash dune from Patagonia (Argentina). *Journal of South American Earth Sciences* Volume 108, June 2021, 103214. <https://doi.org/10.1016/j.jsames.2021.103214>
- Campetella, D., Carmona, N.B., Ponce, J.J., Wetzel, A.; Rodriguez, M., & Parada, M. 2020. Trace fossils as tools to unravel oxygen conditions: A case study from Los Molles Formation (Toarcian-lower Callovian). *Revista de la Asociación Geológica Argentina: Asociación Geológica Argentina*. 2020 vol.77 n°3. p463 - 477. issn 1853-7138. eissn 1851-8249
- Shchepetkina, A., Ponce, J.J., Carmona, N.B., Mángano, M.G., Buatois, L.A., Ribas, S., & Villar Benvenuto, M.C. 2020. Sedimentological and ichnological analyses of the continental to marginal-marine Centenario Formation (Cretaceous), Neuquén Basin, Argentina: Reservoir implications. *Marine and Petroleum Geology* V. 119: 104471. <https://doi.org/10.1016/j.marpetgeo.2020.104471>.
- Wetzel, A., Carmona, N.B., & Ponce, J.J. 2020. *Gyrochorte* “highways” and their environmental significance in shallow marine sediments. *Acta Palaeontologica Polonica* 65 (1): 209–218.
- Carmona, N.B., Mángano, M.G., Buatois, L.A., Bromley, R., Ponce, J.J., Asgaard, U. & Bellosi, E. 2020. *Scolicia* and its producer in shallow-marine deposits of the Miocene Chenque Formation (Patagonia, Argentina): functional morphology and implications for understanding burrowing behavior. *Ichnos* <https://doi.org/10.1080/10420940.2020.1744589>
- Canale, N., Ponce, J.J., Carmona, N.B., & Parada, M. 2020. Sedimentología e icnología de un delta fluvio-dominado, Formación Lajas (Jurásico Medio), Cuenca Neuquina, Argentina. *Andean Geology*. SERVICIO NACIONAL GEOLOGIA MINERVA. 2020 vol.47 n°. p179 - 206. issn 0718-7092. eissn 0718-7106
- Paz, M., Ponce, J.J., Buatois, L.A., Mángano, M.G., Carmona, N.B., Pereira, E., & Desjardins, P.R. 2019. Bottomset and foreset sedimentary processes in the mixed carbonate-siliciclastic Upper Jurassic-Lower Cretaceous Vaca Muerta Formation, Picún Leufú Area, Argentina. *Sedimentary Geology* 389: 161-185.
- Carmona, N.B., Ponce, J.J. & Wetzel, A. 2019. Reply: Biogenic structures of unioniform bivalves in wet-interdune deposits (Late Miocene-Early Pliocene, Argentina). *Palaios* 34(3): 176-177. <https://doi.org/10.2110/palo.2019.015>
- Carmona, N.B., Ponce, J.J. & Wetzel, A. 2018. Biogenic structures of unioniform bivalves in wet-interdune deposits (Late Miocene-Early Pliocene, Argentina). *Palaios* 33(9):431-440. <https://doi.org/10.2110/palo.2018.030>

- Quattrocchio, M.E., Olivera, D.E., Martinez, M.A., Ponce, J.J. & Carmona, N.B. 2018. Palynofacies associated to hyperpycnite deposits of the Miocene, Cabo Viamonte Beds, Austral Basin, Argentina. *FACIES*, vol. 64: 22. <https://doi.org/10.1007/s10347-018-0535-2>.
- Wesolowski, L. J. N. Buatois, L. Mángano, M.G., Ponce, J.J. & Carmona, N.B. 2018. Trace fossils, sedimentary facies and parasequence architecture from the Lower Cretaceous Mulichinco Formation of Argentina: The role of fair-weather waves in shoreface deposits *Sedimentary Geology*, Volume 367, p. 146-163. <https://doi.org/10.1016/j.sedgeo.2018.02.007>
- Canale, N., Ponce, J.J., Carmona, N. & Drittanti, D.I. 2016. Ichnology of deltaic mouth-bar systems of the Lajas Formation (Middle Jurassic) in the Sierra de la Vaca Muerta, Neuquén basin, Argentina. *Ameghiniana* 53: 170–183. <https://doi.org/10.5710/AMGH.17.09.2015.2913>
- Canale, N.; Ponce, J.J.; Carmona, N.; Drittanti, D.; Olivera, D.; Martínez, M.; & Bournod, C. 2015. Sedimentología e icnología de deltas fluvio-dominados afectados por descargas hiperpícnicas de la Formación Lajas (Jurásico Medio), Cuenca Neuquina, Argentina. *Andean Geology* 42(1): 114-138. <http://dx.doi.org/10.5027/andgeoV42n1-a07>.
- Wetzel, A., Carmona, N.B., & Ponce, J.J. 2014. Tidal signature recorded in burrow fill. *Sedimentology*. Volume 61, Issue 5, August 2014, Pages: 1198–1210. doi: 10.1111/sed.12097.
- Buatois, L.A., Narbonne, G.M., Mángano, M.G., Carmona, N.B. & Myrow, P. 2014. Ediacaran matground ecology persisted into the earliest Cambrian. *Nature Communications* 5:3544 doi: 10.1038/ncomms4544 (2014).
- Bournod, C.N.; Cuadrado, D.G.; Carmona, N.B.; Ponce, J.J. & Pan, J. 2014. Estructuras sedimentarias inducidas por actividad microbiana (ESIAM) en la planicie de marea de Puerto Rosales, Estuario de Bahía Blanca. *Revista de la Asociación Geológica Argentina* v. 71(3): 331-344.
- Buatois, L.A., Netto, R.G., Mángano, M.G., & Carmona, N.B. 2013. Global deglaciation and the re-appearance of microbial matground-dominated ecosystems in the late Paleozoic of Gondwana. *Geobiology* (2013) 11: 307–317.
- Pan, J.; Bournod, C.N.; Pizani, N.V.; Cuadrado, D.G.; & Carmona, N.B. 2013. Characterization of Microbial Mats from a Siliciclastic Tidal Flat (Bahía Blanca Estuary, Argentina). *Geomicrobiology Journal* 30: 1-10.
- Cuadrado, D.G.; Bournod, C.N.; Pan, J.; & Carmona, N.B. 2013. Microbially-induced sedimentary structures (MISS) as record of storm action in supratidal modern estuarine setting. *Sedimentary Geology* 296: 1-8.

- Cuadrado, D.G., Carmona, N.B., & Bournod, C.N. 2012. Mineral precipitation on modern siliciclastic tidal flats colonized by microbial mats. *Sedimentary Geology* 271-272: 58-66.
- Carmona, N.B., Ponce, J.J., Wetzel, A., Bournod, C.N., & Cuadrado, D.G. 2012. Microbially induced sedimentary structures in Neogene tidal flats from Argentina: Paleoenvironmental, stratigraphic and taphonomic implications. *Palaeogeography, Palaeoclimatology, Palaeoecology* 353-355: 1-9.
- Cuadrado, D.G., Carmona, N.B. & Bournod, C.N. 2011. Biostabilization of sediments by microbial mats in a temperate siliciclastic tidal flat, Bahia Blanca estuary (Argentina). *Sedimentary Geology* 237: 95-101.
- Ponce, J.J., & Carmona N.B. 2011. Coarse-grained sediment waves in hyperpycnal clinoform systems, Miocene of the Austral foreland basin, Argentina. *Geology* 39: 763-766.
- Carmona, N.B., Mángano, M.G., Buatois, L.A. & Ponce, J.J. 2010. Taphonomy and paleoecology of the bivalve trace fossil *Protovigularia* in deltaic heterolithic facies of the Miocene Chenque Formation, Patagonia, Argentina. *Journal of Paleontology* 84: 730-738.
- Carmona, N.B., Buatois, L.A., Ponce, J.J., & Mángano, M.G. 2009. Ichnology and sedimentology of a tide-influenced delta, Lower Miocene Chenque Formation, Patagonia, Argentina: Trace-fossil distribution and response to environmental stresses. *Palaeogeography, Palaeoclimatology, Palaeoecology* 273: 75-86.
- Carmona, N.B., Buatois, L.A., Mángano, M.G. & Bromley, R.G. 2008. Ichnology of the Lower Miocene Chenque Formation, Patagonia, Argentina: Animal-substrate interactions and the Modern Evolutionary Fauna. *Ameghiniana* 45: 93-122.
- López Cabrera, M.I., Olivero, E.B., Carmona, N.B. & Ponce, J.J. 2008. Cenozoic trace fossils of the *Cruziana*, *Zoophycos*, and *Nereites* ichnofacies from the Fuegian Andes, Argentina. *Ameghiniana* 45: 377-392.
- Carmona, N.B., Mángano, M.G., Buatois, L.A. & Ponce, J.J. 2007. Bivalve trace fossils in an early Miocene discontinuity surface in Patagonia, Argentina: Burrowing behavior and implications for ichnotaxonomy at the firmground-hardground divide. *Palaeogeography, Palaeoclimatology, Palaeoecology* 255: 329-341.
- Carmona, N.B., Ponce, J.J., Mángano, M.G. & Buatois, L.A. 2006. Variabilidad de las icnofacies de *Glossifungites* en el contacto entre las Formaciones Sarmiento (Eoceno-Oligoceno) y Chenque (Mioceno temprano) en el Golfo San Jorge, Chubut, Argentina. *Ameghiniana*: 43(2): 413-425.

- Mángano, M.G., Carmona, N.B., Buatois, L.A. & Muñiz Guinea, F. 2005. A new ichnospecies of *Arthropycus* from the Upper Cambrian of Northwest Argentina. Implications for the Arthropycid lineage and potential in ichnostratigraphy. *Ichnos* 12: 179-190.
- Carmona, N.B., Buatois, L.A. & Mángano, M.G. 2004. The trace fossil record of burrowing decapod crustaceans: evaluating evolutionary radiations and behavioural convergence. *Fossil and Strata* 51: 141-153.
- Carmona, N.B. & Buatois, L.A. 2003. Estructuras de crustáceos en el Mioceno de la Cuenca del Golfo San Jorge: Implicancias paleobiológicas y evolutivas. *Publicación Especial de la Asociación Paleontológica Argentina* 9: 97-108.
- Buatois, L.A., Bromley, R.G., Mángano, M.G., Bellosi, E. & Carmona, N.B. 2003. Ichnology of shallow marine deposits in the Miocene Chenque Formation of Patagonia: complex ecologic structure and niche partitioning in Neogene ecosystems. *Publicación Especial de la Asociación Paleontológica Argentina* 9: 85-95.

13- Chapters published in books and special issues

- Noffke, N., Beraldi-Campesi, H., Callefo, F., Carmona, N.B., Cuadrado, D.G., Hickman-Lewis, K., Homann, M., Mitchell, R., Sheldon, N., Westall, F., & Xiao, S. 2022. Part B, Volume 2, Chapter 5: Microbially induced sedimentary structures (MISS). *Treatise Online* 162:1-29, 17 fig. The University of Kansas, Paleontological Institute, ISSN (online) 2153-4012
- Carmona, N.B. & Cerutti, P. 2022. Políticas institucionales para la incorporación de la perspectiva de género en la Universidad Nacional de Río Negro: desarrollo histórico y desafíos a futuro. In: *DEL ENFOQUE DE IGUALDAD DE GÉNERO EN UNIVERSIDADES DE AMÉRICA LATINA: Experiencias, reflexiones y contribuciones para el futuro de la educación superior*. Compiladora: Gloria Bonder. Cátedra Regional UNESCO Mujer, Ciencia y Tecnología en América Latina. Pp: 83-94.
- Carmona, N.B., Ponce, J.J., Buatois, L.A. & Mángano, M.G. 2022. D 25. Icnología de ambientes marinos del Mesozoico y Cenozoico. In: *Relatorio XXI Congreso Geológico Argentino, Puerto Madryn, Geología y Recursos Naturales de la Provincia del Chubut*. Pp. 1186-1199. ISBN 978-987-48319-0-3.
- Carmona, N.B. 2020. Icnotaxonomia: critérios de classificação dos icnofósseis. In: Sedorko, D. and Francischini, H. (eds). *Icnologia: interações entre organismos e substratos*. CRV, 2020. Pp. 31-48. ISBN Digital 978-65-5578-075-8, ISBN Físico 978-65-5578-074-1, DOI 10.24824/978655578074.1

- Buatois, L.A., Carmona, N.B., Curran, A.H., Netto, R.G., Mángano, M.G. & Wetzel, A. 2016. The Mesozoic marine revolution. In: Buatois, L.A. and Mángano, M.G. (eds.), *The trace fossil records of major evolutionary changes*, vol. 2. *Topics in Geobiology* 40 pp. 19-134. Springer.
- Ponce, J.J.; Montagna, A.O.; Carmona, N.; & Canale, N. 2015. Estructuras sedimentarias inorgánicas, mecánicas y químicas. In: Ponce, J.J., Montagna, A.O. & Carmona, N. (Eds.). *Geología de la cuenca Neuquina y sus sistemas petroleros: una mirada integradora desde los afloramientos al subsuelo*. Fundación YPF-UNRN. p. 48-71.
- Carmona, N.; Ponce, J.J.; Canale, N. & Montagna, A.O. 2015. Estructuras sedimentarias orgánicas: bioturbación. In: Ponce, J.J., Montagna, A.O. & Carmona, N. (Eds.). *Geología de la cuenca Neuquina y sus sistemas petroleros: una mirada integradora desde los afloramientos al subsuelo*. Fundación YPF-UNRN. p. 72-93.
- Carmona, N.B., Buatois, L.A., Mángano, M.G., Bromley, R.G., Ponce, J.J. & Bellosi, E. 2012. Ichnology of Cenozoic marine deposits from Patagonia (Southern Argentina): The role of the modern evolutionary fauna in Neogene infaunal ecosystems. In: Ichnology of Latin America – selected papers (Netto, R.G.; Carmona, N.B. & Tognoli, F.M.W., eds.). *Sociedade Brasileira de Paleontologia, Monografias da Sociedade Brasileira de Paleontologia* Porto Alegre, Brasil, pp. 83-97.
- Carmona N.B., & Ponce J.J. 2011. Ichnology and sedimentology of Miocene hyperpycnites of the Austral Basin foreland (Tierra del Fuego, Argentina): trace-fossil distribution and paleoecological implications. In: *AAPG Studies in Geology* 61. "Sediment transfer from shelf to deepwater: revisiting the delivery mechanisms" (Slatt, R. & Zavala, C., eds.). 171-192 pp.
- Ponce J.J., & Carmona N.B. 2011. Miocene deep-marine hyperpycnal channel-levee complexes, Tierra del Fuego, Argentina: Facies Associations and Architectural Elements. In: *AAPG Studies in Geology* 61. "Sediment transfer from shelf to deepwater: revisiting the delivery mechanisms" (Slatt, R. & Zavala, C., eds.). 75-93 pp.
- Carmona, N.B., Bournod, C.N., Ponce, J.J., & Cuadrado, D.G. 2011. The role of microbial mats in the preservation of bird footprints: a case study from the mesotidal Bahía Blanca estuary (Argentina). In: *SEPM Special Publication N° 101. Microbial Mats in Siliciclastic Depositional Systems Through Time*. (Noffke, N. and Chafetz, H., eds.) pp. 37-45.

14- Book

- Ponce, J.J., Carmona, N. & Montagna, A.O. 2018. *Atlas de estructuras sedimentarias inorgánicas y biogénicas: descripción, análisis e interpretación a partir de afloramientos*,

testigos corona y registro de imágenes de pozo. 1st Ed. Buenos Aires: Fundación YPF, 2018. 170 p. ISBN 978-987-4153-07-4.

15- Edited Books

- Ponce, J.J., Montagna, A.O. & Carmona, N. 2015. Geología de la cuenca Neuquina y sus sistemas petroleros: una mirada integradora desde los afloramientos al subsuelo. Fundación YPF-UNRN. 149 p.
<https://universidadysteam.fundacionypf.org/Documentos/GEOLOGIA-CUENCA-NEUQUINA.pdf>
- Netto, R.G.; Carmona, N.B. & Tognoli, F.M.W. 2012. Ichnology of Latin America – selected papers. Sociedade Brasileira de Paleontologia, Monografias da Sociedade Brasileira de Paleontologia. Porto Alegre, Brasil. 196 p.
- Dashtgard, S.E. & Carmona, N.B. 2011. Ichnology Newsletter Volume 28. Burnaby, British Columbia, Canadá. 59 p.

16- Field Guides

- Ponce, J.J., Carmona, N., Montagna, A.O. & Canale, N. 2015. *Sedimentología e icnología de los sistemas petroleros no convencionales de la Cuenca Neuquina (Los Molles-Lajas y Vaca Muerta-Quintuco)*. Field Guide. 112 pp.
- Ponce, J.J.; Montagna, A.O.; Carmona, N.; & Canale, N. 2014. Estructuras sedimentarias. In: Ponce, J.J., Montagna, A.O. & Carmona, N. (Eds.). *Escuela de Campo: Geología de la cuenca Neuquina y sus sistemas petroleros: una mirada integradora desde los afloramientos al subsuelo*. Fundación YPF-UNRN. p. 91-148.
- Carmona, N.; Ponce, J.J.; Canale, N. & Montagna, A.O. 2014. Estructuras sedimentarias orgánicas: bioturbación. In: Ponce, J.J., Montagna, A.O. y Carmona, N. (Eds.). *Escuela de Campo: Geología de la cuenca Neuquina y sus sistemas petroleros: una mirada integradora desde los afloramientos al subsuelo*. Fundación YPF-UNRN. p. 149-192.
- Ponce, J.J.; Montagna, A.O. & Carmona, N. 2014. *Escuela de Campo: Geología de la cuenca Neuquina y sus sistemas petroleros: una mirada integradora desde los afloramientos al subsuelo*. Guía Teórica. 221pp.
- Carmona, N.B., Ponce, J.J., Wetzel, A., Bournod, C.N., & Cuadrado, D.G. 2013. Marine trace fossils and microbially induced sedimentary structures of the Miocene-Pliocene Rio Negro Formation, Rio Negro province, Argentina. *SLIC2013 – Second Latin American Symposium on Ichnology. Post Symposium Field-trip Guide* pp: 8-26.
- Carmona, N.B., Ponce, J.J., Olivero, E.B., López Cabrera, M.I. & Martinioni, D.R. 2008. Ichnology of the Miocene hyperpyncites of the Austral Basin, Tierra del Fuego,

- Argentina. In: Ponce, J.J. & Olivero, E.B. (Eds.) *Sediment Transfer from Shelf to Deepwater - Revisiting the Delivery Mechanisms. AAPG Hedberg Research Conference Guidebook*. pp.49-62.
- López Cabrera, M.I., Olivero, E.B., Carmona, N.B. & Ponce, J.J. 2007. Cenozoic trace fossils from turbidite systems of the Fuegian Andes, Argentina. In: *Field trip guidebook. V Reunión Argentina de Icnología y III Reunión de Icnología del MERCOSUR*. Pp. 21-26.
 - Olivero; E.B., Ponce, J.J., Carmona, N.B., López Cabrera, M.I. & Martinioni, D.R. 2007. Field trip. The geology of the fuegian andes: cenozoic stratigraphy and ichnology. In: *Field trip guidebook. V Reunión Argentina de Icnología y III Reunión de Icnología del MERCOSUR*. Pp. 27-44.
 - Carmona, N.B., Buatois, L.A., Mángano, M.G., Bromley, R.G. & Bellosi, E.S. 2004. Chapter 4. Shallow marine invertebrate trace fossils from the lower Miocene Chenque Formation (Chubut and Santa Cruz provinces). In: Bellosi, E. y Melchor, R.N. *Fieldtrip guidebook. First International Congress on Ichnology*. Pp. 67-79.

17- Abstracts in congress

- Sedorko, D., Nascimento, D.L., Carmona, N.B., Netto, R.G. Rangel, C.G., Ramos, & K.S., Alessandretti, L. 2024. Neoichnological analysis of mole cricket burrows: implications of substrate moisture changes on preservation and morphology. ICHNIA 2024 - The 5th International Congress on Ichnology, April 2024. Brazil.
- Paz, M., Mángano, M.G., Buatois, L.A., Desjardins, P.R., Minisini, D., Tomassini, F.G., Rodriguez, M.N., Pereira, E., Fantín, M. Parada, M.N., & Carmona, N.B. 2023. The role of oxygen and substrate on trace-fossil distribution in the fine-grained Vaca Muerta Formation (Upper Jurassic-Lower Cretaceous, Argentina). IAS Meeting 2023.
- Parada, M., Ponce, J.J., Canale, N., Carmona, N.B., & Campetella, D.M. 2022. Sesión Técnica I – ESTRATIGRAFÍA: Análisis sedimentológico e icnológico de la sección basal de la Formación Picún Leufú en su localidad tipo, Cuenca Neuquina, Argentina. *Congreso. XXI Congreso Geológico Argentino*. Puerto Madryn. 2022. Abstract Book.
- Ponce, J.J., & Carmona, N.B. 2022. Recurrencia de las descargas hiperpícnicas en el registro estratigráfico Terciario de la Cuenca Austral de Tierra del Fuego, Argentina. Puerto Madryn. 2022. Abstract Book. Congreso. XXI Congreso Geológico Argentino.
- Ponce, J.J., Jait, D., Carmona, N.B., Rojas, C., & Cevallos, M. 2022. Análisis sedimentológico e icnológico de testigos corona de la Formación Anita (Cretácico Superior), Cuenca Austral, Argentina. Puerto Madryn. 2022. Abstract Book. Congreso. XXI Congreso Geológico Argentino.

- Campetella, D., Rodriguez, M., Ponce, J.J., Carmona, N.B., Parada, M., Canale, N., & Irastorza, A. 2022. Análisis icnológico e implicancias paleoambientales de las formaciones Sierra Chacaicó y Los Molles en el área de Arroyo Lapa, Cuenca Neuquina, Argentina. Puerto Madryn. 2022. Abstract Book. Congreso. XXI Congreso Geológico Argentino.
- Paz, M., Buatois, L.A., Mángano, M.G., Desjardins, P.R., González Tomassini, F., Rodríguez, M.N., Ponce, J.J., Minisini, D., Carmona, N.B., & Vallejo, M.D., 2022. Contourites in the Upper Jurassic-Lower Cretaceous Vaca Muerta Formation: Implications for the depositional model and sequence stratigraphy. Actas del XXI Congreso Geológico Argentino, March 2022: p. 963–964, Puerto Madryn, Argentina.
- Noffke, N., Selden, P., Ausich, W., Carmona, N.B., Heimann Ríos, A., Hickman-Lewis, K., Homann, M., Mitchell, R., Sheldon, N., Shapiro, R., Visscher, P., Westall, F., Wilmeth, D., and Xiao, S. 2022. Treatise of invertebrate paleontology: a volume dedicated to prokaryotes. Session No. 104. D22. Paleontology: Recent Developments in Phylogeny, Morphological Patterns, and Biogeography. GSA Connects 2022. Paper No. 104-1.
- Paz, M., Mángano, M.G., Buatois, L.A., Desjardins, P.R., Notta, R., González Tomassini, F.G. & Carmona, N.B., 2021. Ichnofabrics from muddy shallow-water bottom current deposits, Upper Jurassic-Lower Cretaceous Vaca Muerta Formation, Argentina. 16th International Ichnofabric Workshop, November 2021, online meeting.
- Carmona, N.B., Tranel, L. & Cremeans, M. 2019. *Association for Women Geoscientists: principios, objetivos y acciones para fomentar las geociencias entre las mujeres*. Jornadas Género, Ciencia, Tecnología e Innovación: conocimientos estratégicos para el desarrollo humano y sostenible. Cátedra Regional UNESCO, Mujer, Ciencia y Tecnología, FLACSO. 28-29 de November de 2019. Buenos Aires.
- Marasco, L., Asher, P.M., Whitesell, L., Abshire, W., Sumy, D., Carmona, N.B., Savoie, K. & Emmanuel, J. 2019. Virtual Mentoring as a potential pathway to increase retention of historically underrepresented minority students in the Geosciences (Invited Presentation). Geological Society of America *Abstracts with Programs*. Vol. 51, No. 5 doi: 10.1130/abs/2019AM-331655
- Carmona, N.B., Mángano, M.G., Buatois, L.A., Bromley, R.G., Ponce, J.J., Asgaard, U., & Bellosi, E. 2018. *Scolicia* and its producer in shallow marine deposits of the Lower Miocene Chenque Formation of Patagonia, Argentina: Functional morphology and implications for understanding burrowing behavior. Geological Society of America *Abstracts with Programs*. Vol. 50, No. 6, ISSN 0016-7592 doi: 10.1130/abs/2018AM-322266

- Paz, M., Mángano, M.G., Buatois, L.A., Carmona, N.B., Desjardins, P., Reijenstein, H. & González Tomassini, F. 2018. Bottom currents in the Jurassic-Cretaceous Vaca Muerta Formation black shales (Argentina): an example of benthos response to oxygen delivery in oxygen-deficient environments. 20th International Sedimentological Congress, Quebec, Canada.
- Paz, M., Mángano, M.G., Buatois, L.A., Desjardins, P., Carmona, N. & Ponce, J. 2018. Tracing oxygen fluctuations with ichnology from core data: The case of the Jurassic-Cretaceous Vaca Muerta Formation, Argentina. Canadian Palaeontological Convention 2018, Saskatoon.
- Paz, M., Ponce, J.J., Carmona, N.B., Mángano, M.G. & Buatois, L.A. 2018. The Upper Jurassic Vaca Muerta basal deposits in the Picún Leufú area, Neuquén Basin: Evidence of a rapid transgression. XVI Argentinean Sedimentological Meeting, General Roca, Argentina.
- Campetella, D.M., Rodríguez, M.N., Ponce, J.J., Carmona, N.B., Wetzel, A., Parada, M.N. & Canale, N. 2018. Análisis icnológico de la Formación Los Molles en la Cordillera del Viento, cuenca Neuquina, Argentina. XVI Reunión Argentina de Sedimentología. Abstract Book. p. 173. General Roca, Argentina
- Canale N., Ponce, J.J., Carmona, N.B. & Merlo, M. 2018. Icnología de sistemas de canal-albardón hiperpícnico al tope de la Formación Los Molles en el área de arroyo Carreri. XVI Reunión Argentina de Sedimentología. Abstract Book. p. 152. General Roca, Argentina.
- Rodríguez, M.N., Campetella, D.M., Carmona, N.B. & Ponce, J.J. 2018. Estructuras sedimentarias inducidas por actividad microbiana en depósitos de la Formación Los Molles, cordillera del viento, cuenca Neuquina. XVI Reunión Argentina de Sedimentología. Abstract Book. p. 178. General Roca, Argentina.
- Wesolowski, L.J., Buatois, L.A., Mángano, M.G., Ponce, J.J. & Carmona, N.B. 2017. Trace fossils, sedimentary facies and parasequence architecture from the Lower Cretaceous Mulichinco Formation of Argentina: The role of fair-weather waves in shoreface deposits. GSA Annual Meeting, Seattle.
- Paz, M., Ponce, J.J., Buatois, L., Mángano, M.G., Carmona, N.B. & Desjardins, P. 2017c. Seismic scale bottomset facies of a mixed carbonate siliciclastic ramp: The Jurassic-Cretaceous Vaca Muerta Formation in the Picún Leufú area, Neuquén basin, Argentina. Geological Society of America Rocky Mountain Section Meeting, June 8-10, Calgary, Canada.
- Paz, M., Ponce, J.J., Buatois, L.A., Mángano, M.G. and Carmona, N.B. 2017a. Ichnology and sedimentology of the Upper Jurassic - Lower Cretaceous Vaca Muerta Formation in

- the Picún Leufú area, Neuquen basin. XX Congreso Geológico Argentino, Simposio 5, Geología de la Formación Vaca Muerta, Abstract Book.: 113-115, Tucumán, Argentina.
- Paz, M., Desjardins, P., Mángano, M.G., Buatois, L.A., Ponce, J.J., Carmona, N.B., Fantín, M.A., Reijenstein, H. & Vallejo, M.D. 2017b. Ichnology and sedimentology of the Upper Jurassic - Lower Cretaceous Vaca Muerta Formation, central Neuquen basin. XX Congreso Geológico Argentino, Simposio 5, Geología de la Formación Vaca Muerta, Abstract Book: 110-112, Tucumán, Argentina.
 - Ponce, J.J., Carmona, N.; Wetzel, A. & Paz, M. 2016. Sedimentología e icnología del tramo basal de la Formación Vaca Muerta, Cuenca Neuquina, Argentina: implicancias en el análisis de la transgresión del Tithoniano. XV Reunión Argentina de Sedimentología. La Pampa. Abstract Book. p 136.
 - Carmona, N., Ponce J.J. & Wetzel A. 2016. Sedimentología e icnología de la Formación Sierra Chacaicó en la localidad de Arroyo Lapa, Cuenca Neuquina, Argentina. XV Reunión Argentina de Sedimentología. La Pampa. Abstract Book. p. 53.
 - Ponce, J.J., Carmona, N.B., Canale, N., Campetella, D., Gómez, R., Cabana, M.C., Parada, M., Campos, L., Mercado M., Lothari, L., Villa, S., Martínez E., Mezquida, M., Díaz Presas S., Colipán, E., Merlo, M., Assis, S., López Fernández, D. & Canale, J.I. 2016. Análisis icnológico de la Formación Candeleros (Cretácico Superior), Grupo Neuquén, en el área del Cañadón Escondido. XI CAPA, General Roca. Abstract Book. p 83.
 - Buatois, L.A., Carmona, N.B., Curran, A.H., Netto, R.G., Mángano, M.G. & Wetzel, A. 2015. The trace-fossil record of the Mesozoic marine revolution. XIII International Ichnofabric Workshop, Kochi, Japan.
 - Canale, N., Ponce, J.J. & Carmona, N.B. 2015. Icnología y sedimentología en deltas asimétricos dominados por oleaje, Formación Lajas, Cuenca Neuquina. Argentina. III Simposio Latinoamericano de Icnología (SLIC 2015), Abstract Book. p. 25, Colonia del Sacramento, Uruguay.
 - Wetzel, A., Carmona, N.B., & Ponce, J.J. 2014. Tidal signature recorded in burrow fill. IAS Meeting 2014, Geneva.
 - Carmona, N.B., Ponce, J.J., Wetzel, A., Bournod, C.N., & Cuadrado, D. 2014. Ichnology of the Marine Member of the Rio Negro Formation: an update. 4th International Paleontological Congress, Mendoza, Argentina. 2014. Abstract Book. p. 233.
 - Buatois, L.A.; Narbonne, G.M.; Mángano, M.G.; Carmona, N.B. & Myrow, P. 2014. Relict ecosystems at the dawn of the Phanerozoic Revolution. International Paleontological Congress. Mendoza 2014.
 - Ponce, J.J. & Carmona, N.B. 2014. Formación Desdémona (Oligoceno Superior-Mioceno Inferior), Cuenca Austral, Argentina: implicancias del reconocimiento de icnofacies

- sustrato controladas en sucesiones de fangolitas. XIV Reunión Argentina de Sedimentología. Puerto Madryn, Argentina. Abstract Book. p. 222.
- Canale, N., Ponce, J.J. & Carmona, N.B. 2014. Análisis icnológico e implicancias paleoecológicas de la Formación Lotena al norte de la localidad de Zapala, Neuquén, Argentina. XIV Reunión Argentina de Sedimentología. Puerto Madryn, Argentina. Abstract Book. p. 62.
 - Carmona, N.B., Ponce, J.J., Wetzel, A., Bournod, C. & Cuadrado, D. 2014. Icnología y sedimentología de los depósitos marinos de la Formación Río Negro (Mioceno-Plioceno): implicancias paleoambientales. XIV Reunión Argentina de Sedimentología. Puerto Madryn, Argentina. Abstract Book. p. 67.
 - Canale, N., Ponce, J.J., Bournod, C.N., Martínez, M.A. & Carmona, N.B., 2013. Ondas de sedimento de grano fino generadas por corrientes hiperpícnicas en deltas fluvio-dominados de la Formación Lajas (Jurásico Medio), Cuenca Neuquina, Argentina. V Simposio Argentino Jurásico, Abstract Book. p. 15, Trelew, Argentina.
 - Buatois, L.A., Mángano, M.G. & Carmona, N.B. 2013. Icnología del Jurásico: Interacciones animales-sustrato y el origen de los ecosistemas marinos modernos. V Simposio Argentino Jurásico, Abstract Book. p. 13, Trelew, Argentina.
 - Carmona, N.B., Ponce, J.J., Wetzel, A., Bournod, C. & Cuadrado, D. 2013. Paleoenvironmental implications of resting, locomotion and equilibrium/escape structures of freshwater bivalves, Río Negro Formation (late Miocene-early Pliocene). SLIC 2013. La Pampa, Argentina, Abstract Book p. 31.
 - Canale, N., Ponce, J.J., Carmona, N.B. & Drittanti, D. 2013. Caracterización icnológica de sistemas de barras deltaicas de la Formación Lajas en la Sierra de la Vaca Muerta (Jurásico Medio), Cuenca Neuquina, Argentina. SLIC 2013. La Pampa, Argentina, Abstract Book p. 30.
 - Wetzel, A., Carmona, N.B., & Ponce, J.J. 2013. Tidal Signature recorded by burrow fill: an example from the Miocene of Patagonia. XII International Ichnofabric Workshop, Canakkale, Turquía.
 - Bournod, C.N.; Carmona, N.B.; Ponce, J.J. & Cuadrado, D.G. 2012. Caracterización de las estructuras sedimentarias inducidas por actividad microbiana (ESIAM) en planicies de marea del estuario de Bahía Blanca. XIII Reunión Argentina de Sedimentología. Salta.
 - Ponce, J.J. & Carmona, N.B. 2012. Complejos de canal-albardón hiperpícnicos generados en ambientes marinos profundos, mioceno de Cuenca Austral de Tierra del Fuego: facies, asociaciones de facies y elementos arquitecturales. XIII Reunión Argentina de Sedimentología. Salta.

- Ponce, J.J. y Carmona, N.B. 2012. Ondas de sedimento generadas por descargas hiperpicnicas en cliniformas de ambientes marinos, mioceno de la Cuenca Austral de Tierra del Fuego, Argentina. XIII Reunión Argentina de Sedimentología. Salta.
- Ponce, J.J.; Canale, N.B.; Carmona, N.B.; Bournod, C.N.; Martínez, M.A. & Olivera, D.E. 2012. Sedimentología e icnología en sucesiones hiperpícnicas de la Formación Lajas, Área de Portada Covunco, Neuquén, Argentina. XIII Reunión Argentina de Sedimentología. Salta.
- Carmona, N.B., Bournod, C.N., Ponce, J.J., Cuadrado, D.G., & Wetzel, A. 2012. Microbial mats and their Role in the preservation of vertebrate footprints: modern tracks and their fossil counterparts. ICHNIA. 3th International Congress on Ichnology. Newfoundland, Canada. Abstract Book p: 20.
- Carmona, N.B., Buatois, L.A, Mángano, M.G., Bromley, R.G, Ponce, J.J., & Bellosi, E. 2012. Ichnology of Marine Deposits from Patagonia (Southern Argentina): the Role of the Modern Evolutionary Fauna in Neogene Infaunal Ecosystems. ICHNIA. 3th International Congress on Ichnology. Newfoundland, Canada. Abstract Book p: 21.
- Carmona, N.B., Mángano, M.G., Buatois, L.A, Bromley, R.G, Bellosi, E., Ponce, J.J. & Parma, G. 2011. Análisis del icnogénero *Scolicia* y su organismo productor en depósitos de la Formación Chenque (Mioceno temprano), provincia de Santa Cruz, Argentina: implicancias morfo-etológicas. 1er Congreso Latinoamericano de Equinodermos. Puerto Madryn, Argentina. Abstract Book.
- Carmona, N.B., Cuadrado, D.G., Ponce, J.J. & Pizani, N.V. 2010. Preservation of recent footprints in an estuarine tidal-flat with development of microbial mats: implications for the analysis of fossil tracks. SEPM Field Conference. Microbial Mats in Siliciclastic Deposits (Archean to Today). May 2010, Colorado, Denver. Estados Unidos.
- Carmona, N.B., Buatois, L.A., & Mángano, M.G. 2010. Crustacean ichnology in marine environments: an update. Workshop on Crustacean Bioturbation – Fossil and Recent. May 2010, Huelva, España.
- Carmona, N.B. 2010. Icnología de los depósitos marinos miocenos de Patagonia: el rol de la fauna evolutiva moderna en ecosistemas infaunales del Neógeno. X Congreso Argentino de Paleontología y Bioestratigrafía VII Congreso Latinoamericano de Paleontología. September 2010. La Plata, Argentina - Abstract Book p. 76.
- Bournod, C.N., Ponce, J.J., Carmona, N.B., & Cuadrado D.G. 2010. Microscopic and field characterization of microbial mats in the Bahía Blanca Estuary. 18th International Sedimentological Congress - Mendoza, Argentina. Abstract Book p. 195.
- Carmona, N.B., Cuadrado D.G., Ponce J.J., & Bournod, C.N. 2010. Biostabilization vs. bioturbation: the analysis of biogenic structures associated with modern microbial

- mats in the Bahia Blanca estuary. 18th International Sedimentological Congress-Mendoza, Argentina. Abstract Book p. 221.
- Ponce, J.J., & Carmona, N.B., 2010. Miocene hyperpycnal channel-levee complexes, Tierra del Fuego, Argentina: Facies associations and trace-fossil distribution. Simposio Latinoamericano de Icnología - Sao Leopoldo, Brasil. Abstract Book p. 53.
 - Cuadrado, D.G., Grill, S., Carmona, N.B. & Pizani, N.V. 2009. Indicios de diagénesis temprana en planicies de marea actuales. I Reunión Argentina de Geoquímica de la Superficie. Abstract Book pp.90.
 - Carmona, N.B., Ponce, J.J., López-Cabrera, M.I. & Olivero, E.B. 2008. Trace fossil diversity in hyperpycnites: ethologic implications and comparison to trace fossil in episodic gravity flows. AAPG Hedberg Conference "Sediment Transfer from Shelf to Deepwater - Revisiting the Delivery Mechanisms" March 2008, Ushuaia. Argentina.
 - Carmona, N.B., Mángano, M.G., Buatois, L.A. & Ponce, J.J. 2008. Protobranch trace fossils in Miocene tide-influenced deltaic deposits from the Chenque Formation: role of substrate in morphologic variations. XII Reunión Argentina de Sedimentología. June 2008. Abstract Book pp. 49.
 - Carmona, N.B., Ponce, J.J., Olivero, E.B., López-Cabrera, M.I. & Martinioni, D.R. 2008. Ichnology of Miocene hyperpycnites in the foreland Austral Basin, Tierra del Fuego, Argentina. ICHNIA 2008. August – Poland.
 - Ponce, J.J., Carmona, N.B. & Martinioni, D.R. 2007. Trazas de escape generadas por bivalvos retransportados en hiperpicnitas del Mioceno de Tierra del Fuego. V Reunión Argentina de Icnología y III Reunión de Icnología del MERCOSUR. Abstract Book: p. 30.
 - López Cabrera, M.I., Olivero, E.B., Carmona, N.B. & Ponce, J.J. 2007. Trace fossils of Cenozoic turbidite systems from the Fuegian Andes, Argentina. V Reunión Argentina de Icnología y III Reunión de Icnología del MERCOSUR. Abstract Book: p. 22.
 - Carmona, N.B., Ponce, J.J., Mángano, M.G. and Buatois, L.A. 2007. Ichnology of tide-dominated deltaic deposits from the lower Miocene Chenque Formation, Patagonia, Argentina. International Ichnofabric Workshop IX. August 2007.
 - Carmona, N.B., Ponce, J.J., López-Cabrera, M.I. & Olivero, E.B. 2006. Distribución y diversidad de trazas fósiles en hiperpicnitas: implicancias etológicas y comparación con patrones de trazas fósiles en turbiditas clásicas. 9º Congreso Argentino de Paleontología y Bioestratigrafía. Abstract Book: p. 279.
 - López-Cabrera, M.I., Olivero, E.B., Carmona, N.B. & Ponce, J.J. 2006. La icnosubfacies de *Ophiomorpha rudis* en el Eoceno de Tierra del Fuego. 9º Congreso Argentino de Paleontología y Bioestratigrafía. Abstract Book: p. 288.

- Carmona, N.B., Mángano, M.G., Buatois, L.A. & Ponce, J.J. 2006. Bivalve trace fossils from an early Miocene discontinuity surface: Burrowing behaviour and implications for ichnotaxonomy at the firmground-hardground divide. GSA Annual Meeting and Exposition. Abstracts with programs: p. 536.
- Carmona, N.B., Ponce, J.J., Mángano, M.G. & Buatois, L.A. 2005. Icnología de depósitos mareales de la Formación Chenque (Mioceno temprano) en Caleta Olivia, Santa Cruz, Argentina. Reunión Anual de Comunicaciones y Simposio del 50º Aniversario de la Asociación Paleontológica Argentina y I Simposio de Paleontología y Geología de la Península Valdés. Abstract Book: p. 40.
- Olivero, E.B., López-Cabrera. M.I., Ponce, J.J., & Carmona, N.B. 2005. Icnofacies de *Nereites* (Cretácico superior- Neógeno) en Tierra del Fuego: composición e implicancias paleoambientales. Reunión Anual de Comunicaciones y Simposio del 50º Aniversario de la Asociación Paleontológica Argentina y I Simposio de Paleontología y Geología de la Península Valdés. Abstract Book: p. 62.
- Carmona, N.B., Ponce, J.J., Mángano, M.G & Buatois, L.A. 2004. Variability of the *Glossifungites* ichnofacies at the Lower Miocene boundary between the Sarmiento and Chenque Formations, Patagonia, Argentina. First International Congress on Ichnology. Abstract book: p.23.
- Carmona, N., Bromley, R., Buatois, L.A., Mángano, M.G. & Bellosi, E. 2003. Ichnofabric análisis of a shallow marine deposit, Chenque Formation, Lower Miocene, Punta Delgada, Patagonia, Argentina. VII International Ichnofabric Workshop. Abstract Book: 16.
- Buatois, L.A., Bromley, R.G., Carmona, N.B., Mángano, M.G. & Bellosi, E. 2003. Tiering structure and ichnoguilds from Miocene lower shoreface deposits, Playa Las Cuevas, Patagonia, Argentina. VII International Ichnofabric Workshop. Abstract Book: p.15.
- Carmona, N.B., Paredes, J.M., Buatois, L.A. & Mángano, M.G. 2002. Trazas fósiles y arquitectura de cuerpos sedimentarios en ambientes dominados por mareas, Formación Chenque, Mioceno inferior, provincia de Chubut. IX Reunión Argentina de Sedimentología. Abstract Book: pág. 61.
- Carmona, N.B., Buatois, L.A. & Mángano, M.G. 2002. The trace fossil record of the decapod crustacean radiations. 1st International Paleontological Congress. Abstract Book N° 68: 29-30.
- Carmona, N.B., Buatois, L.A. & Mángano, M.G. 2002. El rol de los crustáceos decápodos como bioturbadores claves en ecosistemas marinos someros: Un análisis comparativo a lo largo del Fanerozoico. VIII Congreso Argentino de Paleontología y Bioestratigrafía. Resúmenes: pág. 106.

- Buatois, L.A., Bromley, R.G., Mángano, M.G., Carmona, N.B. y Bellosi, E. 2002. Evidencias icnológicas de estructuras ecológicas complejas en comunidades endobentónicas neógenas, Formación Chenque, Mioceno de Patagonia. VIII Congreso Argentino de Paleontología y Bioestratigrafía. Abstract Book: pp. 105-106.
- Carmona, N.B. & Buatois, L.A. 2001. Estructuras de crustáceos en el Mioceno de la Cuenca del Golfo San Jorge: Implicancias paleobiológicas y evolutivas. IV Reunión Argentina de Icnología y II Reunión del MERCOSUR. Abstract Book: pp. 34.
- Buatois, L.A., Bromley, R.G., Mángano, M.G., Bellosi, E. & Carmona, N.B. 2001. Ichnology of shallow marine deposits in the Miocene Chenque Formation of Patagonia: complex ecologic structure and niche partitioning in Neogene ecosystems. IV Reunión Argentina de Icnología y II Reunión del MERCOSUR. Abstract Book. pp. 33.
- Carmona, N.B. 2000. El icnogénero *Ophiomorpha* en depósitos miocenos de Patagonia, Argentina: Implicancias paleoetológicas y paleoecológicas. Memorias del XIV Congreso Geológico Boliviano. Abstract Book pp. 112-114.

18- Technical Reports

- Ponce, J.J. & Carmona, N.B. 2023. Estudio de 37 m de testigo corona perteneciente al pozo El Cerrito Norte-4 (ECN-4), Cuenca Austral. STAN to: Compañía General de Combustibles S.A.
- Ponce, J.J. & Carmona, N.B. 2021a. Análisis sedimentológico e icnológico en testigos corona de las formaciones Palermo Aike y Magallanes. STAN to: Compañía General de Combustibles S.A. 95 pp.
- Ponce, J.J. & Carmona, N.B. 2021b. Análisis sedimentológico e icnológico en afloramientos de la Formación Río Mayer (Cretácico Temprano), Cuenca Austral, Argentina. STAN To Compañía General de Combustibles S.A. 15 pp.
- Ponce, J.J., & Carmona, N.B. 2020. ANÁLISIS SEDIMENTOLÓGICO E ICNOLÓGICO EN TESTIGOS CORONA DE LA FORMACIÓN MAGALLANES INFERIOR (RESERVORIOS M3 Y M2), CUENCA AUSTRAL. Asesoramientos, consultorías y asistencias técnicas. STAN To Compañía General de Combustibles S.A.
- Ponce, J.J., & Carmona, N.B. 2020. Servicio eventual. Análisis Sedimentológico e Icnológico del Testigo corona Campo La Mata X-1 (CLM X-1), Cuenca Austral, Argentina. .STAN To Compañía General de Combustibles S.A.
- Ponce, J.J., & Carmona, N.B. 2020. Servicio eventual. Análisis Sedimentológico e Icnológico en Testigos corona de la Formación Anita, Cuenca Austral. . STAN To Compañía General de Combustibles S.A.

- Ponce, J.J., & Carmona, N.B. 2019. Servicio eventual. Análisis Sedimentológico e Icnológico del Testigo corona ECO-5, Formación Magallanes, Cuenca Austral. STAN To Compañía General de Combustibles S.A.
- Ponce, J.J., & Carmona, N.B. 2018. Servicio eventual. Análisis sedimentológico e icnológico en coronas de la Formación Palermo Aike. STAN To Compañía General de Combustibles S.A.
- Ponce, J.J., & Carmona, N.B. 2017. Servicio eventual. Análisis sedimentológico e icnológico en testigos corona de la Formación Magallanes. STAN To Compañía General de Combustibles S.A.
- Quattrocchio, M. E., Calvo, J., Carmona, N., Concheyro, A., Cusminsky, G., Del Fueyo, G. M., Di Pasquo, M., Goin, F., Espinosa, M., Ortiz Jaureguizar, E., & Zucol, A. 2015. Paleontología. pp. 349-372. En: E. Vallés (ed.). Estado y Perspectivas de las Ciencias Exactas, Físicas y Naturales en la Argentina Academia Nacional de Ciencias. Ministerio de Ciencia, Tecnología e Innovación Productiva de la Nación, 457pp.

19- Conference Organization

- ICHNIA 2024 - The 5th International Congress on Ichnology, April 2024. Brazil. Chair of the Scientific Committee.
- Simposio Mujeres en Paleontología: perspectivas actuales y herramientas para promover su participación (Symposium Women in Paleontology: current perspectives and tools to promote their participation). November 2021. Congreso de la Asociación Paleontológica Argentina.
- Solve Climate by 2030. Un diálogo global. Webinar Universidad Nacional de Río Negro. Organizadora. 9 April 2021. <http://www.solveclimateby2030.org/>
- Field Experience Program SEPM. 2-8 December 2019. Coordinator. Viedma. Río Negro.
- XVI Reunión Argentina de Sedimentología 2018. November 2018. General Roca, Río Negro.
- President of the Congress of the Argentinian Paleontological Association. October 2016. General Roca, Río Negro.
- Organization Field School UNRN 2015 "Sedimentology and ichnology of unconventional petroleum systems (Los Molles-Lajas and Vaca Muerta Quintuco)". March 27 to April 4, 2015.
- Organization of the Session "Ichnology of marine and continental environments" during the XIV Argentine Sedimentology Meeting. Puerto Madryn, September 1-5, 2014.

- Organization of the 2014 UNRN Field School "Geology of the Neuquén Basin and its petroleum systems: an integrative look from outcrops to subsurface". February 25 to March 4, 2014.
- Organization of the Post-Congress Field Trip of the Latin American Symposium of Ichnology. Part: Days 1-2, Río Negro Formation. September 13-14, 2013.
- Secretary of the Latin American Symposium of Ichnology (SLIC 2010). Porto Alegre, Brasil. October-November 2010.
- Co-Organizer AAPG Hedberg Conference. "Sediment Transfer from Shelf to Deepwater -Revisiting the Delivery Mechanisms". March 3-7, 2008, Ushuaia-Patagonia, Argentina.
- Co-Organizer V Reunión Argentina de Icnología y III Reunión de Icnología del MERCOSUR. Ushuaia, Tierra del Fuego, March 2007.
- Coordinator Simposio "Importancia de la Icnología en Paleoecología, Paleobiología y Macroevolución" 9º Congreso Argentino de Paleontología y Bioestratigrafía. Córdoba, September 2006.
- Co-Organizer IV Reunión Argentina de Icnología y Segunda Reunión de Icnología del MERCOSUR. San Miguel de Tucumán, 24-28 September 2001.

20- Grant reviews

- Agencia Nacional de Promoción Científica y Tecnológica (Argentina) PICT 2020. December 2021.
- Argentinian Research Council (CONICET)
- External evaluator of the Consejo Nacional de Investigaciones Científicas y Técnicas, PROYECTOS UBACYT,
- External evaluator National Agency for Research and Innovation (ANII) of Uruguay.
- Member of the *ad hoc* Committee of the call PICT-2019 Open Topics Category, Earth and Hydro-Atmospheric Sciences Area. NATIONAL AGENCY FOR PROMOTION OF RESEARCH, TECHNOLOGICAL DEVELOPMENT AND INNOVATION (R+D+i Agency). December 2020.

21- Thesis Evaluations

- External Reviewer PhD dissertation Scott Melnyk. University of Alberta, Canada. (December 2023).
- External Reviewer of the qualification examination for the PhD Thesis of Sara Cristina Memória Campelo. University of Vale do Rio dos Sinos - UNISINOS. Brazil (May 2023).
- Member of the evaluation Committee of the Undergraduate Thesis Karen Verónica Vázquez. UNRN (March 2021).

- External Reviewer PhD dissertation Jorge Villegas. Universidade do Vale do Rio dos Sinos – UNISINOS. Brazil. (February 2019).
- External Reviewer PhD dissertation Samuel Henrique Noll. Universidade do Vale do Rio dos Sinos – UNISINOS. Brazil. (January 2018).
- Member of the evaluation Committee of the Undergraduate Thesis Patricio Andrade. Universidad Nacional de Río Negro. (September 2017).
- External Reviewer Master Dissertation Jorge Villegas. Universidade do Vale do Rio dos Sinos – UNISINOS. Brasil. May 2014.
- External Reviewer Master dissertation João Henrique Dobler Lima's Master's thesis. University of Vale do Rio dos Sinos - UNISINOS. Brazil. (July 2010).
- External Reviewer PhD Thesis María Victoria Sánchez. University of Buenos Aires. (December 2009).
- Doctoral Thesis Committee of Cecilia Pirrone. National University of Cuyo. Ichnology of bone remains in Cretaceous continental environments of Argentina: Implications for the reconstruction of biotic interactions and food webs.

22- Review of Research and teaching positions

- Member of the evaluation committee for the Final Reports Scholarships Pampa Azul (May 2024).
- Member of the AGI 2022 Ian Campbell Nominating Committee (February 2022).
- Member of the Grants Advisory Committee - Earth Sciences. CONICET (Call for applications 2021-2022).
- Coordinating Member of the IIPG Evaluation Committee for the position of Laboratory Technician. CONICET. March 2021.
- External evaluator- CONICET - Call CIC 2019. Year 2020.
- Member of the evaluation committee for the Teaching position in Paleontology-Biology area. October 22, 2019. Universidad Nacional de Río Negro.
- Member of the evaluation committee for the Teaching position, Provision No. 509/2019. June 2019.
- Member of the evaluation committee for the Teaching position Taller de Metodología y Práctica Geológica y Paleontológica I (Geological and Paleontological Methodology and Practice Workshop I). Alto Valle - Valle Medio Campus of the National University of Río Negro. Provision No. 1300/2018. March 26, 2019.
- Member of the evaluation committee for the Teaching position Taller de Metodología y Práctica Geológica y Paleontológica II (Geological and Paleontological Methodology

and Practice Workshop II). Alto Valle - Valle Medio Campus. National University of Río Negro. Provision No. 1300/2018. March 26, 2019.

- Member of the evaluation committee for the Teaching position. Soil Science. Alto Valle - Valle Medio Campus. National University of Río Negro. August 2017.
- Member of the evaluation committee Final Reports Grants EVC-CIN 2020-2018-2017.
- Member of the evaluation committee for the Scholarships of the Argentinian Paleontological Association (APA) for graduate students. April 2017.
- Member of the evaluation committee for the Osvaldo Reig and Florentino Ameghino Awards (2013).

23- Journal Editorships

- Editorial Board, Revista de la Asociación Geológica Argentina. Since 2024.
- Handling Editor Palaeontologia Electronica since 2022.
- Associate Editor ICHNOS since 2019.
- Co-editor Ichnology Newsletter (2011).

24- Reviewer of papers submitted to the following journals

- Ameghiniana; Cretaceous Research; Palaios; Ichnos; Transactions of the Royal Society; Turkish Journal of Earth Sciences; Special Publication of the Asociación Geológica Argentina; Palaeogeography, Palaeoclimatology, Palaeoecology; Journal of Paleontology; Revista Brasileira de Paleontología; Palaeontologia Electronica; Polar Research; Lethaia; RAGA.

25- Other activities related to the promotion of science and outreach

- Interview "Playing with Science." FOCO UNRN - Radio Nacional. <https://www.youtube.com/watch?v=gF3RBRO7TBk>
- Article about the Science Workshop for Children. <https://www.lmcipolletti.com/la-unrn-promueve-el-pensamiento-cientifico-ninos-y-ninas-n914139>
- "Aprender jugando". <https://unrn.tv/foco/aprender-jugando-ciencia-para-ninos-y-ninas-noelia-carmona/>
- AWG Interview to Jill Schneiderman regarding Diversity and Inclusion in Earth Sciences by Noelia Carmona, AWG President E-News June 2021. Pp. 5-7.
- AWG Interview with Dr. Consuelo Sendino, Curator, Natural History Museum, London By Noelia Carmona, AWG President. GAEA Spring Quarterly 2021.

- AWG Interview to Evie Swire and Anya Pearson regarding the project Mary Anning Rocks (<https://www.maryanningrocks.co.uk/>). By Noelia Carmona, AWG President. E-News December 2020. Pp 5-8.
- Interview UNRN: Day of Women and Girls in Science. <https://www.unrn.edu.ar/noticias/Dia-de-la-Mujer-y-la-Nina-en-la-Ciencia-Si-no-nos-involucramos-no-podemos-esperar-cambios-578>
- Delegate of the Argentine Paleontological Association (up to 2024).
- Scientific Coordinator of the Program “Scientists go to Schools 2017” (National Program for the Promotion of Science and Innovation - Ministry of Science, Technology and Productive Innovation).
- Participation as scientific collaborator of the Textile Design and Innovation Month at the Cultural Center of Science. Month of November 2016.
- Participation in the “Scientists go to Schools 2016” Program (National Program for the Promotion of Science and Innovation - Ministry of Science, Technology and Productive Innovation).
- Co-coordinator of the “Chic@s conCiencia” Science Club at the Biblioteca Popular Lucía Epullán, General Roca, Río Negro, since March 2016.
- Member of the Research, Artistic Creation, Development and Technology Transfer Council of the Sede Alto Valle-Valle Medio, UNRN. Since 2015.