

BIBLIOGRAFÍA

- Aguirre-Urreta, M.B.** (1987) La icnofacies Teredolites en el Cretácico de la Cuenca Austral Argentina. *X Congreso Geológico Argentino (Tucumán) Actas III*, 143-148.
- Aitken, J.F. y Flint, S.S.** (1996) Variable expressions of interfluvial sequence boundaries in the Brathitt Group (Pennsylvanian), eastern Kentucky, USA. En: *High Resolution Sequence Stratigraphy: Innovations and Applications* Howell, J.A. y Aitken, J.F. (Eds.) *Geological Society of London Special Publication* **104**, 193-206.
- Ameghino, F.** (1893) Sobre la presencia de vertebrados de aspecto mesozoico en la formación Santacrucense de la Patagonia austral. *Revista del Jardín Zoológico de Buenos Aires* **1**, 76:84.
- Ameghino, F.** (1899a) Nota preliminar sobre el *Loncosaurus argentinus*, un representante de la familia de los Megalosauridae en la República Argentina. *Anales de la Sociedad Científica Argentina*, **47**, 61-62.
- Ameghino, F.** (1899b) Suplemento, Sinopsis geológico-paleontológica, 13pp., La Plata.
- Ameghino, F.** (1906) Les formations sédimentaires du Crétacé Supérieur et du Tertiaire de Patagonia, avec un parallèle entre leurs faunes mammalogiques et celles de l'ancient continent. *Anales del Museo Nacional de Buenos Aires*, **15**, 1-568.
- Andreis, R.R.** (1981) Identificación e Importancia Geológica de los Paleosuelos. *Editora da Universidade, Universidade Federal do Rio Grande do Sul*, Porto Alegre, Brasil.
- Allen, J.R.L.** (1984) Experiments on the settling, overturning and entrainment of bivalve shells and related models. *Sedimentology*, **31**, 227-250.
- Arbe, H. y Hechem J.** (1984) Estratigrafía y facies de depósitos continentales, litorales y marinos del Cretácico superior, lago Argentino. *Actas IX Congreso Geológico Argentino*, **7**, 124-158.
- Arbe, H.A.** (1981) Síntesis Preliminar del Cretácico de la Cuenca Austral. Yac. Petrol. Fiscales. Trabajo Inédito, Buenos Aires.
- Arbe, H.A.** (1980 -1984) Informes Mensuales. Comisión Geológica N°2, Yac. Petrol. Fiscales. Trabajo Inédito, Buenos Aires.
- Arbe, H.A.** (1986). El Cretácico de la Cuenca Austral: sus ciclos de Sedimentación. Tesis doctoral inédita. Universidad de Buenos Aires Facultad de Ciencias Exactas y Naturales, Buenos Aires.
- Arbe, H.A.** (1989) Estratigrafía, discontinuidades y evolución sedimentaria del Cretácico en la Cuenca Austral, Prov. de Santa Cruz. En: *Cuencas Sedimentarias Argentinas*. G. Chebli and L.A. Spalletti (Eds.) Instituto Superior de Correlación Geológica, Universidad Nacional de Tucumán, Serie de Correlación Geológica, **6**, 419-442.
- Arbe, H.A.** (2002) Análisis estratigráfico del Cretácico de la Cuenca Austral. En: *Geología y Recursos Naturales de Santa Cruz*. M.J. Haller (Ed.) XV Congreso Geológico Argentino, pp. 103-128.
- Archangelsky, S.** (2009) Biogeographic implications of Albian Mohria-like spores (Family Anemiaceae) in SW Gondwana (Patagonia). *Review of Palaeobotany and Palynology* **157**, 301-308.
- Arndorff, L.** (1993) Lateral relations of deltaic palaeosols from the Lower Jurassic Ronne Formation on the Island of Bornholm, Denmark. *Palaeogeography, Palaeoclimatology, Palaeoecology* **100**, 235-250.

- Arrondo, O.G.** (1983) *Informe estudio paleontológico*. Informe Inédito, Yacimientos Petrolíferos Fiscales (Y.P.F.), Buenos Aires.
- Aslan, A. y Autin, W.J.** (1998) Holocene flood–plain soil formation in the southern lower Mississippi Valley: implications for interpreting alluvial paleosols. *Geological Society of America Bulletin* **110**, 433-449.
- Atkinson, C.D.** (1986) Tectonic control on alluvial sedimentation as revealed by an ancient catena in the Capella Formation (Eocene) of northern Spain. En: *Paleosols: Their Recognition and Interpretation* Wright, V.P. (Ed.) *Blackwell Scientific Publications*, Oxford, 139-179.
- Bates, C.D.** (1953) Rational theory of delta formation. *American Association of Petroleum Geologists Bulletin* **37**, 2119-2162.
- Bates, R.L. y Jackson, J.A.** (1984) Dictionary of Geological Terms, 3er edition. Prepared by the American Geological Institute. *Anchor Press/Doubleday*, New York, pp. 571.
- Bhattacharya, J.P.** (2006) Detas. En: *Facies Models Revisited*. H.W. Posamentier y R.G. Walker (Eds.) *SEPM Special Publication* **84**, 237-292.
- Bhattacharya, J.P. y Giosan, L.** (2003) Wave-influenced deltas: geomorphological implications for facies reconstruction. *Sedimentology* **50**, 187-210.
- Beaumont, C.** (1981) Foreland Basins. *Geophysical Journal of the Royal Astronomical Society*, **65**, 291-329.
- Berner, R.A.** (1984) Sedimentary pyrite formation: an update. *Geochimica et Cosmochimica Acta* **48**, 605-615.
- Berry E.W.** (1928) Tertiary fossil plants from the Argentine Republic. U. S. Nat. Mus. Prc., Washington, **73** (22), 1-27.
- Berry E.W.** (1937) An Upper Cretaceous flora from Patagonia. Johns Hopkins University Stud. Geol., Baltimore, **12**, 11-31.
- Best, M. G. y Christiansen, E. H.** (2001) Igneous Petrology. *Blackwell Science*, Oxford, England, 460 pp
- Bestland, E.A.** (1997) Alluvial terraces and paleosols as indicators of early Oligocene climate change, John Day Formation, Oregon. *Journal of Sedimentary Research* **67A**, 840-855.
- Beynon, B.M. y Pemberton, S.G.** (1992), Ichnological signature of a brackish water deposit; an example from the Lower Cretaceous Grand Rapids Formation, Cold Lake oil sands area, Alberta. En: *Applications of Ichnology to Petroleum Exploration: A Core Workshop* Pemberton, S.G. (Ed.) *SEPM Core Workshop* **17**, 199-221.
- Bianchi, J.L.** (1967) *Informe preliminar acerca de los perfiles estratigráficos realizados en el sector occidental de la Cuenca Austral, durante las campañas 1964-65 y 1965-66*. Informe Inédito, Yacimientos Petrolíferos Fiscales (Y.P.F.), Buenos Aires.
- Biddle, K., Uliana M., Mitchum R.Jr., Fitzgerald, M. y Wright R.** (1986) The stratigraphic and structural evolution of central and eastern Magallanes Basin, Southern America. En: *Foreland basins*, P. Allen and P. Homewood (Eds.), *International Association of Sedimentology Special Publication*, **8**, 41-61.

- Birnie, A.C. y Paterson, E.** (1991) The mineralogy and morphology of iron and manganese oxides in an imperfectly-drained Scottish soil. *Geoderma* **50**, 219-237.
- Blasco, G.B., Nullo F. y Proserpio C.** (1980) Santoniano-Campaniano: Estratigrafía y contenido amonítifero, Cuenca Austral. *Revista de la Asociación Geológica Argentina*, **35** (4), 467-493.
- Blodgett, R.H.** (1988) Calcareous paleosols in the Triassic Dolores Formation, southwestern Colorado. En: *Paleosols and Weathering Through Geologic Time* Reinhardt, J. y Sigleo, W.R. (Eds.) *Geological Society of America Special Paper* **216**, 103-121.
- Blum, M.D.** (1994) Genesis and architecture of incised valley fill sequences: a Late Quaternary example from the Colorado River, Gulf Coastal Plain of Texas. En: *Siliciclastic Sequence Stratigraphy: Recent Developments and Applications* Weimer, P. y Posamentier, H. (Eds.) *American Association of Petroleum Geologists Memoir* **58**, 259-283.
- Blum, M.D.** (2009) Role of continental margin incised-valley systems in the emerging source-to-sink paradigm. 9th International Conference on Fluvial Sedimentology. *Actas Geológica Lilloana* **21**, pp. 7.
- Blum, M.D. y Törnqvist, T.E.** (2000) Fluvial responses to climate and sea-level change: a review and look forward. *Sedimentology* **47**, 2-48.
- Blum, M.D. y Valastro, S. Jr.** (1994) Late Quaternary sedimentation, lower Colorado River, Gulf Coastal Plain of Texas. *Geological Society of American Bulletin* **106**, 1002-1016.
- Bockelie, J.F.** (1994) Plant roots in core, in Donovan, S.K., ed., *The Palaeobiology of Trace Fossils. The Johns Hopkins University Press*, Baltimore, Maryland, 177-199.
- Bodine, J.H., Steckler, M.S. y Watts, A.B.** (1981) Observations of flexure and the rheology of the oceanic lithosphere. *Journal of Geophysical Research* **86**, 3695-3707.
- Bonarelli, G. y Nagera J.J.** (1921) Observaciones geológicas en las inmediaciones del lago San Martín (territorio de Santa Cruz). *Dirección General de Minas, Buenos Aires, Boletín*, **27b**, pp. 1-39.
- Bossi, G.E.** (2007) Análisis de Paleocorrientes. Ediciones Magna, San Miguel de Tucumán, pp. 1-200.
- Bown, T.M. y Kraus, M.J.** (1987) Integration of channel and floodplain suites: I. Developmental sequence and lateral relations of alluvial paleosols. *Journal of Sedimentary Petrology* **57**, 587-601.
- Boyd, R., Dalrymple, R. y Zaitlin, B.A.** (1992) Classification of clastic coastal depositional environments. *Sedimentary Geology* **80**, 139-150.
- Boyd, R., Dalrymple, R.W. y Zaitlin, B.A.** (2006) Estuarine and Incised-Valley Facies Model. En: *Facies Model Revisited*. H.W. Posamentier and R.G. Walker (Eds.), *SEPM Special Publication* **84**, 171-235.
- Brady, N.C. y Weil, R.R.** (1999) Elements of the Nature and Properties of Soils:Upper Saddle River. *Prentice Hall*, New Jersey, pp.559.
- Brenner, R.L. y Davies, D.K.** (1973) Storm-Generated Coquinoid Sandstone: Genesis of High-Energy Marine Sediments from the Upper Jurassic of Wyoming and Montana. *Geological Society of American Bulletin* **84**, 1685-1689.
- Bridge, J.S.** (2003) *Rivers and Floodplains: Forms, Processes, and Sedimentary Record*. Blackwell Publishing, Oxford, 491 pp.

- Bridge, J.S.** (2006) Fluvial facies model: recent developments. En: *Facies Models Revisited*. H.W. Posamentier y R.G. Walker (Eds.) *SEPM Special Publication* **84**, 85-170.
- Bridge, J.S.** (2008) Discussion of articles in “Sedimentary features of tsunami deposits”. *Sedimentary Geology* **211**, 94.
- Bridge, J.S. y Leeder, M.R.** (1979) A simulation model of alluvial stratigraphy. *Sedimentology* **26**, 599-623.
- Bridge, J.S., Jalfin, G.A. y Georgieff, S.M.** (2000) Geometry, lithofacies, and spatial distribution of Cretaceous fluvial sandstone bodies, San Jorge Basin, Argentina: outcrop analog for the hydrocarbon-bearing Chubut Group. *Journal of Sedimentary Research* **70**, 341-359.
- Brindley, G.W.** (1961) Quantitative analysis of clay mixture. En: *The X-Ray Identification and Crystal Structure of Clay Minerals* G. Brown (Ed.) *Mineralogical Society*, London, 489-516.
- Brinkman, R. y Pons, L.J.** (1973) Recognition and prediction of acid sulfate soil conditions. En: *Acid Sulfate Soils* Dost, H. (Ed.) *International Institute for Land Reclamation and Improvements Publication* **18**, 169-203.
- Broin F. de y de la Fuente, M.S.** (1993) Les tortues fossiles d'Argentine: Synthèse. *Annales de Paléontologie* **79**, 169-232.
- Brown, G. y Brindley, G.W.** (1980) X-ray diffraction procedures for clay mineral identification. En: *Crystal Structures of Clay Minerals and Their X-Ray Identification* G.W. Brindley y G. Brown (Eds.) *Mineralogical Society*, London, 305-359.
- Bruce, R.B., Nelson, E.P., Eaver, S.G. y Lux, D.R.** (1991) Temporal and spatial variations in the southern Patagonian batholith; constraints on magmatic arc development. En: Harmon, R.S., and Rapela, C.W. (Eds.), Andean magmatism and its tectonic setting. *Geological Society of America Special Paper* **265**, 1-12.
- Buatois, L., Mangano, M.G., Maples, C.G. y Lanier, W.P.** (1997) The paradox of nonmarine ichnofacies in tidal rhythmites: integrating sedimentologic and ichnologic data from the late Carboniferous of eastern Kansas, U.S.A. *Palaios* **12**, 467-481.
- Buatois, L.A., Gingras, M.K., Maceachern, J., Mangano, M.G., Zonneveld, J.-P., Pemberton, G., Netto, R.G. y Martin, A.** (2005) Colonization of brackish-water systems through time: Evidence from the tracefossil record. *Palaios* **20**, 321-347.
- Bullock, P., Federoff, N., Jongerius, A., Stoops, G. y Tursina, T.** (1985) Handbook for Soil Thin Section Description. Waine Research Publications, Albrighton, pp. 1-152.
- Bush, R.T. y Sullivan, L.A.** (1999) Pyrite micromorphology in three Australian Holocene sediments. *Australian Journal of Soil Research* **37**, 637-654.
- Busquets Buenzo, P., Colombo Piñol, F., Heredia Carballo, N., Rodríguez Fernández, R., Solé de Porta, N. y Álvarez-Marrón, J.** (2002) El Holoceno del valle del Río Jáchal, Precordillera Andina (San Juan, Argentina): caracterización sedimentológica, estratigráfica y palinológica. *XV Congreso Geológico Argentino Actas* **1**, 765-770.
- Cabrera, A.** (1941) Un Plesiosaurio nuevo de Cretácico del Chubut. *Revista del Museo de la Plata* II: 113-130.

- Canessa, N.D., Poiré, D.G. y Doyle, P.** (2005) Estratigrafía de las unidades Cretácicas de la margen Norte del Lago Viedma, entre el Cerro Pirámides y la estancia Santa Margarita, provincia de Santa Cruz, República Argentina. En: Cabaleri N., Cingolani, C.A., Linares, E., López de Luchi, M.G., Ostera, H.A. y Panarello, H.O. (Eds.) *Actas del XVI Congreso Geológico Argentino CD-ROM* **Artículo N° 366**, 8pp.
- Carson, C.D., Fanning, D.S. y Dixon, J.B.** (1982) Alfisols and Ultisols with acid sulfate weathering features in Texas. En: *Acid Sulfate Weathering* Kittrick, J.A., Fanning, D.S. y Hossner, L.R. (Eds.) *Soil Science Society of America, Special Publication 10*, 127-146.
- Cagnolatti, M. y Millar, M.** (2002). Los reservorios de la Formación Magallanes. En Schiuma, M.; G. Hinterwimer, G. Vergani (Eds.), Simposio Rocas Reservorio de las Cuencas Productivas de la Argentina, V Congreso De Exploración y Desarrollo de Hidrocarburos, 91-114.
- Catuneanu, O., Abreu, V., Bhattacharya, J.P., Blum, M.D., Dalrymple, R.W., Eriksson, P.G., Fielding, C.R., Fisher, W.L., Galloway, W.E., Gibling, M.R., Giles, K.A., Holbrook, J.M., Jordan, R., Kendall, C.G.St.C., Macurda, B., Martinsen, O.J., Miall, A.D., Neal, J.E., Numedal, D., Pomar, L., Posamentier, H.W., Pratt, B.R., Sarg, J.F., Shanley, K.W., Steel, R.J., Strasser, A., Tucker, M.E. y Winker, C.** (2009) Towards the standardization of sequence stratigraphy. *Earth Science Reviews* **92**, 1-33.
- Chiappe, L., Rivarola, D., Cione, A.L., Fregenal-Martínez, M., Sozzi, H., Buatois, L., Gallego, O., Laza, J., Romero, E.J., López Arbarello, A., Buscalioni, A., Marsicano, C., Adamonis, S., Ortega, F., McGehee, S., y Di Iorio, O.** (1998) Biotic association and palaeoenvironmental reconstruction of the "Loma del Pterodaustro" fossil site (Early Cretaceous, Argentina). *Geobios* **31**, 349-369.
- Cione, A.L., Gourie, S., Goin, F. y Poiré, D.** (2007) *Atlantoceratodus*, a new genus of lungfish from upper Cretaceous of South America and Africa. *Revista del Museo de La Plata. Paleontología* **10** (62), 1-12.
- Clifton, E.H.** (2006) A reexamination of facies models for clastic shorelines. En: *Facies Models Revisited*. H.W. Posamentier y R.G. Walker (Eds.) *SEPM Special Publication 84*, 293-337.
- Coleman, J.M. y Wright, L.D.** (1975) Modern river deltas: variability of processes and sand bodies: En: *Deltas, Models for Exploration: Houston* Broussard, M.L. (Ed.) *Houston Geological Society*, 99-149.
- Collinson, J.D. y Thompson, D.B.** (1989) Sedimentary Structures. Segunda Edición. Unwin Hyman, London, UK, pp. 1-207.
- Collinson, J.D., Mountney, N. y Thompson, D.** (2006) Sedimentary Structures. Tercera Edición. Terra Publishing. Harpenden, England, pp. 292.
- Colombo, F., Limarino, C., Busquets, P., Solé de Porta, N., Heredia, N., Rodríguez-Fernández, R. y Álvarez-Marrón, J.** (2005) Primeras edades absolutas de los depósitos lacustres holocenos del río Jáchal, Precordillera de San Juan. *Revista de la Asociación Geológica Argentina* **60 (3)**, 605-608.
- Critelli, S., Le Pera, E. e Ingersoll, R.V.** (1997) The effects of source lithology, transport, deposition and sampling scale on the composition of southern California sand. *Sedimentology* **44**, 653-671.
- Dalrymple, R.W., Zaitlin, B.A. y Boyd, R.** (1992) Estuarine facies models: Conceptual basis and stratigraphic implications. *Journal of Sedimentary Petrology* **62**, 1130-1146.

- Dalziel, I.W.D.** (1981) Back-arc extension in the southern Andes: A review and critical reappraisal. *Royal Society of London Philosophical Transactions*, serie A 300, 319-335.
- Daniels, R.B., Gamble, E.E. y Nelson, L.A.** (1971) Relations between soil morphology and water table levels on a dissected North Carolina coastal plain surface. *Soil Science Society of America* **35**, 157-175.
- Dawson, A.G. y Stewart, I.** (2007) Tsunami deposits in geological record. *Sedimentary Geology* **200**, 166-183.
- DeCelles, P.G., Langford, R.P. y Schwartz, R.K.** (1983) Two new methods of paleocurrent determination from trough cross-stratification. *Journal of Sedimentary Petrology* **53**, 629-642.
- DeCelles, P.G. y Giles, K.A.** (1996) Foreland basin system. *Basin Research* **8**, 105-123.
- De la Fuente, M.S., Llapparent de Broin, F. y Manera de Bianco, T.** (2001) The oldest and first nearly complete skeleton of a chelid, of the Hydromedusa sub-group (Chelidae, Pleurodira), from the Upper Cretaceous of Patagonia. *Bullettin de la Société Géologique de France* **172**, 237-244.
- Dent, D.** (1986) Acid Sulphate Soils: A Baseline for Research and Development: Wageningen, The Netherlands. *International Institute for Land Reclamation and Improvements Publication* **39**, pp. 204
- Dickinson, W.R., Beard, L.S., Brakenridge, G.R., Erjavec, J.L., Ferguson, R.C., Inman, K.F., Kneppe, R.A., Lindberg, F.A. y Ryberg, P.T.** (1983) Provenance of North American Phanerozoic sandstones in relation to tectonic setting. *Geological Society of American Bulletin* **94**, 222-235.
- Dickinson, W.R. y Suczek, C.** (1979) Plate tectonics and sandstone composition. *American Association of Petroleum Geologist Bulletin* **63**, 2164-2182.
- Donato, S.V., Reinhardt, E.G., Boyce, J.I., Rothaus, R., y Vosmer, T.** (2008) Identifying tsunami deposits using bivalve shell taphonomy. *Geology* **36**, 199-202.
- Dott, R.H.** (1964) Wacke, graywacke and matrix. What approach to immature sandstones classification? *Journal of Sedimentary Petrology* **34**, 625-632.
- Duchaufour, P.** (1982) Pedology. *George Allen & Unwin Ltd.*, London, pp.448.
- Ekdale, A.A., Bromley, R.G. y Pemberton, S.G.** (1984) Ichnology: The Use of Trace Fossils in Sedimentology and Stratigraphy. *SEPM, Short Course Notes* **15**, pp.317.
- Fanning, D.S. y Fanning, M.C.B.** (1989) Soil: Morphology, Genesis, and Classification. *John Wiley & Sons*, New York, pp. 395.
- Fastovsky, D.E. y McSweeney, K.** (1987) Paleosols spanning the Cretaceous–Paleogene transition, eastern Montana and western North Dakota. *Geological Society of America Bulletin* **99**, 66-77.
- Food and Agriculture Organisation / United Nations Scientific and Cultural Organization** (1974) Soil Map of the World. Vol. I, Legend. Unesco, Paris.
- Ferrer, O.** (2002) Estratigrafía e icnología de la Formación Piedra Clavada en Tres Lagos, Cuencas Austral, Patagonia, Argentina. Tesis inédita, Universidad de Barcelona, Barcelona, 280 pp.
- Feruglio, E.** (1936) Nota preliminar sobre algunas nuevas especies de moluscos del Supracretáceo y Terciario de la Patagonia. *Notas del Museo de La Plata* **1**, *Paleontología*, 277-300.
- Feruglio, E.** (1937) Palontographia patagonica. *Memorie degli Istituti di Geologia e Mineralogia dell' Università di Padova* **11**, 1-384.
- Feruglio, E.** (1938) El Cretáceo superior del lago San Martín y de las regiones adyacentes. *Physis*, **12**, 293-342.

- Feruglio, E.** (1944) Estudios geológicos y glaciológicos en la región del lago Argentino (Patagonia). *Boletín Academia Nacional de Ciencias de Córdoba* **37** (1), 3-255..
- Fielding, C.R., Trueman, J. y Alexander, J.** (2005) Sedimentology of the modern and Holocene Burdekin River delta of North Queensland, Australia-Controlled by river output, not by waves and tides, En: *River Deltas-Concepts, Models, and Examples* Giosan, L. y Bhattacharya, J.P. (Eds.) *SEPM Special Publication* **83**, 467-496.
- Fielding, C.R., Corbett, M.J. y Birgenheier, L.P.** (2009) Sheet-like fluvial architecture on regional scales: examples from the Cretaceous western interior seaway of North America. 9th International Conference on Fluvial Sedimentology. *Actas Geológica Lilloana* **21**, pp. 32-33.
- Fildani, A., Cope, T.D., Graham, S.A. y Wooden, J.L.** (2003) Initiation of the Magallanes Foreland basin: Timing of the southernmost Patagonian Andes orogeny revised by detrital zircon provenance analysis. *Geology* **31**, 1081-1084.
- Fildani, A. y Hessler, A.M.** (2005) Stratigraphic record across a retroarc basin inversion: Rocas Verdes-Magallanes Basin, Patagonian Andes, Chile. *Geological Society of America Bulletin* **117**, 1596-1614.
- Flemings, P.B. y Jordan , T.E.** (1990) Stratigraphic modeling of foreland basins: interpreting thrust deformation and lithosphere rheology. *Geology*, **18**, 430-434.
- Folk, R.L., Andrews, P.B. y Lewis, D.W.** (1970) Detrital sedimentary rock classification and nomenclature for use in New Zealand. *New Zealand Journal of Geology and Geophysics* **13**, 937-968.
- Foscolos, A.E., Powell, T.G. y Gunther, P.R.** (1976) The use of clay minerals and inorganic and organic geochemical indicators for evaluating the degree of diagenesis and oil generating potential of shales. *Geochimica et Cosmochimica Acta* **40**, 953-966.
- Fossa Mancini, E., Feruglio, E. y Yussen de Campana, J.C.** (1938) Una Reunión de geólogos de Y.P.F. y el problema de la Terminología Estratigráfica. *Boletín de Informaciones Petroleras, Buenos Aires*, **171**, 31-95.
- Frei, D. & Gerdes, A.** (2009) Accurate and precise in-situ zircon U-Pb age dating with high spatial resolution and high sample throughput by automated LA-SF-ICP-MS. *Chemical Geology* **261** (3-4), 261-270.
- Frenguelli J.** (1953) La flora Fósil de la región del alto Río Chalía en Santa Cruz (Patagonia). *Notas Museo de La Plata*, **16** (paleontología 98), 239-257.
- Frenguelli J.** (1953) Reciente progresos en el conocimiento de la Geología y Paleogeografía de la Patagonia basados sobre el estudio de sus plantas fósiles. *Revista del Museo de La Plata*, **4** (geología 27), 321-341.
- Friend, P.F., Slater, M.J. y Williams, R.C.** (1979) Vertical and lateral building of river sandstone bodies, Ebro Spain. *Journal of the Geological Society of London* **136**, 39-46.
- Furque, G.** (1973) Descripción geológica de la Hoja 58b, Lago Argentino. *Servicio Nacional de Minería y Geología, Boletín* 140, pp. 1-49.
- Fürsich, F.T. & Oschmann, W.** (1986) Storm shell beds of *Nanogyra virgula* in the Upper Jurassic of France. *Neues Jahrbuch für Geologie und Paläontologie Abhandlungen* **172**, 141-16.
- Fürsich F.T. y Oschmann W.** (1993) Shell beds as tools in basin analysis: the Jurassic of Kachchh, Western India. *Journal of the Geological Society of London* **150**, 169-185.

- Fürsich, F.T., Sha, J., Jiang, B. y Pand, Y.** (2007) High resolution palaeoecological and taphonomic analysis of Early Cretaceous lake biota, western Liaoning (NE-China). *Palaeogeography, Palaeoclimatology, Palaeoecology* **253**, 434-457.
- Galloway, W.E.** (1975) Process framework for describing the morphologic and stratigraphic evolution of deltaic depositional systems. En: *Deltas, Models for Exploration: Houston* Broussard, M.L. (Ed.) *Houston Geological Society*, 87-98.
- Gasparini, Z. y de la Fuente, M.S.** (2000) Tortugas y plesiosaurios de la Formación La Colonia (Cretácico Superior) de Patagonia, Argentina. *Revista Española de Paleontología* **15**, 23-35.
- Gasparini, Z., de la Fuente, M.S., Casadío, S., Salgado, L., Fernández, M. y Concheyro, A.** (2002) Reptiles acuáticos en sedimentitas lacustres y marinas del Cretácico Superior de Patagonia (Río Negro, Argentina). En: *XV Congreso Geológico Argentino. Actas*, pp. 473-478.
- Gerdes, A. y Zeh, A.** (2006) Combined U-Pb and Hf isotope LA-(MC-) ICP-MS analyses of detrital zircons: Comparison with SHRIMP and new constraints for the provenance and age of an Armorican metasediment in Central Germany. *Earth and Planetary Science letters* **249**, 47-62.
- Gerdes, A. y Zeh, A.** (2009) Zircon formation versus zircon alteration – New insights from combined U-Pb and Lu-Hf in-situ La-ICP-MS analyses of Archean zircons from the Limpopo Belt. *Chemical Geology* **261** (3-4), 230-243.
- Goff, J.R., McFadgen, B.G. y Chagué-Goff, C.** (2004) Sedimentary differences between the 2002 Eastern storm and the 15th century Okoropunga tsunami, southeastern North Island, New Zealand. *Marine Geology* **204**, 235-250.
- Goin, F.J., Poiré, D.G., De La Fuente, M.S., Cione, A.L., Novas, F.E., Bellosi, E.S., Ambrosio, A., Ferrer, O., Canessa, N.D., Carloni, A., Ferigolo, J., Ribeiro, A.M., Sales Viana, M.S., Pascual, R., Reguero, M., Vucetich M.G., Marenssi, S., De Lima Filho, M. & Agostinho, S.** (2002) Paleontología y Geología de los sedimentos del Cretácico Superior aflorantes al sur del Río Shehuen (Mata Amarilla, Prov. de Santa Cruz, Argentina). En: *XV Congreso Geológico Argentino. Actas*, pp. 603-608.
- Greb, S.F., DiMichele, W.A. y Gastaldo, R.A.** (2006) Evolution and importance of wetlands in earth history. En: *wetlands through time*, Greb, S.F. y DiMichele, W.A. (Eds.) *Geological Society of America Special Paper* **399**, o. 1-40.
- Griffin y Varela (en prensa)** Mollusk fauna from the Mata Amarilla Formation (lower Upper Cretaceous), southern Patagonia Argentina. *Cretaceous Research*.
- Guccione, M.J.** (1993) Grain-size distribution of overbank sediment and its use to locate channel positions. En: *Alluvial Sedimentation* Marzo, M. y Puigdefabregas, C. (Eds.) *International Association of Sedimentology Special Publication* **17**, 185-194.
- Harrel, J.** (1984) A visual comparator for degree of sorting in thin and plane sections. *Journal of Sedimentary Research* **2**, 7-41.
- Hasiotis, S.T.** (2002) Continental Trace Fossils: Tulsa, Oklahoma. *SEPM Short Course Notes* **51**, pp.134.
- Hasiotis, S.T. y Honey, J.G.** (2000) Paleohydrologic and stratigraphic significance of crayfish burrows in continental deposits: examples from several Paleocene Laramide basins in the Rocky Mountains. *Journal of Sedimentary Research* **70**, 127-139.

- Hasiotis, S.T. y Mitchell, C.E.** (1993) A comparison of crayfish burrow morphologies: Triassic and Holocene fossil, paleo- and neo-ichnological evidence, and the identification of their burrowing signatures. *Ichnos* **2**, 291-314.
- Hauser, I., Oschmann, W. y Gischler, E.** (2008) Taphonomic signatures on modern caribbean bivalves shells as indicators of environmental conditions (Belize, Central America). *Palaeos* **23**, 586-600.
- Hervé, F., Pankhurst, R.J., Fanning, C.M., Calderón, M. y Yaxley, G.M.** (2007a) The South Patagonian batholith: 150 my of granite magmatism on a plate margin. *Lithos* **97**, 373-394.
- Hervé, F., Faundez, V., Calderón, M., Massonne, H.-J. y Willner, A.P.** (2007b) Metamorphic and plutonic basement complexes. En: *The Geology of Chile* Moreno, T., and Gibbons, W. (Eds.). *The Geological Society of London special publication*, pp. 5-20.
- Houston, W.S., Huntoon, J.E. y Kamola, D.L.** (2000) Modeling of Cretaceous Foreland-basin parasequences, Utah, with implications for timing of Sevier thrusting. *Geology* **28**, 267-270.
- Howell, J.A. y Flint, S.S.** (2003) Siliciclastic case study: The Book Cliffs. In: *The Sedimentary Record of Sea-Level Change* (Ed. A.L. Coe), Cambridge University Press, Cambridge, UK, pp. 135-208.
- Hsieh, Y.P. y Yang, C.H.** (1997) Pyrite accumulation and sulfate reduction as affected by root distribution in a *Juncus* (needle rush) salt marsh. *Estuaries* **20**, 640-645.
- Hubbard, S.M., Romans, B.W. y Graham, S.A.** (2008) Deep-water foreland basin deposits of Cerro Toro Formation, Magallanes basin, Chile: architectural elements of a sinuous basin axial channel belt. *Sedimentology* **55**, 1333-1359.
- Huerta, P. y Armenteros, I.** (2009) Formación de Dolomita Asociada a Procesos de Sulfato Reducción Bacteriana en Lagos Salinos Efímeros del Paleógeno de la Cuenca de Almazán. *Revista de la Sociedad Española de Mineralogía* **11**, 105-106.
- Iglesias, A., Romero, E. J., Poiré, D.G. & Zamuner, A.B.** (2002) Nueva taifoflora Cretácica de la Fm. Mata Amarilla, Sur de Santa Cruz, Argentina; descripción y nivel evolutivo alcanzado. Resúmenes Octavo Congreso Argentino de Paleontología y Bioestratigrafía, Corrientes, p.72.
- Iglesias, A., Zamuner, A.B., Larriestra, F., Poiré, D. G. y Romero, E. J.** (2004) Great Diversity of angiosperms in the Late Cretaceous, Mata Amarilla Formation, Patagonia, Argentina. Abstracts 7th International Organization of Paleobotany Conference, Bariloche, 58-59.
- Iglesias, A., Zamuner, A.B., Poiré, D. G y Larriestra, F.** (2007) Diversity, taphonomy and palaeoecology of an angiosperms flora from Cretaceous (Cenomanian-Coniacian) in Southern Patagonia, Argentina. *Palaeontology* **50**, 445-466.
- Iglesias, A., Zamuner, A.B., Poiré, D.G., Varela, A.N., Richiano, S. y Koefoed, C.** (2009) Albian-Campanian continuous record of compression floras in Tres Lagos, Austral Basin, Patagonia, Argentina. Abstract Reunión Anual de Comunicaciones de la Asociación Paleontológica Argentina. 51-52 pp.
- Ihering H. Von** (1899) Descripción de la Ostra guaranitica. *Anales de la Sociedad Científica Argentina*, Buenos Aires, **47**, 63-64.
- Ihering H.Von** (1907) Les mollusques fossiles du Tertiare et du Crétacé superieure de l'a Argentine. *Anales Museo Nacional de Buenos Aires*, **7** (3), 1-611.

- Imbellone, P.A., Guichon, B.A. y Giménez, J.E.** (2009) Hydromorphic soils of the Río de La Plata coastal plain, Argentina. *Latin American Journal of Sedimentology and Basin Analysis* **16** (1), 3-18.
- Ingersoll, R.V., Bullard, T.F., Ford, R.L., Grimm, J.P., Pickle, J.D. y Sares, S** (1984) The effect of grain size on detrital modes: A test of the Gazzi-Dickinson point-counting method. *Journal of Sedimentary Petrology* **54**, 103-116.
- Ingersoll, R.V.** (1990) Actualistic sandstone petrofacies: discriminating modern and ancient source rocks. *Geology* **18**, 733-736.
- Ingersoll, R.V., Kretchmer, A.G. y Valles, P.K.** (1993) The effect of sampling scale on actualistic sandstone petrofacies. *Sedimentology* **40**, 937-953.
- Jain, S.L.** (1983) A review of the genus Lepidotes (Actinopterygii: Semionotiformes) with special reference to the species from Kota Formation (Lower Jurassic, India). *Journal of the Paleontological Society of India* **28**, 7-42.
- Jordan, T.E.** (1995) Thrust loads and foreland basin evolution, Cretaceous, western United States. *American Association of Petroleum Geologists* **65**, 2506-2520.
- Jordan, T.E. y Flemings, P.B.** (1991) Large scale stratigraphic architecture, eustatic variation and unsteady tectonism: a theoretical evaluation. *Journal of Geophysical Research* **96**, 6681-6699.
- Jensen, M.A. y Pedersen, G.K.** (2010) Architecture of vertically stacked fluvial deposits, Atane Formation, Cretaceous, Nuussuaq, central West Greenland. *Sedimentology* **57**, 1280-1314.
- Kampf, N. y Schwertmann, U.** (1982) Goethite and hematite in a climosequence in southern Brazil and their application in classification of kaolinitic soils. *Geoderma* **29**, 27-39.
- Kamola, D.L. y Huntoon, J.E.** (1995) Repetitive stratal patterns in a foreland basin sandstone and their possible tectonic significance. *Geology* **23**, 177-180.
- Kidwell, S.M., Fürsich, F.T. & Aigner, T.** (1986) Conceptual framework for the analysis of fossil concentrations. *Palaios* **1**, 228-238.
- Kidwell, S.M.** (1991) The stratigraphy of shell concentrations, En: *Taphonomy: releasing the data locked in the fossil record*. P.A. Allison and D.E. Briggs (Eds.), *Topics in Geobiology*, Plenum Press, **9**, 211-290.
- Kidwell, S.M. y Bosence, D.W.J.** (1991) Taphonomy and time-averaging of marine shelly faunas, In: *Taphonomy: releasing the data locked in the fossil record*. P.A. Allison and D.E. Briggs (Eds.), *Topics in Geobiology*, Plenum Press, **9**, 115- 209.
- Kidwell, S.M. y Holland, S.M.** (1991) Field description of coarse bioclastics fabrics. *Palaios* **6**, 426-434.
- Kidwell, S.M. y Holland, S.M.** (2002) The Quality of the Fossil Record: Implications for Evolutionary Analyses. *The Annual Review of Ecology and Systematic* **33**, 561-588.
- Kineke, G.C., Wolfe, K.J., Kuehl, S.A., Milliman, J.D., Dellapenna T.M. y Purdon, R.G.** (2000) Sediment export from the Sepik River, Papua New Guinea: Evidence for a divergent dispersal system. *Continental Shelf Research* **20**, 2239-2266.
- Klappa, C.F.** (1980) Rhizoliths in terrestrial carbonates: classification, recognition, genesis, and significance. *Sedimentology* **26**, 613-629.

- Komatsubara, J., Fujiwara, O., Takada, K., Sawai, Y., Aung, T.T. y Kamataki, T.** (2008) Historical tsunamis and storms recorded in coastal lowland, Shizouka Prefecture, along the Pacific Coast of Japan. *Sedimentology* **55**, 1703-1716.
- Konhauser, K.O.** (1998) Diversity of bacterial iron mineralization. *Earth Science Reviews* **43**, 91-121.
- Kortekaas, S. y Dawson, A.G.** (2007) Distinguishing tsunami and storm deposits: An example from Martinhal, SW Portugal. *Sedimentay Geology* **200**, 208-221.
- Kraemer, P.E. y Riccardi, A.C.** (1997) Estratigrafía de la región comprendida entre los lagos Argentino y Viedma (49° 40' - 50° 10' lat. S), provincia de Santa Cruz. *Revista de la Asociación Geológica Argentina* **52** (3), 333-360.
- Kraemer, P., Ploszkiewicz, J.V. y Ramos, V.A.** (2002) Estructura de la Cordillera Patagónica Austral entre los 40° y 52°S. Geología y Recursos Naturales de Santa Cruz. *XV Congreso Geológico Argentino*. Relatorio, pp 353-364.
- Kraus, M.J.** (1987) Integration of channel and floodplain suites: II. Lateral relations of alluvial paleosols. *Journal of Sedimentary Petrology* **57**, 602-612.
- Kraus, M.J.** (1996) Avulsion deposits in lower Eocene alluvial rocks Bighorn Basin, Wyoming. *Journal of Sedimentary Research* **66**, 354-366.
- Kraus, M.J.** (1997) Lower Eocene alluvial Paleosols; pedogenic development, stratigraphic relationships, and Paleosolandscape associations. *Palaeogeography, Palaeoclimatology, Palaeoecology* **129**, 387-406.
- Kraus, MJ.** (1998) Development of potential acid sulfate paleosols in Paleocene floodplains, Bighorn Basin, Wyoming, USA. *Palaeogeography, Palaeoclimatology, Palaeoecology* **144**, 203-224.
- Kraus, MJ.** (1999) Palesols in clastic sedimentary rocks: their geologic applications. *Earth Science Reviews* **47**, 41-70.
- Kraus, M.J. & Aslan, A.** (1993) Eocene hydromorphic paleosols: significance for interpreting ancient floodplain processes. *Journal of Sedimentary Petrology* **63**, 434-463.
- Kraus, M.J. y Aslan, A.** (1999) Paleosol sequences in floodplain environments: a hierarchical approach. En: *Palaeoweathering, Palaeosurfaces and Related Continental Deposits* Thiry, M. (Ed.) *International Association of Sedimentologist Special Publication* **27**, 303-321.
- Kraus, M.J. y Bown, T.M.** (1993) Short-term sediment accumulation rates determined from Eocene alluvial paleosols. *Geology* **21**, 743-746.
- Kraus, M.J. y Hasiotis, S.T.** (2006) Significance of different modes of rhizolith preservation to interpreting paleoenvironmental and paleohydrologic settings: Examples from Paleogene paleosols, Bighorn basin, Wyoming, U.S.A.. *Journal of Sedimentary Research* **76**, 633-646.
- Kraus, M.J. y Riggins, S.** (2007) Transient drying during the Paleocene-Eocene Thermal Maximum (PETM): Analysis of paleosols in the bighorn basin, Wyoming. *Palaeogeography, Palaeoclimatology, Palaeoecology* **245**, 444-461.
- Kvale, E.P. y Mastalerz, M.** (1998) Evidence of ancient freshwater tidal deposits. En: *Tidalites: Processes and Products* Alexander, C.R, Davies, R.A. y Henry, V.J. (Eds.) *SEPM Sapecial Publication* **61**, 95-107.

- Lacovara, K., Harris, J., Lammana, M., Novas, F., Martinez, R. & Ambrosio, A.** (2004) An enormous sauropod from the Maastrichtian Pari Aike Formation of southernmost Patagonia. *Journal of Vertebrate Paleontology* **24**, 81A.
- Lange, W.P. y Moon, V.G.** (2007) Tsunami washover deposits, Tawharanui, New Zealand. *Sedimentary Geology* **200**, 232-247.
- Lapparent de Broin, F. y Molnar, R.** (2001) Eocene chelid turtles from Redbank Plains, Southeast Queensland, Australia. *Geodiversitas* **23**(1): 41-79.
- Lapparent de Broin, F. y de la Fuente, M.S.** (2001) Oldest world Chelidae (Chelonii, Pleurodira) from the Cretaceous of Patagonia. *Comptes Rendus l'Académie des Sciences – series IIA – Earth and Planetary Science* **333** (8), 463-470.
- Leanza, A.F.** (1970) Amonites nuevos ó poco conocidos del Aptiano, Albiano y Cenomaniano de los Andes Australes con notas acerca de su posición estratigráfica. *Revista de la Asociación Geológica Argentina* **25** (2), 197-261.
- Leanza, A.F.** (1972) Andes Patagónicos Australes. En: *Geología Regional Argentina* (Ed. A.F. Leanza), *Academia Nacional de Ciencia de Córdoba*, pp. 689-706.
- Leever, K.A., Bertotti, G., Zoetemeijer, R., Matenco, L. y Cloetingh, S.A.P.L.** (2006) The effects of a lateral variation in lithospheric strength on foredeep evolution: Implications for the East Carpathian foredeep. *Tectonophysics* **421**, 251-267.
- Legarreta, L. y Uliana, M.A.** (1991) Jurassic-Cretaceous marine oscillations and geometry of back-arc basin fill, central Argentine Andes. En: *Sedimentation, tectonics and eustasy* Macdonald, D.I.M. (Ed.) *International Association of Sedimentologist Special Publication* **12**, 429-450.
- Leeder, M.R.** (1999) Sedimentology and sedimentary basins: from turbulence to tectonics. Blackwell Publishing, Oxford, UK, pp.592.
- Limeres, M. & Dellapé, D.** (2005). Formación Mata Amarilla: Descubrimiento de Petróleo al Norte del Río Santa Cruz, Cuenca Austral, Argentina. VI Congreso De Exploración y Desarrollo de Hidrocarburos. Mar del Plata.
- Limeres, M. & Dellapé, D.** (2006) Formación Mata Amarilla: Descubrimiento de Petróleo al Norte del Río Santa Cruz, Cuenca Austral, Argentina. *Boletín de Informaciones Petroleras* **74**, 75-79.
- Lluch, J.J. y Spalletti, L.A.** (1976) Minerales de las arcillas en los sedimentos actuales de la región del Cerro San Lorenzo, provincia de Santa Cruz. *Revista de la Asociación Geológica Argentina* **XXXI** (1), 23-32.
- Lowe, D.R.** (1979) Sediment gravity flows: their classification and some problems of applications to natural flows and deposits. En: *Geology of Continental Slopes* Doyle, L.J. y Pilkey, O.H. Jr. (Eds.) *SEPM Special Publication* **27**, 75-82.
- Ludwig, K.R.** (2003) User's manual for Isoplot/Ex, Version 3.0, A geochronological toolkit for Microsoft Excel. *Berkeley Geochronology Centre, Special Publication* **4**, pp. 2455.
- Lynn, W.C. y Williams, D.** (1992) The making of a Vertisol. *Soil Survey Horizons* **33**, 45-50.
- MacEachern, J.A. y Pemberton, S.G.** (1992) Ichnological aspects of Cretaceous shoreface successions and shoreface variability in the Western Interior Seaway of North America. En: *Applications of*

- Ichnology to petroleum exploration* Pemberton, S.G. (Ed.) *Society of Economic Paleontologist and Mineralogist, Core Workshop 17*, 1-32.
- Mack, G.H.** (1992) Paleosols as an indicator of climatic change at the Early–Late Cretaceous boundary, southwestern New Mexico. *Journal of Sedimentary Petrology* **62**, 483-494.
- Mack, G.H., James, W.C., y Monger, H.C.** (1993) Classification of paleosols. *Geological Society of America Bulletin* **105**, 129-136.
- Mack, G.H. y James, W.C.** (1994) Paleoclimate and the global distribution of paleosols. *Journal of Geology* **102**, 360-366.
- Makaske, B.** (2001) Anastomosing rivers: a review of their classification, origin and sedimentary products. *Earth-Science Reviews* **53**, 149-196.
- Manassero, M.J.** (1988) Petrología y procedencia de las areniscas cretácicas superiores de la Cuenca Austral Argentina. *Revista de la Asociación Geológica Argentina* **XLIII** (2), 175-187.
- Marenssi, S.A., Casadío S. y Santillana S.N.** (2003) Estratigrafía y sedimentología de las unidades del Cretácico superior-Paleógeno aflorantes en la margen sureste del lago Viedma, provincia de Santa Cruz, Argentina. *Revista de la Asociación Geológica Argentina*, **58** (3), 403-416
- Marinelli, R.V.** (1998) Reservorios deltaicos de la Formación Piedra Clavada. *Boletín de Informaciones Petroleras* **15** (54), 28-37.
- Marriott, S.B. y Wright, V.P.** (1993) Paleosols as indicators of geomorphic stability in two Old Red Sandstone alluvial suites, South Wales. *Journal of the Geological Society of London* **150**, 1109-1120.
- Marsaglia, K. e Ingersoll, R.** (1992) Compositional trends in arc-related, deep marine sand and sandstone: a reassessment of magmatic provenance. *Geological Society of America Bulletin* **104**, 1637- 1649.
- Masuda, H., O'Neil, J.R., Jiang, W.T. y Peacor, D.R.** (1996) Relation between interlayer composition of authigenic smectite, minerals assemblages, I/S reaction rate and fluid composition in silic ash of the Nanakai Trough. *Clays and Clay Minerals* **44**, 443-459.
- Mayayo, M.J., Yuste, A., Luzón, A. y Bauluz, B.** (2008) Filosilicatos en un sistema lacustre carbonatado Oligo-Mioceno (Cuenca del Ebro). Implicaciones paleoambientales. *Revista de la Sociedad Española de Mineralogía* **9**, 153-154.
- McCabe, P.J. y Parrish, J.T.** (1992) Tectonic and climatic controls on Cretaceous coals. En: *Controls on the Distribution and Quality of Cretaceous Coals* McCabe, P.J. y Parrish, J.T. (Eds.) *Geological Society of America Special Paper* **267**, 1-15.
- McCarthy, P., Martini, I. y Leckie, D.** (1998) Use of micromorphology for palaeoenvironmental interpretation of complex alluvial palaeosols: an example from the Mill Creek Formation (Albian), southwestern Alberta, Canada. *Palaeogeography, Palaeoclimatology, Palaeoecology* **143**, 87-110.
- McCarthy, P.J. y Plint, A.G.** (1998) Recognition of interfluvе sequence boundaries: integrating paleopedology and sequence stratigraphy. *Geology* **26**, 387-390.
- McSweeney, K. y Fastovsky, D.E.** (1987) Micromorphological and SEM analysis of Cretaceous– Paleogene Petrosols from eastern Montana and western North Dakota. *Geoderma* **40**, 49-63.
- Mendahl, K.H.** (2001) Shells, En: *Palaeobiology II* (Eds D.E.G. Briggs and P.R. Crowther), pp. 262-264, Blackwell Science, London.

- Miall, A.D.** (1977) A review of the braided river depositional model of alluvial stratigraphy: theory and application. *Journal of Sedimentary Research*, **B65**, 7-31.
- Miall, A. D.** (1978) Lithofacies types and vertical profile models in braided river deposits: a summary. En: *Fluvial Sedimentology*. A. D. Miall (Ed.). *Canadian Society of Petroleum Geologists Bulletin, Memories* **5**, 579-604.
- Miall, A.D.** (1996) The Geology of Fluvial Deposit: Sedimentary Facies, Basin Analysis and Petroleum Geology. Springer-Verlag, Berlin, 582 pp.
- Miall, A.D.** (2006) Reconstructing the architecture and sequence stratigraphy of the preserved fluvial record as a tool for reservoir development: A reality check. *The American Association of Petroleum Geologist Bulletin* **90** (7), 989-1002.
- Miedema, R., Jongmans, A.G. y Slager, S.** (1974) Micromorphological observations on pyrite and its oxidation products in four Holocene alluvial soils in the Netherlands. En: *Soil Microscopy* Rutherford, G.K. (Ed.) *The Limestone Press*, United Kingdom, pp. 772-794.
- Mjøs, R., Walderhaug, O. y Prestholm, E.** (1993) Crevasse splay sandstone geometries in the Middle Jurasic Ravenscar Group Yorkshire, UK. En: *Alluvial Sedimentation*. M. Marzo and C. Puigdefàregas (Eds.), pp. 167-184. *International Association of Sedimentologist Special Publication* **17**, Blackwell Scientific Publications, Oxford.
- Moore, D.M. y Reynolds, Jr.R.C.** (1989) X-Ray Diffraction and the Identification and Analysis of Clay Minerals. Oxford University Press, 329 pp.
- Morton, R.A., Gelfenbaum, G. y Jaffe, B.E.** (2007) Physical criteria for distinguishing sandy tsunamis and storm deposits using modern examples. *Sedimentary Geology* **200**, 184-207.
- Mulder, T. y Syvitski, J.P.M.** (1995) Turbidity currents generated at river mouths during exceptional discharge to the world's oceans. *Journal of Geology* **103**, 285-298.
- Munsell® Soil Color Charts** (2000) Revised washable edition. X-rite 4300 44th Street S.E., Grand Rapids, MI 49512, USA.
- Mutti, E., Bernoulli, D., Ricci Lucchi, F. y Tinterri, R.** (2009) Turbidites and turbidity currents from Alpine "fluschi" to the exploration of continental margins. *Sedimentology* **56**, 267-318.
- Nanayama, F., Shigeno, K., Satake, K., Shimokawa, K., Koitabashi, S., Miyasaka, S. y Ishii, M.** (2000) Sedimentary between the 1993 Hokkaido-nansei-oki tsunami and the 1959 Miyakojima typhoon at Taisei, southwestern Hokkaido, northern Japan. *Sedimentary Geology* **200**, 255-264.
- Nemec, W.** (1995) The dynamics of deltaic suspension plumes, En: *Geology of Deltas* Oti, M.N. y Postma, G. (Eds.) Rotterdam, Balkema, pp. 31-93.
- Nichol, S.L., Goff, J.R., Devoy R.J.N., Chagué-Goff, C., Hayward, B. y James, I.** (2007) Lagoon subsidence and tsunami on the West Coast of New Zealand. *Sedimentary Geology* **200**, 248-262.
- Novas, F.E., Martínez, R., De Valais, S. y Ambrosio, A.** (1999) Nuevos registros de Carcharodontosauridae (Dinosauria, Theropoda) en el Cretácico de Patagonia. *Ameghiniana* **36** (4): 17, Suplemento.
- Novas, F.E., Bellosi, E.S. y Ambrosio, A.** (2002) Los "Estratos con Dinosaurios" del Lago Viedma y Río Leona (Santa Cruz): sedimentología y contenido fosilífero. En: XV Congreso Geológico Argentino. *Actas*, pp. 596-602.

- Novas, F.E., Cambiasso, A.V. y Ambrosio, A.** (2004a) A new basal iguanodontian (Dinosauria, Ornithischia) from the Upper Cretaceous of Patagonia. *Ameghiniana*, **41**, 75-82.
- Novas, F.E., Lecuona, A., Calvo, J. y Porfiri, J.** (2004b) Un terópodo del Cretácico Superior de la provincia de Santa Cruz. *Ameghiniana*, **41**, p. 58.
- Novas, F.E., Salgado, L., Calvo, J.O. y Agnolín, F.L.** (2005) Giant titanosaur (Dinosauria, Sauropoda) from the Late Cretaceous of Patagonia. *Revista del Museo Argentino de Ciencias Naturales, nueva serie* **7**, 37-41.
- Novas, F.E., Ezcurra, M.A. y Leucona, A.** (2008) Orkoraptor burkei nov. gen. et sp., a large theropod from the Maastrichtian Pari Aike formation, Southern Patagonia, Argentina. *Cretaceous Research* **29**, 468-480.
- North, C.P.** (1996) The prediction and modelling of subsurface fluvial stratigraphy. En: *Advances in Fluvial Dynamics and Stratigraphy* Carling, P.A. y Dawson, M.R. (Eds.) Wiley, Chichester, pp. 395-508.
- Nullo, F. E.; Proserpio, C. A. y Blasco de Nullo, G.** (1981) El Cretácico de la Cuenca Austral entre el Lago San Martín y Río Turbio. En: *Cuencas Sedimentarias del Jurásico y Cretácico de América del Sur*. Volkheimer, W., Mussachio, E.A. (Eds.), pp. 181-220. Buenos Aires.
- Nullo, F.E., Panza, J.L. y Blasco, G.** (1999) Jurásico y Cretácico de la Cuenca Austral. En *Geología Argentina*. Caminos R. (Ed.). Subsecretaría de Minería de la Nación-Servicio Geológico Minero Argentino, 528-535, Buenos Aires.
- Nullo, F. y Otamendi, J.** (2002) El batolito Patagónico. Geología y Recursos Naturales de Santa Cruz. *XV Congreso Geológico Argentino*. Relatorio. pp. 175-186.
- O'Gorman, J.P. y Varela, A.N.** (2010) The oldest lower Upper Cretaceous plesiosaurs (Reptilia, Sauropterygia) from the southern Patagonia, Argentina. *Ameghiniana* (en prensa).
- Olsen, T., Steel, R., Høgseth, K., Skar, T. & Røe, S.-L.** (1995) Sequential architecture in a fluvial succession: sequence stratigraphy in the upper Cretaceous Mesaverde Group, Price Canyon, Utah. *Journal of Sedimentary Research* **B65**, 265-280.
- Orton, G., y Reading, H.G.** (1993) Variability of deltaic processes in terms of sediment supply, with particular emphasis on grain size. *Sedimentology* **40**, 475-512.
- Packer, B.M. e Ingersoll, R.V.** (1986) Provenance and petrology of Deep Sea Drilling Project sands and sandstones from the Japan and Mariana Forearc and backarc basins. *Sedimentary Geology* **51**, 5-28.
- Pankhurst, R.J., Riley, T.R., Fanning, C.M. y Kelley, S.P.** (2000) Episodic silicic Volcanism in Patagonia and Antarctic Peninsula: Chronology of magmatism associated with the break-up of Gondwana. *Journal of Petrology* **41**, 605-625.
- Parsons, J.D., Bush, J.W.M. y Syvistski, J.P.M.** (2001) Hyperpycnal plume formation from riverine outflows with small sediment concentrations. *Sedimentology* **48**, 465-478.
- Pérez-Arlucea, M. y Smith N.D.** (1999) Depositional patterns following the 1970s avulsion of the Saskatchewan River (Cumberland Marshes, Saskatchewan, Canada). *Journal of Sedimentary Research* **69** (1), 62-73.
- Perillo, G.M.E.** (1995) Geomorphology and Sedimentology of Estuaries: Amsterdam, Elsevier Science, *Developments in Sedimentology* **53**, pp. 471.

- Peroni, G., Cagnolatti, M. y Pedrazzini, M.** (2002) Cuenca Austral: marco geológico y reserva histórica de la actividad petrolera. En: *Simposio Rocas Reservorio de las Cuencas Productivas de la Argentina*. Schiuma, M., Hinterwimmer, G., y Vergani, G. (Eds.) *V Congreso de Exploración y Desarrollo de Hidrocarburos*, 11-19.
- Petit, J.C., Dellamea, G., Dran J.C., Magontheir, M.C y Paccagnella, A.** (1990) Hydrated-layer formation during dissolution of complex silicate glasses and minerals. *Geochimica et cosmochimica Acta* **54**, 1941-1955.
- Pettijohn, F.J., Potter, P. y Siever, R.** (1972) Sand and Sandstone (1st edition). Springer-Verlag, Berlín, pp. 618.
- Piatnitzky, A.** (1938) Observaciones Geológicas en el Oeste de Santa Cruz (Patagonia). *Boletín de Informaciones Petroleras* **165**, 45-85.
- Pierce, J.W. y Siegel, F.R.** (1969) Quantification in clay mineral studies of sediments and sedimentary rocks. *Journal of Sedimentary Petrology* **39**, 187-193.
- Platt, N.H. y Keller, B.** (1992) Distal alluvial deposits in a foreland basin setting-the lower freshwater Molasse (lower Miocene), Switzerland: sedimentology, architecture and palaeosols. *Sedimentology* **39**, 545-565.
- Plink-Björklund, P. y Steel, R.J.** (2004) Initiation of turbidity currents: outcrop evidence for Eocene hyperpycnal flow turbidites. *Sedimentary Geology* **165**, 29-52.
- Plint, A.G. y Browne, G. H.** (1994) Tectonic event stratigraphy in a fluvio/ lacustrine, strike-slip setting: the Boss Point Formation (Wesphalia A), Cumberland Basin, Maritime Canada. *Journal of Sedimentary Research* **B64**, 341-364.
- Poiré, D. G., Zamuner, A. B., Iglesias, A., Varela, A. N. y Larriestra, F.** (2004a) Palaeoenvironmental conditions related with the taphoflora from the Piedra Clavada and Mata Amarilla formations (Cretaceous), Tres Lagos, Southern Patagonia, Argentina. Abstracts 7th International Organization of Paleobotany Conference, Bariloche, 88-89.
- Poiré, D.G., Zamuner, A.B., Goin, F., Iglesias, A., Canessa, N., Larriestra, C.N., Varela, A.N., Calvo Marcillese, I. & Larriestra, F.** (2004b) Ambientes sedimentarios relacionados a las tafofloras de las formaciones Piedra Clavada y Mata Amarilla (Cretácico), Tres Lagos, Cuenca Austral, Argentina. In: *X Reunión Argentina de Sedimentología*, San Luis, Actas, pp. 140-141.
- Poiré, D.G., Franzese, J.R., Spalletti, L.A. y Matheos, S.D.** (2007) Estratigrafía de las rocas reservorios de la Cuenca Austral en el sector cordillerano, provincia de Santa Cruz, Argentina. Guía de Campo Inédita: Centro de Investigaciones Geológicas, La Plata, 112 pp.
- Poiré, D.G. y Franzese, J.R.** (2008) Trazas fósiles de ambientes litorales marino-parálicos de la Formación Sprinhill (Cretácico Inferior), Andes Patagónicos Australes, provincia de Santa Cruz, Argentina. *XII Reunión Argentina de Sedimentología*, Buenos Aires, Actas. pp. 143.
- Poiré, D.G., Genise, J. y Sánchez, V.** (2009) Estructuras sedimentarias orgánicas: trazas fósiles, estromatolitos y rizolitos. Aplicaciones en sedimentología, paleontología y ecología". *Asociación Argentina de Sedimentología - Curso de actualización*, pp. 169.
- Pollastro, R.M.** (1993) Considerations and applications of the Illite/Smectite Geothermometer in hydrocarbon-bearing rocks of Miocene to Mississippian age. *Clays and Clay Minerals* **41**, 119-133.

- Powers, M.C.** (1953) A new roundness scale for sedimentary particles. *Journal of Sedimentary Petrology* **23**, 117-119.
- Pozo Rodríguez, M. y Martín de Vidales, J.L.** (1989) Condiciones de formación de paligorskita-sepiolita en litofacies dolomíticas de la cubeta de Piedrabuena. Campo de Calatrava (Ciudad Real). *Estudios Geológicos* **45**, 177-193.
- Pritchard, D.W.** (1967) What is an estuary? Physical viewpoint. En: *Estuaries* Lauff, G.H. (Ed.) *American Association for the Advancement of Science Publication* **83**, 3-5.
- Prochnow, S.J., Atchley, S.C., Boucher, T.E., Nordt, L.C. y Hudec, M.R.** (2006) The influence of salt withdrawal subsidence on palaeosol maturity and cyclic fluvial deposition in the Upper Triassic Chinle Formation: Castle Valley, Utah. *Sedimentology* **53**, 1319-1345.
- Quinlan, G.M. y Beaumont, C.** (1984) Appalachian thrusting, lithospheric flexure and Paleozoic stratigraphy of eastern interior of North America. *Canadian Journal of Earth Sciences* **21**, 973-996.
- Quirk, D.G.** (1996) "Base Profile": a unifying concept in alluvial sequence stratigraphy. En *High Resolution Sequence Stratigraphy: Innovations and Applications* Howell, J.A. y Aitken, J.F. (Eds.) *Geological Society Special Publication* **104**, 37-49.
- Raingemborn, M.** (2006) Análisis composicional y procedencia de la Formación Peñas Coloradas, Grupo Río Chico (Paleoceno superior- Eoceno?), en la región oriental de la Cuenca del Golfo de San Jorge, Chubut, Argentina. *Latin American Journal of Sedimentology and Basin Analysis* **13** (2), 65-87.
- Ramos, V.A.** (1982) Geología de la región del Lago Cardiel, provincia de Santa Cruz. *Revista de la Asociación Geológica Argentina* **37** (1), 23-49.
- Ramos, V.A.** (1989) Andean Foothills structures in northern Magallanes Basin, Argentina. *American Association of Petroleum Geologists Bulletin* **73**, 887-903.
- Ramos, V.A.** (2002) Evolución Tectónica. Geología y Recursos Naturales de Santa Cruz. *XV Congreso Geológico Argentino*. Relatorio, pp 365-390.
- Ramos, V.A., Niemeyer, H., Skarmeta, J. y Muñoz, J.** (1982) Magmatic evolution of the austral patagonian Andes. *Earth-Science Reviews* **18**, 411-443.
- Ramos, V.A., Mahlburg Kay, S. y Sacomani, L.** (1994) La dacita Puesto Nuevo y otras rocas magmáticas: colisión de una dorsal oceánica cretácica. *7º Congreso Geológico Chileno, Actas* **2**, 1172-1176, Concepción.
- Retallack, G.J.** (1984) Completeness of the rock and fossil record: some estimates using fossil soils. *Paleobiology* **10**, 59-78.
- Retallack, G.J.** (1988) Field recognition of paleosols. In: *Paleosols and Weathering Through Geologic Time: Techniques and Applications* (Eds J. Reinhardt and W. R. Sigleo), *Geological Society of America Special Paper* **216**, 1-20.
- Retallack, G.J.** (1991) Untangling the effects of burial alteration and ancient soil Formation. *Annual Review of Earth and Planetary Sciences* **19**, 183-206.
- Retallack, G.J.** (1993) Classification of paleosols: discussion and reply. Discussion. *Geological Society of America Bulletin* **105**, 1635-1636.
- Retallack, G.J.** (1994) The environmental factor approach to the interpretation of paleosols. *Soil Science Society of America Special Publication* **33**, 31-64.

- Retallack, G.J.** (1997) A colour Guide to Paleosols. *John Wiley & Sons*, Chichesters, 175, 175 pp.
- Retallack, G.J.**, (1998) Fossil soils and completeness of the rock and fossil records. En: *The Adequacy of the Fossil Record* Donovan, S.K. y Paul, C.R.C. (Eds.) *Wiley*, Chichester, pp. 133-163.
- Retallack, G.J.** (2001) Soils of the past: An Introduction to Paleopedology, 2nd edn, Blackwell Science, Oxford, 404 pp.
- Riccardi, A.C.** (1984a) Las Asociaciones de Amonitas del jurásico y Cretácico de la Argentina. Actas 9º Congreso Geológico Argentino IV, 559-595.
- Riccardi, A.C.** (1984b) Las Zonas de Amonitas del Cretácico de la Patagonia (Argentina y Chile). 3 congreso Latinoamericano de Paleontología, Memoria, 394-405.
- Riccardi, A.C.** (2002) Invertebrados del Cretácico Superior. En: *Geología y Recursos Naturales de Santa Cruz* Haller, M.J (Ed.) *Relatorio del XV Congreso Geológico Argentino II*, El Calafate, pp. 461-479.
- Riccardi, A.C. y Rolleri, E.O.** (1980) Cordillera Patagónica Austral. En *Segundo Simposio de Geología Regional Argentina*. Turner J.C. (Ed.). *Academia Nacional de Ciencias de Córdoba II*, pp. 1163-1306.
- Riccardi, A.C., Aguirre Urreta, M.B. & Medina, F.** (1987) Aconeceratidae (Ammonitina) from the Hauterivian-Albian of southern Patagonia. *Palaeontographica* **196**, 105-185.
- Robbiano, J.A., Arbe, H. y Bangui, A.** (1996) Cuenca Austral Marina. En *Relatorio, Geología y Recursos Naturales de la Plataforma continental Argentina*. Ramos, V.A. y Turic, M. (Eds.). XIII Congreso Geológico Argentino y III Congreso de Exploración de Hidrocarburos, 343- 358. Buenos Aires.
- Robbins, E.I., D'Agostino, J.P., Ostwald, J., Fanning, D.S., Carter, V. y Van Hoven, R.L.** (1992) Manganese nodules and microbial oxidation of manganese in the Huntley Meadows Wetland, Virginia, USA. En: *Biomineralization Processes of Iron and Manganese* Skinner, H.C.W. y Fitzpatrick, R.W. (Eds.) *Catena Supplement* **21**, 179-202.
- Robert, C. y Kennett, J.P.** (1994) Antarctic subtropical humid episode at the Paleocene–Eocene boundary: clay–mineral evidence. *Geology* **22**, 211-214.
- Rodríguez J. F. & Miller M.** (2005) Cuenca Austral. En: *Frontera Exploratoria de la Argentina*. Chebli G. et al. (Eds.). VI Congreso de Exploración y Desarrollo de Hidrocarburos, Mar del Plata, 308-323.
- Roll, A.** (1936) Informe sobre la estructura de Pari Aike (región de Mata Amarilla). Yac. Petrol. Fiscales. Informe Inédito. Buenos Aires.
- Roll, A.** (1937) Estudio Geológico de la zona entre el Río Shehuen y el Santa Cruz. Yac. Petrol. Fiscales. Informe Inédito, Buenos Aires.
- Romans, B.W., Shultz, M.R., Hubbard, S.M. y Graham, S.A.** (2007) Facies architecture of slope channel complexes, Tres Pasos Formation at Cerro Divisadero, southern Chile. En: *Atlas of Deep-Water Outcrops* Nilsen, T.H, Shew, R.D. Steffens, G.S. y Studlick, J.R.J. (Eds.) *AAPG Stud. Geol.* **56**, 132-135.
- Romans, B.W., Hubbard, S.M. y Graham, S.A.** (2009) Stratigraphic evolution of an outcropping continental slope system, Tres Pasos Formation at Cerro Divisadero, Chile. *Sedimentology* **56**, 737-764.

- Royer, D. L.** (2010) Fossil soils constrain ancient climate sensitivity. *Proceedings of the National Academy of Sciences of the United States of America* **107** (2), 517-518.
- Russo, A. & Flores, M. A.** (1972) Patagonia Austral Extraandina. En: *Geología Regional Argentina*. Leanza A.F. (Ed.). *Academia Nacional de Ciencias de Córdoba*, pp. 707-725.
- Russo, A., Flores, M.A. & Di Benedetto, H.** (1980) Patagonia Austral Extraandina. In: *Segundo Simposio de Geología Regional Argentina*. Turner J.C.M. (Ed.). *Academia Nacional de Ciencias de Córdoba II*, pp. 1431-1462.
- Sarjeant, W.A.S.** (1975) Plant trace fossils. En: *The Study of Trace Fossils* Frey, R.W. (Ed.) Springer Verlag, New York, 163-179.
- Scasso, R.A. y Limarino, C.O.** (1997) Petrología y Diagénesis de Rocas Clásticas. *Asociación Argentina de Sedimentología*, Buenos Aires, pp. 1-259.
- Schumm, S.A.** (1986) Alluvial river response to active tectonics. En: *Active Tectonics*. National Academy Press, Washington, D.C., pp. 80-94.
- Schumm, S.A.** (1993) River response to baselevel change: implications for sequence stratigraphy. *Journal of Geology* **101**, 279-294.
- Schwertmann, U.** (1993) Relations between iron oxides, soil color, and soil formation. En: *Soil Color*. Bigham, J.M. y Ciolkosz, E.J. (Eds.) *Soil Science Society of America, Special Publication* **31**, 51-69.
- Schwertmann, U. y Taylor, R.M.** (1989) Iron oxides. En: *Minerals in Soil Environments, Second Edition* Dixon, J.B. y Weed, S.B. (Eds.) *Soil Science Society of America*, Madison, Wisconsin, pp. 379-438.
- Schwartz, R.K.** (1982), Bedform and stratification characteristics of some modern small-scale washover sand bodies. *Sedimentology* **29**, 835-849.
- Scruton, P.C.** (1960) Delta building and the deltaic sequence. En: *Recent Sediments, Northwest Gulf of Mexico: Tulsa, Oklahoma* Shepard, F.P., Phleger, F.B., y Van Andel, T.H. (Eds.) *American Association of Petroleum Geologists*, p. 82-102.
- Shanley, K.W. y McCabe, P.J.** (1994) Perspectives on the sequence stratigraphy of continental strata. *American Association of Petroleum Geologists Bulletin* **78**, 544-568.
- Shultz, M.R. y Hubbard, S.M.** (2005) Sedimentology, stratigraphic architecture, and icnology of cravity-flow deposits partially ponded in grwth-fault-controlled slope minibasin, Tres Pasos Formation (Cretaceous), southern Chile. *Journal of Sedimentary Research* **75**, 440-453.
- Shultz, M.R., Fildani, A., Cope, T.A. y Graham, S.A.** (2005) Deposition and stratigraphic architecture of an outcropping ancient slope system: Tres Pasos Formation, Magallanes Basin, southern Chile. En: *Submarine Slope Systems: Processes and Products* Hodgson, D.M. y Flint, S.S. (Eds.) *Geological Society of London Special Publication* **244**, 27-50.
- Simões, M.G. & Kowalewski, M.** (1998) Complex shell beds as paleoecological puzzles: a case study from the Upper Permian of the Paraná Basin, Brazil. *Facies* **38**, 175-196.
- Sinclair, H.D., Coakley, B.J., Allen, P.A. y Watts, A.** (1991) Simulation of foreland basin stratigraphy using a diffusional model of mountain belt uplift and erosion: an example from central Alps, Switzerland. *Tectonics* **10**, 599-620.

- Smith, J.J., Hasiotis, S.T., Woody, D.T. y Kraus, M.J.** (2008) Paleoclimatic implications of Crayfish-mediated prismatic structures in paleosols of the Paleogene Willwood Formation, Bighorn Basin, Wyoming, USA. *Journal of Sedimentary Research* **78**, 323-334.
- Smith, N.D. y Pérez-Arlucea, M.** (1994) Fine-grained splay deposition in the avulsion belt of the lower Saskatchewan River, Canada. *Journal of Sedimentary Research* **B 64**, 159-168.
- Smith, N.D., Cross, T.A., Dufficy, J.P. y Clough, S.R.** (1989) Anatomy of an avulsion. *Sedimentology* **36**, 1-23.
- Soil Survey Staff** (1975) Soil taxonomy. United Status Department of Agriculture, Handbook **436**, pp. 754.
- Soil Survey Staff** (1998) Key to Soil Taxonomy, (8th edn. United Status Department of Agriculture, Natural Resources Conservation Service, Washington, DC, pp. 328.
- Spalletti, L.A.** (1994) Evolución de los ambientes fluviales en el Triásico de la Sierra Pintada (Mendoza, Argentina); análisis sobre la influencia de controles intrínsecos y extrínsecos al sistema depositacional. *Revista de la Asociación Argentina de Sedimentología* **1** (2), 125-142.
- Spalletti, L.A. y Franzese, J.R.** (2007) Mesozoic Paleogeography and Paleoenvironmental evolution of Patagonia (Southern South America). En: *Patagonian Mesozoic Reptiles*. Gasparini, Z., Salgado, L., y Coria, R.A. (Eds.) Indiana University Press, Bloomington & Indianapolis, pp. 29-49.
- Stiles, C.A., Mora, C.I. y Driese, S.G.** (2001) Pedogenic iron–manganese nodules in Vertisols: A new proxy for paleoprecipitation?. *Geology* **29**, 943-946.
- Stoops, G.J.** (2001) Micropedology, Methods and Applications. International training centre for Post-graduate Soil Scientist, Universiteit Gent, pp. 77.
- Suzek, C.A. e Ingersoll, R.A.** (1985) Petrology and provenance of Cenozoic sand from the Indus cone and Arabian basin, DSDP sites 221, 222 and 224. *Journal of Sedimentary Petrology* **55**, 340-346
- Summerfield, M.A.** (1991) Global Geomorphology: an Introduction to the Study of Landforms. Wiley, New York, pp. 537.
- Sundby, B., Vale, C., Caçador, I., Catarino, F., Madureira, M.J. y Caetano, M.** (1998) Metal-rich concretions on the roots of salt-marsh plants: Mechanism and rate of formation. *Limnology and Oceanography* **43**, 245-252.
- Syvitski, J.P.M. y Morehead, M.D.** (1999) Estimating river-sediment discharge to the ocean: application to the Eel margin, Northern California. *Marine Geology* **154**, 13-28.
- Tappin, D.R.** (2007) Sedimentary features of tsunami deposits – Their origin, recognition and discrimination: An introduction. *Sedimentary Geology* **200**, 151-154.
- Taylor, J.M.** (1950) Pore space reduction in sandstones. *American Association of Petroleum Geologist Bulletin* **34**, 710-716.
- Tazaki, K., Fyfe, W.S. y Van der Gaast, S.J.** (1989) Growth of clay minerals in natural and synthetic glasses. *Clays and Clay Minerals* **37**, 348-354.
- Thies, D.** (1989) Sinneslinien bei dem Knochenfisch Lepidotes elvensis (Blainville 1881) (Actinopterygii, Semionotiformes) aus dem Oberlias (Unter- Toarcium) von Grimmen in der DDR. *Neues Jahrbuch für Geologie und Paläontologie, Abhandlungen* **11**, 692-704.

- Turic, M.** (1968) Geología de la Prov. De Santa Cruz entre los lagos Viedma y Argentino. Yacimientos Petrolíferos Fiscales, Informe Inédito, Buenos Aires.
- Turic M., Amarado Flores, F., Gómez Omil, R., Pombo, R., Sciutto, J., Robles, D. & Cáseres, A.** (1987) Geología de las cuencas petroleras de la Argentina. En: *Evaluación de las Formaciones en la Argentina*. Schlumberger (Ed.) 1-44, Buenos Aires.
- Tuttle, M.P., Ruffman, A., Anderson, T. y Jeter, H.** (2004) Distinguishing tsunamis from storm deposits in eastern North America: The 1929 Grand Banks Tsunamis versus the 1991 Halloween Storm. *Seismological Research Letters* **75**, 117-131.
- Van Asselen, S.** (2009) The effect of peat compaction on the evolution of alluvial plain. 9th International Conference on Fluvial Sedimentology. *Actas Geológica Lilloana* **21**, pp. 65.
- Van Breeman, N.** (1975) Acidification and deacidification of coastal plain soils as a result of periodic flooding. *Soil Science Society of America, Proceedings* **39**, 1153-1157.
- Van Breeman, N.** (1982) Genesis, morphology, and classification of acid sulfate soils in coastal plains. En: *Acid Sulfate Weathering: Madison, Wisconsin* Kittrick, J.A., Fanning, D.S. y Hossner, L.R. (Eds.) *Soil Science Society of America*, 95–108.
- Varela, A.N., Poiré, D.G., Richiano S. & Zamuner A.** (2006) Los paleosuelos asociados al bosque petrificado María Elena, Formación Mata Amarilla, Cuenca Austral, Patagonia, Argentina. *IV Congreso Latinoamericano de Sedimentología y XI Reunión Argentina de Sedimentología*, Bariloche, Actas, pp. 235.
- Varela, A.N. y Poiré, D.G.** (2008) Paleogeografía de la Formación Mata Amarilla, Cuenca Austral, Patagonia, Argentina. *XII Reunión Argentina de Sedimentología*, Buenos Aires, Actas. pp. 183.
- Varela, A.N., Richiano S. y Poiré, D.G.** (2008) Análisis paleoambiental de la Formación Mata Amarilla a partir de su malacofauna, Cuenca Austral, Patagonia, Argentina. En: *Trabajos Técnicos* (Ed M. Schiuma), *VII Congreso de Exploración y Desarrollo de Hidrocarburos*, 601-605.
- Varela, A.N.** (2009) Accommodation/sediment supply fluvial deposition controlled by base level changes and relative sea level fluctuations in the Mata Amarilla Formation (Early Upper Cretaceous), Southern Patagonia, Argentina. 9th International Conference on Fluvial Sedimentology. *Actas Geológica Lilloana* **21**, pp. 66.
- Vasconcelos, C. & McKenzie, J.** (1997): Microbial mediation of modern dolomite precipitation and diagenesis under anoxic conditions (Lagoa Vermelha, Rio de Janeiro, Brazil). *Journal of Sedimentary Research* **67**, 378-390.
- Vasconcelos, C., McKenzie, J., Bernasconi, S., Grujic, D. y Tien, A.J.** (1995): Microbial mediation as a possible mechanism for natural dolomite formation at low temperatures. *Nature* **377**, 220-222.
- Veiga, D.G., Spalletti, A.L. y Flint S.S.** (2008) Anatomy of fluvial lowstand wedge: the Avilé member of the Agrio Formation (Hauterivian) in central Neuquén Basin (northwest Neuquén Province), Argentina, En: *Sedimentary Processes, Environments and Basins, A tribute to Peter Friend*. Nichols G., . Williams, E y Paola, C. (Eds), *International Association of Sedimentology Special Publication* **38**, 341-365.
- Velde, B.** (1985): Clay Minerals: a physicochemical explanation of their occurrence. *Developments in Sedimentology* **40**, Elsevier, Amsterdam, pp. 427.

- Vepraskas, M.J.** (1994) Redoximorphic Features for Identifying Aquic Conditions. *North Carolina Agricultural Research Service, Technical Bulletin* **301**, pp. 33.
- Walker, T.R.** (1967) Formation of red beds in modern and ancient deserts. *Geological Society of American Bulletin* **78**, 353-368.
- Walker, J.D. y Geissman, J.W.**, compilers (2009) Geologic Time Scale: Boulder, Colorado, Geological Society of America, CTS004R2C.
- Watts, A.B.** (1989) Lithospheric Flexure due to prograding sediment loads: implications for the origin of offlap/onlap patterns in sedimentary basin. *Basin Research* **2**, 133-144.
- Wilckens, O.** (1907) Die Lamellibranchiaten, gastropoden etc, der oberen Kreide Südpatagoniens. *Naturforschungen Gesellschaft Freiburg, Berichte* **15**, 1-70.
- White, T., González, L., Ludvigson, G. y Poulsen, C.** (2001) Middle Cretaceous greenhouse hydrologic cycly of North America. *Geology* **29**, 363-365.
- Wilson, M.D. y Pittman, E.D.** (1977) Authigenic clays in sandstones: recognition and influence or reservoir properties and paleoenvironmental analysis. *Journal of Sedimentary Petrology* **47**, 3-31.
- Wilson, T.J.** (1991) Transition from back-arc to foreland basin development in southernmost Andes: Stratigraphic record from the Ultima Esperanza District, Chile. *Geological Society of America Bulletin* **103**, 98-111.
- Windhausen, A.** (1921) Ein blick auf eschichtenfloje und gebirgsbau in sudliche patagonien. *Geol. randschau* XII, 109-137, Leipzig.
- Witter, R.C., Kelsey, H.M. y Hemphill-Haley, E.** (2001) Pacifics storms, El Niño and tsunamis: Competing mechanisms for sand deposition in coastal marsh, Euchre Creek, Oregon. *Journal of Coastal Research* **17**, 563-583.
- Wizevich, M.C.** (1991) Photomosaics of outcrops: useful photographic techniques. En: The three dimensional facies architecture of terrigenous clastic sediments and its implications fro hydrocarbon discovery and recovery Miall, A.D. y Tyler. N. (Eds). *Concepts in Sedimentology and Paleontology, SEPM* **3**, 22-24.
- Wright, V.P.** (1992) Paleopedology: stratigraphic relationships and empirical models. En: *Weathering, Soils and Paleosols* Martini, I.P. y Chesworth, W. (Eds.) Elsevier, Amsterdam, pp.475-499.
- Wright, V.P. y Marriott, S.B.** (1993) The sequence stratigraphy of fluvial depositional systems: the role of floodplain storage. *Sedimentary Geology* **86**, 203-210.
- Wright, V.P. y Marriott, S.B.** (1996) A quantitative approach to soil occurrence in alluvial deposits and its application to the Old Red Sandstone of Britain. *Journal of the Geological Society of London* **153**, 907-913.
- Wright, V.P., Taylor, K.G. y Beck, V.H.** (2000) The paleohydrology of Lower Cretaceous seasonal wetlands, Isle of Wight, southern England. *Journal of Sedimentary Research* **70**, 619-632.
- Zavala, C., Ponce, J.J., Arcuri, M., Drittanti, D., Freije, H. y Asensio, M.** (2006) Ancient lacustrine hyperpynites: A depositional model from a case study in the Rayoso Formation (Cretaceous) of West-Central Argentina. *Journal of Sedimentary Research* **76**, 41-59.

- Zamuner, A.B., Poiré, D.G., Iglesias, A., Larriestra, F. y Varela, A.N.** (2004) Upper Cretaceous In Situ Petrified Forest In Mata Amarilla Formation, Tres Lagos, Southern Patagonia, Argentina. 7th International Organization of Paleobotany Conference, Bariloche, Actas, pp. 150.
- Zamuner, A., Falaschi, P., Bamford, M., Iglesias, A., Poiré, D.G., Varela A.N. y Larriestra, F.** (2006) Anatomía y Paleocología de dos Bosques In Situ de la Zona de Tres Lagos, Formación Mata Amarilla, Cretácico superior, Patagonia, Argentina. *XIII Simposio Argentino de Paleobotánica y Palinología*, Bahía Blanca, Actas, pp. 55.
- Zamuner, A.B., Poiré, D.G., Iglesias, A., Koefoed, C. y Varela, A.N.** (2008) Albian-Cenomanian Floral Changes in southern Patagonia, Argentina. Abstract 12th International Palynological Congress y 8Th International Organisation of palaeobotany Conference. Bonn, Alemania, p.315-316.
- Zhang, M. y Karathanasis, A.D.** (1997) Characterization of iron–manganese concretions in Kentucky Alfisols with perched water tables. *Clays and Clay Minerals* **45**, 428-439.
- Zimmermann, U., Poiré, D.G y Gómez Peral, L.** (2010) Neoproterozoic to Lower Palaeozoic successions of Tandilia System in Argentina: Implication for the palaeotectonic framework of southwest Gondwana. *International Journal of Earth Sciences* DOI: **10.1007/s00531-010-0584-4**, 1-22.