

REFERENCIAS

Adams, J.A.S., y Fryer, G.E., 1964. Portable gamma-ray spectrometer for field determination of thorium, uranium, and potassium, in Adams, J. A. S., and Lowder, W. M., eds., The natural radiation environment: Chicago, University of Chicago Press, pp. 577-596.

Adler, P.M., y Thovert, J.F., 1999. Fracture and Fracture Networks. Kluwer Academic Publishers, Dordrecht.

Aguilera-Franco, N. 2003. Cenomanian-Coniacian zonation (foraminifers and calcareous algae) in the Guerrero Morelos basin, southern México. Revista Mexicana de Ciencias Geológicas, 20 (3), pp. 202-222.

Aguilera-Franco, N. y Hernández-Romano, U., 2004. Cenomanian-Turonian facies succession in the Guerrero-Morelos Basin, Southern Mexico. Sedimentary Geology, 170, pp. 135–162.

Aigner, T., Schauer, M., Junghans, W.D. y Reinhard, T. L., 1995. Outcrop gamma-ray logging and its applications: examples from the German Triassic. Sedimentary Geology, Vol. 100, pp. 47-61.

Álvarez Jr., M. 1958. Provincias fisiográficas de la República Mexicana. XX Congreso Geológico Internacional.

Andersson, P.D., Wasserburg, G.J., Chen, J.H., Papanastassiou, D.A., Ingrid, J., 1995. ^{238}U - ^{234}U and ^{232}Th - ^{230}Th in the Basaltic sea and river water. Earth Planet. Sci. Vol. 130, pp. 217-234.

Arroyo-Carrasco, A., 2007. Bases Teóricas e Interpretación de Registros Geofísicos de Pozos. UNAM, Facultad de Ingeniería, 527 p.

Arthur, M. A., Schlanger, S. O. y Jenkyns , H . C. 1987. The Cenomanian-Turonian oceanic anoxic event, II. Palaeoceanographic controls on organic-matter production and preservation. In *Marine petroleum source rocks* (ed. Brooks, J. & Fleet, A. J.), *Geological Society, London, Special Publication* 26, pp. 401 – 420.

Bassiouni, Z., 1994. Theory, Measurement, and Interpretation of Well Logs. Vol. 4. SPE Textbook Series.

Beck, M. E., Housen, B.A., 2003. Absolute velocity of North America during the Mesozoic from Paleomagnetic data. *Tectonophysics*, 377, pp. 33– 54.

Cabral-Cano, E., Lang, H. R., y Harrison, C. G. A. 2000a. Stratigraphic assessment of the Arcelia – Teloloapan area, southern México: implications for southern México's post-Neocomian tectonic evolution. *Journal of South American Earth Sciences*, 13, pp. 443 – 457.

Campa, M. F., Oviedo, R., Tardy, M. 1976. La cabalgadura laramídica del dominio volcanosedimentario (Arco de Alisitos – Teloloapán) sobre el miogeosinclinal mexicano en los límites de los estados de Guerrero y México. III Congreso Latino-Americanano de Geología, México, p. 23.

Campa, U. M. F., y Coney, P. J., 1983. Tectono-stratigraphic terranes and mineral resource distribution in Mexico. *Canadian Journal of Earth Sciences*, v. 20, pp. 1040-1051.

Cassidy, J., 1981. Techniques of field gamma-ray spectrometry. *Mineralogical Magazine* 44, pp. 391 - 398.

Cerca, M. y Ferrari, L., 2000. Patrones estructurales de la deformación laramídica en la parte oriental de la Plataforma Guerrero-Morelos (resumen), Simposio Regional sobre el Sur de México, Reunión Anual, Puerto Vallarta, Jalisco, México: México D.F., Unión Geofísica Mexicana, GEOS, 20(3), 326 p.

Chamley, H. 1989. Clay sedimentology. Springer-Verlag, Berlin, Germany, 623 p.

Collins, Lindsay B., Read, J.F., Hogarth, J.W. y Coffey, Brian P., 2006. Facies, outcrop gamma ray and C–O isotopic signature of exposed Miocene subtropical continental shelf carbonates, North West Cape, Western Australia. *Sedimentary Geology* Vol. 185, pp. 1-19.

Corbett, K., Friedman, M. y Spang, J., 1987. Fracture development and mechanical stratigraphy of Austin Chalk. *American Association of Petroleum Geologists Bulletin*, V. 71, No. 1, pp. 17–28.

Corona-Esquivel, R., 1981 publicado en 1983, Estratigrafía de la región de Olinalá-Tecocoyunca, Noreste del Estado de Guerrero: *Revista del Instituto de Geología*, 5(1), pp. 17-24.

De Cserna, Z., 1965. Reconocimiento geológico en la Sierra Madre del Sierra Madre del Sur de México, entre Chilpancingo y Acapulco, Estado de Guerrero, UNAM, Inst. Geología, Bol. 62, 76 p.

De Cserna, Z. 1974. Datos geocronométricos Terciarios de los Estados de México, Morelos y Guerrero. *Bol. Asoc. Mex. Geol. Petr.* Vol. XXVI. No. 4-6, pp. 263-273.

De Cserna, Z., Ortega-Gutierrez, F., y Palacios-Nieto, M., 1980. Reconocimiento geológico de la parte central de la cuenca del alto Rio Balsas, Estados de Guerrero y Puebla, México, D.F., Soc. Geol. Mexicana, Libro-guía de la excursión geológica a la parte central de la cuenca del alto Río Balsas, Estados de Guerrero y Puebla, pp. 1-33.

Deconinck, J.F. y Strasser, A., 1987. Sedimentology, clay mineralogy and depositional environment of Purbeckian green marls (Swiss and French Jura). *Eclogae Geol. Helv.* 80, pp. 753-772.

Ehrenberg, S. N. y Svånå, T. A., 2001. Use of Spectral Gamma-Ray Signature to Interpret Stratigraphic Surfaces in Carbonate Strata: An Example from the Finnmark Carbonate Platform (Carboniferous-Permian), Barents Sea. AAPG Bulletin. v. 85; no. 2; pp. 295-308.

Einsele, G., Ricken, W. y Seilacher, A., 1991. Cycles and events in stratigraphy-basic concepts and terms. In Cycles and events in stratigraphy (Ed. by G. Einsele, W. Ricken & A. Seilacher), Springer, Berlin, pp. 1-19.

Erben, H. K., 1956a. El Jurásico Medio y el Calloviano de México. México, D. F., Cong. Geol. Internal., 20, monogr., 104 p.

Erben, H. K., 1956b. Estratigrafía a lo largo de la carretera entre México, D.F. y Tlaxiaco, Oaxaca, con particular referencia a ciertas áreas de los Estados de Puebla, Guerrero y Oaxaca. México, D. F., Cong. Geol. Internal., 20, Excursión A-12, pp. 11-36.

Ershova, Z. V., 1967. The discovery of radioactivity and the first radioactive elements. On the hundredth anniversary of the birth of Marie Skłodowska Curie. Atomic Energy, Vol. 23 (5), pp. 1211-1214.

Evans, R. D., 1967. The Atomic Nucleus, McGraw-Hill Co. Inc., New York City.

Eyssautier-Chuine, S., Odonne, F. y Massonnat, G., 2002. Control of bioclast abundance on natural joint density in carbonate rocks: Data from Oman, Provence and Languedoc (France). Terra Nova, V. 14, pp. 198–204.

Fitz-Díaz, E., Campa, M.F., López-Martínez, M., 2002. Fechamiento de lavas andesíticas de la Formación Zicapa en el límite oriental de la Plataforma Guerrero-Morelos (resumen), en 3^a Reunión Nacional de Ciencias de la Tierra, Puerto Vallarta, Jalisco, México: México D.F., Unión Geofísica Mexicana, GEOS, 22 (2), p. 178.

Flores de Dios, A., Buitrón, B.E., 1982, Revisión y aportes a la estratigrafía de la Montaña de Guerrero: Universidad Autónoma de Guerrero, Serie Técnico Científica, 12, pp.1-28.

Frakes, L.A. y Francis, J.E., 1990. Cretaceous palaeoclimates. In Cretaceous resources, events and rhythms: background and plans for research (Ed. by R.N. Ginsburg & B. Beaudoin) NATO ASI Series, Kluwer Academic Publishers, The Netherlands, pp. 273-287.

Francis, J.E. & Frakes, L.A., 1993. Cretaceous climates. In Sedimentology Review/1 (Ed. by V.P. Wright), Blackwell, Oxford, pp. 17-30.

Fries, Carl, Jr., 1960. Geología del Estado de Morelos y de partes adyacentes de México y Guerrero, región central meridional de México, UNAM, Inst. Geología, Bol. 60, 236 p.

Gale, J.F.W., 2002. Specifying lengths of horizontal wells in fractured reservoirs. Society of Petroleum Engineers Reservoir Evaluation and Engineering, Paper No. 78600, pp. 266–272.

Gale, J. W., Laubach, S. E., Marrett, R. A., Olson, J. E., Holder, J., y Reed, R., 2004. Predicting and characterizing fractures in dolostone reservoirs: Using the link between diagenesis and fracturing, in C. J. R. Braithwaite, G. Rizzi, and G. Darke, eds., The geometry and petrogenesis of dolomite hydrocarbon reservoirs: Geological Society (London) Special Publication 235, pp. 177–192.

Gerencia de Aguas Subterráneas, CNA. “Determinación de la disponibilidad de agua en el acuífero Valle de Tepalcingo-Axochiapan, Estado de Morelos, 2002.

Gillespie, P. A., Howard, C. B., Walsh, J. J., y Watterson, J., 1993. Measurement and characterization of spatial distributions of fractures. Tectonophysics, Vol. 226, pp. 113– 141.

Gillespie, P. A., Walsh, J. J., Watterson, J., Bonson, C. G., y Manzochi, T., 2001. Scaling relationships of joint and vein arrays from The Burren, Co. Clare, Ireland. Journal of Structural Geology, Vol. 23, pp. 183–201.

Gomez, L., 2004. Predictingmacrofracture spatial arrangement from small rock samples: Testing new analytical techniques usingmicrofracture spacing (abs.). AAPG Annual Meeting Program, Vol. 13, pp. A53.

González-Partida, E., Levresse, G., Carrillo-Chavez, A., Cheillett, A., Gasquet, D., Jones, D., 2003. Paleocene adakite Au- Fe bearing rocks, Mezcala, Mexico: evidence from geochemical characteristics. Journal of Geochemical Exploration 4105, pp. 1-16.

Grajales-Nishimura, J.M., Sánchez-Hernández, R. 1979. Estudio Petrológico del matamorfismo de contacto de la zona de Tlaica Mor. México, D.F. IPN, Tesis de Licenciatura, 75 p.

Gross, M.R., 1993. The origin and spacing of cross joints: examples from the Monterey Formation, Santa Barbara coastline, California. Journal of Structural Geology., Vol. 15, pp. 737-751.

Gross, M.R., y Engelder, T., 1995. Strain accommodated by brittle failure in adjacent units of the Monterrey Formation, U.S.A.: scale effects and evidence for uniform displacement boundary conditions. Journal of Structural Geology, Vol.17, pp.1303-1318.

Gross. M.R., Fischer, M.P., Engelder, T. y Greenfield, R.J., 1995. Factors controlling joint spacing in interbedded sedimentary rocks: integrating numerical models with field observations from the Monterey Formation, USA. In: M.S. Ameen (Editor), Fractography: Fracture Topography as a Tool in Fracture Mechanics and Stress Analysis. Geol. Soc. London, Spec. Publ., 92, pp. 215 233.

Hanks, C.L., Lorenz, J.C., Teufel, L. y Krumhardt, A.P., 1997. Lithologic and structural controls on natural fracture distribution and behavior within the Lisburne group, Northeastern Brooks range and north slope subsurface, Alaska. American Association of Petroleum Geologists Bulletin, Vol. 81, pp. 1700–1720.

Hernandez-Romano, U., Aguilera-Franco, N., Martinez-Medrano, M, y Barceló-Duarte, J., 1997. Guerrero-Morelos Platform drowning at the Cenomanian-Turonian boundary, Huitziltepec, Área, Guerrero State, southern Mexico. Cretaceous Research, 18, pp. 661-686.

Hernández Romano, U. Aguilera-Franco N., Buitrón B.E., 1998, Late Cenomanian fossil association from Morelos, Mexico, Stratigraphic Implications. Revista Mexicana de Ciencias Geológicas 15, pp. 46-56.

Hernández-Romano, U., 1999, Facies, stratigraphy, and diagenesis of the Cenomanian-Turonian of the Guerrero-Morelos Platform, southern Mexico: University of Reading, Postgraduate Research Institute for Sedimentology, tesis doctoral, 322 p.

Hillier, S. 1995. Erosion, sedimentation and sedimentary origin of clays. In Origin and mineralogy of clays- clays and the environment (Ed. by B. Velde), Springer, Berlin, pp. 162-219.

Hobbs, W. H., 1904. Lineaments of the Atlantic border regions. Geological Society of America Bulletin, Vol. 15, pp. 483-506.

Hobbs, W. H., 1905. Examples of joint-controlled drainage from Wisconsin and New York. Journal of Geology, Vol. 13, pp. 363-374.

Huang, Q. y Angelier, J., 1989. Fracture spacing and its relation to bed thickness. Geol. Mag., Vol. 126, pp. 355-362.

Juárez-Arriaga, E., 2006. Marco de Estratigrafía de Secuencias para la Sucesión Sedimentaria Terrigeno-Carbonátada del Paleozoico Superior del Área de Olinalá, Guerrero, México. México, D.F.; UNAM, Instituto de Geología, Tesis de Maestría, 93 p.

Koptíková, L., Hladil, J., Slavík, L., Čejchan, P. y Bábek, O., 2010. Fine-grained non-carbonate particles embedded in neritic to pelagic limestones (lochkovian to emsian, prague synform, czech republic): composition, provenance and links to magnetic susceptibility and gamma-ray logs. *Geologica Belgica*. 13(4), pp. 407 - 430.

Ladeira, F.L. y Price, N.J., 1981. Relationship between fracture spacing and bed thickness. *Journal of Structural Geology*, Vol. 3, pp. 179-183.

Lapp, R. E., Andrews, H. L., 1964. Nuclear Radiation Physics. 3rd edition, Prentice-Hall Inc. NJ.

Laubach, S. E., y Tremain, C. M., 1991. Regional coal fracture patterns and coalbed methane development, in J. C. Rogiers, ed., Rock mechanics as multidisciplinary science: Proceedings of the 32nd U.S. Symposium: Rotterdam, A. A. Balkema, pp. 851– 859.

Laubach, S. E., Marrett, R. A., Olson, J. E., y Scott, A. R., 1998. Characteristics and origins of coal cleat. A review: *International Journal of Coal Geology*, Vol. 35, pp. 175– 207.

Lawn, B.R., y Wilshaw, T.R., 1975. Fracture of Brittle Solids. Cambridge University Press.

Levinson, A. A., Coetzee, G. L., 1978. Implications of disequilibrium in exploration for uranium ores in the surficial environment using radiometric techniques – a review. *Miner. Sci. Eng.*, 10, pp. 19 – 27.

Marrett, R., 1996. Aggregate properties of fracture populations, in P. A. Cowie, R. J. Knipe, I. G. Main, and S. F. Wojtal, eds., Special issue: Scaling laws for fault and fracture populations; analyses and applications. *Journal of Structural Geology*, Vol. 18, No. 2–3, pp. 169– 178.

Marrett, R., Ortega, O., y Kelsey, C., 1999. Extent of power-law scaling for natural fractures in rock. *Geology*, Vol. 27, No. 9, pp. 799– 802.

Mauldon, M., Dunne, W. M., y Rohrbaugh Jr., M. B., 2001. Circular scanlines and circular windows: New tools for characterizing the geometry of fracture traces. *Journal of Structural Geology*, Vol. 23, pp. 247–258.

Molina Garza, R. et al., 2003, Paleomagnetism of the Cretaceous Morelos and Mezcala Formations, southern Mexico. *Tectonophysics*, Vol. 361, pp. 301-317.

Narr. W. y Suppe, J., 1991. Joint spacing in sedimentary rocks. *J. Struct. Geol.*, Vol. 13, pp. 1037 1048.

Nelson, R. A., 1985. *Geologic Analysis of Naturally Fractured Reservoirs*, Gulf Publishing, Houston, Texas, Contr. in Petrol. Geology and Eng., No. 1, 320 p.

Nelson, R.A., 2001. *Geologic Analysis of Naturally Fractured Reservoirs*. Houston: Gulf Publishing, Boston.

Nilsen, T. H., 1973. The relation of joint patterns to the formation of folds in western Norway. *Norsk Geologisk Tidsskrift*, Vol. 53, pp. 183-194.

Odonne, F., Le'zin, C., Massonnat, G., y Escadeillas, G., 2007. The relationship between joint aperture, spacing distribution, vertical dimension and carbonate stratification: An example from the Kimmeridgian limestones of Pointe-du-Chay (France). *Journal of Structural Geology*, Vol. 29, pp. 746–758.

Ontiveros-Tarango, G., 1973, Estudio estratigráfico de la porción noroccidental de la Cuenca Guerrero-Morelos: Boletín de la Asociación Mexicana de Geólogos Petroleros, 25(4-6), pp. 190-234.

Ortega, O.J., Marrett, R., y Laubach, S.E., 2006. A scale-independent approach to fracture intensity and average spacing measurement. American Association of Petroleum Geologists Bulletin, Vol. 90, No. 2 , pp. 193–208

Ortega-Gutiérrez, F., 1978, Estratigrafía del Complejo Acatlán en la región de la Mixteca Baja, Estado de Puebla, UNAM, Inst. Geología, Revista, v.2, pp. 112-131.

Ortega-Gutierrez F., 1980. Rocas volcánicas del Maestrichtiano en el área de San Juan Tetelcingo, Estado de Guerrero., in Sociedad Geológica Mexicana. Libro Guía de la excursión geológica a la parte central de la cuenca del alto Río Balsas. V Convención Geológica Nacional, pp. 34-38

Ortega-Gutiérrez, F., 1981. La evolución tectónica premisisípica del sur de México, UNAM, Inst. Geología, Revista, 5, pp. 140-157.

Ortega-Gutiérrez, F., Mitre-Salazar, L.M., Roldán-Quintana, J., Arandara-Gómez, J.J., Morán-Zenteno, D.J, Alaniz-Álvarez, S.A. y Nieto-Samaniego, Á.F., 1992, Carta geológica de la República Mexicana, 5^a ed.: UNAM, Instituto de Geología; Secretaría de Energía, Minas e Industria Paraestatal, Consejo de Recursos Minerales, Mapa de escala 1:2'000,000, con texto explicativo de 74 p.

Ortega-Gutiérrez, F., Elías-Herrera, M., Dávalos-Elizondo, M.G., 2008, On the nature and role of the lower crust in the volcanic front of the Trans-Mexican Volcanic Belt and its fore-arc region, southern and central Mexico. Revista Mexicana de Ciencias Geológicas, v. 25, núm. 2, pp. 346-364.

Pawellek, T. y Aigner, T., 2003. Stratigraphic architecture and gamma ray logs of deeper ramp carbonates (Upper Jurassic, SW Germany). *Sed Geol* 159, pp. 203–240

Pollard, D.D. y Segall, P., 1987. Theoretical displacements and stresses near fractures in rock: with applications to faults, joints, veins, dikes, and solution surfaces. In: B.K. Atkinson (Editor), *Fracture Mechanics of Rock*. Academic Press, London, pp. 277-349.

Pollard, D., y Aydin, A., 1988. Progress in understanding jointing over the past century. *Geological Society of America Bulletin*, Vol. 100, pp. 1181-1204.

Postma, G. y Ten Veen, J. H., 1999. Astronomically and tectonically linked variations in gamma-ray intensity in Late Miocene hemipelagic successions of the Eastern Mediterranean Basin. *Sedimentary Geology* 128, pp. 1 – 12.

Price, G.D., Valdes, P.J. & Sellwood, B.W., 1998. A comparison of GCM simulated Cretaceous ‘greenhouse’ and ‘icehouse’ climates: implications for the sedimentary record. *Palaeogeography, Palaeoclimatology, Palaeoecology*. 142, pp. 123-138.

Priest, S. D., y Hudson, J. A., 1976. Discontinuity spacing in rock. *International Journal of Rock Mechanics, Mining Science, and Geomechanics Abstracts*, Vol. 13, pp. 135– 148.

Ramsay J. G. y Huber M. I., 2002. The techniques of modern structural geology. Volume 2: Folds and fractures. Sixth reprinting, Academic Press.

Rives, T., Razack, M., Petit, J.-P. y Rawnsley. K.D., 1992. Joint spacing: analogue and numerical simulations. *J. Struct. Geol.*, Vol. 14 pp. 925 937.

Robinson, D. & Wright, V.P. 1987. Ordered illite-smectite and kaolinite-smectite: pedogenic minerals in a Lower Carboniferous paleosol sequence, south Wales? *Clay minerals* 22, pp. 109-118.

Rouleau, A., y Gale, J.E., 1985. Statistical characterization of the fracture system in the Stripa Granite, Sweden. International Journal of Rock Mechanics, Mining Science and Geomechanical Abstracts. Vol. 22, pp. 353-367.

Ruffell, A., Worden, R., 2000. Palaeoclimate analysis using spectral gray data from the Aptian (Cretaceous) of southern England and southern France. Palaeogeography, Palaeoclimatology, Palaeoecology, 155, pp. 265–283.

Salinas-Prieto J. C., Monod O., y Faure M. 2000. Ductile deformations of opposite vergence in the eastern part of the Guerrero Terrane (SW Mexico). Journal of South American Earth Sciences 13, pp. 389-402.

Salkind, N.J., 2004. Statistics for People Who (Think They) Hate Statistics. Sage Publishing Inc., Thousand Oaks.

Sánchez-Zavala, J.L., 1993, Secuencia volcano-sedimentaria del Jurásico superior-Cretácico Arcelia-Otzolopan (Terreno Guerrero), área de Valle de Bravo-Zacazonapan, Estado de México: Petrografía, Geoquímica, Metamorfismo e Interpretación Tectónica Universidad Nacional Autónoma de México, Instituto de Geología, Tesis de Maestría, 100 p.

Sanderson, D.J., Roberts, S., y Gumieli, P., 1994. A fractal relationship between vein thickness and gold grade in drill core from La Codosera, Spain. Economic Geology, Vol. 89, pp.168-173.

Schlumberger, 1987. Log Interpretation Principles/Applications, Houston.

Scholarscher, W., 1993. Cyclostratigraphy and the Milankovitch Theory. Developments in Sedimentology 52, Elsevier, Amsterdam, 225 p.

Serra, O., Baldwin, J., y Quire, J., 1980. Theory, Interpretation and Practical Application of Natural Gamma Ray Spectroscopy. Trans. SPWLA 21st Annu. Logging Symp., Q1-Q30.

Sharp, J.M., Jr., 1993. Fractured Aquifers/Reservoirs: Approaches, Problems, and Opportunities. Memoirs of the 24th Congress of the IAH, Oslo, Norway.

Silva-Romo, G., 2008. Guayape-Papalutla fault system: A continuous Cretaceous structure from southern Mexico to the Chortis block? Tectonic implications: Geology, 36(1), pp. 75-78.

Simpson, G.D.H., 2000. Synmetamorphic vein spacing distributions: characterisation and origin of a distribution of veins from NW Sardinia, Italy. Journal of Structural Geology, Vol. 22, pp. 335-348.

Singer, A., 1984. The paleoclimatic interpretation of clay minerals in sediments-review. Earth Sci. Rev. 21, pp. 251-293.

Stearns, D.W., 1968a, Fracture as a Mechanism of Flow in Naturally Deformed Layered Rock, in *Kink Bands and Brittle Deformation*, A.J. Baer and D.K. Norris, Eds., Geol. Surv. Can., Vol. 68-52, pp. 79-95.

Stearns, D.W., 1964. Macrofracture Patterns on Teton Anticline, Northwest Montana. Amer. Geophys. Union Trans., Vol.. 45, pp. 107-108.

Stearns, D.W., 1968b. Certain Aspects of Fracture in Naturally Deformed Rocks, in NSF Advanced Science Seminar in Rock Mechanics, R. E. Rieker, Ed., Special Report, Air Force Cambridge Research Laboratories, Bedford, Massachusetts, AD 6693751, pp. 97-118.

Stearns, D.W., y M. Friedman, 1972. Reservoirs in Fractured Rock. American Association of Petroleum Geology, Memoir 16, pp. 82-100.

Svendsen, Johan B., Hartley y Neil R., 2001. Comparison between outcrop-spectral gamma ray logging and whole rock geochemistry: implications for quantitative reservoir characterization in continental sequences. Marine and Petroleum Geology.18, pp. 657-670.

Valdes, P.J., Sellwood, B.W. y Price, G.D., 1996. Evaluating concepts of Cretaceous equability. *Palaeoclimates* 2, pp. 139-158.

Weber, R., Centeno-García, E., y Magallón-Puebla, S. A., 1987, La Formación Matzitzi, estado de Puebla, tiene una edad permocarbonífera, en Segundo Simposio sobre la Geología Regional de México, Programa y Resúmenes: México, Universidad Nacional Autónoma de México, Instituto de Geología, pp. 57-59.

Weber, R., 1997, How old is the Triassic flora of Sonora and Tamaulipas and news on Leonardian flora in Puebla and Hidalgo, Mexico: *Revista Mexicana de Ciencias Geológicas*, 14, pp. 225-243.

Wennberg, O.P., Svana, T., Azizzadeh, M., Aqrawi, A.M.M., Brockbank, P., Lyslo, K.B., Ogilvie, S., 2006. Fracture intensity vs. mechanical stratigraphy in platform top carbonates: the Aquitanian of the Asmari Formation, Khaviz Anticline, Zagros, SW Iran. *Petroleum Geoscience*, Vol. 12, pp. 235–245.

Youmans, A. y Monaghan, R., 1964. Stability Requirements for Scintillation Counters Used in Radioactivity Logging. *AIME*.