

Scientific Publication Listing - Felix M. Gradstein

Books

- Gradstein, F.M., F.P. Agterberg, J. Brower and W. Schwarzacher, 1985. Quantitative Stratigraphy, 600 p., Reidel Publishing Co. (Chinese translation, 1991).
- Sheridan, R.S., F.M. Gradstein, et al., 1983. Initial Reports of the Deep Sea Drilling Project, volume 76, 1100 p.
- Gradstein, F.M. and L.M. Horne (eds.), 1987. Canadian proposals for the Ocean Drilling Project. Proceedings, Canadian Workshop Ocean Drilling Project, Montreal 1986, 400 p.
- Rögl, F. and F.M. Gradstein (eds.), 1988. Proceedings Second Workshop on Agglutinated Foraminifera, Vienna 1986, Abh. Geol. Bundesanstalt, Wien, 354 p.
- Gradstein, F.M., D. Nobes, S. Deveau, N. Fagan and B. Collins, 1990. Second Canadian Proposals Workshop for the Ocean Drilling Program, Waterloo, 1990, 450 p.
- Ludden, J., F.M. Gradstein, et al., 1990. Proceedings, Ocean Drilling Program, Initial Reports, volume 123, 716 p.
- Gradstein, F.M., J. Ludden et al., 1992. Proceedings, Ocean Drilling Program, Scientific Results, volume 123, 875 p.
- Gradstein, F.M., M.A. Kaminski, W.A. Berggren, I.L. Kristiansen, and M. d'Iorio, 1994. Cenozoic biostratigraphy of the North Sea and Labrador Shelf. Synthesis of biostratigraphic zonations and paleobathymetric trends in 63+ exploration wells, using new stratigraphic methods for basin analysis. *Micropaleontology*, Spec. Publ. 150 p.
- Gradstein, F.M., K.O. Sandvik, N.J. Milton, 1998 (Eds). Sequence Stratigraphy - Concepts and Applications. Norwegian Petroleum Society Special Publ. no 8, 437 p.
- Gradstein, F.M., G. van der Zwaan, 1999 (Eds). 'Ordering the Fossil Record - Challenges in Stratigraphy and Paleontology', Spec. Publ. Earth Science Reviews vol 46, nos 1-4, 235p.
- Kaminski, M.A., and F.M. Gradstein, 2004. Atlas of Paleogene Cosmopolitan Deep Water Agglutinated Foraminifera. Grzybowski Foundation Special Publication no. 10, 548 p., 140 plates.
- Gradstein, F.M., J.G. Ogg, A. Smith *et al.*, 2004. Geologic Timescale 2004. Cambridge University Press, 589 p, ~200 figs.
- Wandas, B.T.G., Nystuen, J.P., Eide, E., and Gradstein, F.M., 2005 (Eds). Onshore-Offshore Relationships on the North Atlantic Margin. Norwegian Petroleum Society, Spec. Publ. no. 12, 305 p.
- Ogg, James.G., Gabi Ogg and Felix M. Gradstein, 2008. The Concise Geologic Time Scale. Cambridge University Press. 177 p.

Scientific Movies

- "In search of the Lost Ocean" (1991). Producer: F.M. Gradstein; co-producers: I.L. Kristiansen, Norway and M. Sarti, Italy. Technical realisation: Ivan Ardizoni, Antenne Verde Studios, Ferrara, Italy.

This 28 minute video highlights the high mountain trekking and geological discoveries of the 1991 "Lost Ocean" expedition in Central Nepal. The expedition provides new pieces in the puzzle of plate tectonics, the birth of the Indian Ocean and the origin of the Himalayas. The film features authentic Nepali music and blends beautiful cultural and geological images of a unique country and its mountain people in a story of "The Lost Ocean".

Computer Programs

1982 - 2005 RASC - Ranking and Scaling program for probabilistic biostratigraphic zonation and correlation (with F. Agterberg and students); version 18 (including Visual Basic colour graphics) is significantly expanded to include probabilistic correlations and variance analysis of events;

1984 - 1988 BURSUB and DEPOR - Burial and Subsidence Analysis (with B. Stam, M. Fearon, Z. Huang).

1987 - 1997 STRATCOR - "Graphic Correlation" method for interactive deterministic or probabilistic zonation and correlation (with M. Fearon, A. Jackson, D. Merrett); version 3.1 in 1993.

1992 - 1997 MAKEDAT - Data base organizer and data explorer for the quantitative biostratigraphy programs (with D. Merrett); version 5.0 in 1997.

1992 - MAKEPAR - Parameter file routine for RASC (with Z. Huang).

1993 - SIS - Stratigraphic Information System (Microfossil distribution bookkeeper and display); update and revision of program developed by T.Bjaerke, Norway.

2006 – QS Creator- Quantitative Stratigraphy Creator. Java software to facilitate data input and data conversion between RASC and CONOP programs (with A.Lugowski). *Freely downloaded from <http://www.rasc.uio.no/>*

2007 – TSCreator Pro for petroleum industry. Facilitate on-screen representation of any portion of the standard geologic time scale with choice of bio-magneto-sequence, chemo and other events in Earth History. Regional scales can also be created to calibrate well records (with A.Lugowski and J. Ogg; *see for example <http://www.tscreator.org/index/index.php>*

2007 – RASC version 20. Improved biostratigraphic scaling method using standard cumulative thickness intervals, and improved graphics to zone and correlate well sections (with F.Agterberg and L.Gang). *Freely downloaded from <http://www.rasc.uio.no/>*

International Scientific Websites

<http://www.stratigraphy.org> Initiated and co- organized the official website from the International Commission on Stratigraphy (ICS).

<http://rasc.uio.no> Initiated and organized the website for the quantitative stratigraphy programs RASC & CASC, copyrighted by F.P.Agerberg and F.M.Gradstein

(<http://www.nhm.uio.no/norlex> Founder and leader of the Network for Offshore Records of Geology and Stratigraphy (NORGES), and the Norwegian Lithostratigraphic Lexicon (NORLEX).

<http://www.nhm.uio.no/novazem> Co-initiated and organized the project and website of the Novaya Zemlya Consortium at NHM.

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Gradstein, F.M., 1970. Foraminifera from the type Sicilian at Ficarazzi, Sicily (Lower Pleistocene); Proc. Kon. Nederl. Akad. Wetensch, A'dam ser. B, no.4, p.1-30, 4 figs., 1 pl.

Gradstein, F.M., 1971. The age of beds in the Lettenkohle facies in S.E. France (a palynological approach); Pollen et Spores, v. 13, no. 1, p. 169-178, 3 figs., 2 pl.

Gradstein, F.M., 1971. Biometrical study of Pliocene Globorotalia: Proc. II Plankt. Conf. Roma, 1970, p. 583-572, 19 figs., 2 pl., 2 tables.

Gradstein, F.M. and van Gelder, A., 1971. Prograding clastic fans and transition from a fluvial to a marine environment in Neogene deposits of Eastern Crete; Geologie & Mijnbouw, v. 50, no. 3, p. 383-392, 3 figs., 4 pl.

Gradstein, F.M., 1973. Pliocene and Pleistocene planktonic Foraminifera from Santa Maria di Catanzaro, southern Italy; Newsl. Strat., v. 3, no. 1, p. 45-58.

Gradstein, F.M., 1973. The Neogene and Quaternary deposits in the Sitia district of eastern Crete; Ann. Geol. Pays Helleniques, v. 24, p. 527-572, 19 figs., 2 pl., 2 tables.

Gradstein, F.M., 1974. Mediterranean Pliocene Globorotalia - a biometrical approach; Ph.D. Thesis, Utrecht Univ., published by Krips Repro., Meppel, Netherlands, 128 p., 44 figs., 13 tables, 8 pl.

Gradstein, F.M., Williams, G.L., Ascoli, P. and Jenkins, W.A.M., 1974. Geological history and paleobiogeography of the Jurassic, Cretaceous and Tertiary of offshore Eastern Canada; in Proc. of Symposium, Paleogeography and Paleobiogeography: Organisms and Continents in Space and Time; Woods Hole Oceanographic Institution, p. 1-6, 12 figs.

Gradstein, F.M., Williams, G.L., Jenkins, W.A.M. and Ascoli, P., 1974. Mesozoic and Cenozoic stratigraphy of the Atlantic continental margin, eastern Canada; in Canadian Society of Petroleum Geologists Special Publication, Canada's Continental Margins and Offshore Petroleum Exploration, Calgary, 1974, p. 103-131, 7 figs.

Jenkins, W.A.M., Ascoli, P., Gradstein, F.M., Jansa, L.F. and Williams, G.L., 1974. Stratigraphy of the Amoco-IOE Puffin B-90 well, Grand Banks of Newfoundland; Geol. Surv. Can., Paper 74-61, 12 p., 2 figs.

Gradstein, F.M., 1976. Micropaleontology of the Canadian Atlantic continental margin; in Bedford Institute of Oceanography Biennial Review 1974-75, p. 15-28, 15 figs.

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Gradstein, F.M., Jenkins, W.A.M. and Williams, G.L., 1976. Biostratigraphy and depositional history of Amoco Skelly B-1 Egret K-36, Grand Banks, Newfoundland; Geol. Surv. Can., Open File Report, 18 p., 2 figs.

Jansa, L.F., Gradstein, F.M., Harris, I.M., Jenkins, W.A.M. and Williams, G.L., 1976. Stratigraphy of the Amoco-IOE Murre G-67 well, Grand Banks of Newfoundland; Geol. Surv. Can., Paper 75-30, 14 p., 5 figs.

Gradstein, F.M., 1977. Biostratigraphy and biogeography of Jurassic Grand Banks Foraminifera; in Proc. First International Conf. Benthonic Foraminifera, Halifax, N.S., 1975; Special Publication, Maritime Sediments, v. 2, p. 557-583, 8 figs., 8 pl.

Gradstein, F.M., 1977. Foraminifera from DDSP Site 370, Leg 41, Eastern North Atlantic Ocean. In I. Lancelot, E. Seibold et al., Initial Report of Deep Sea Drilling Project Leg 41, Eastern North Atlantic Ocean (U.S. Govt. Printing Office, Washington), 10 p., 1 fig.

Gradstein, F.M., Grant, A.C. and Jansa, L.F., 1977. Grand Banks and J-anomaly Ridge, a geological comparison; Science, p. 1074-1076, 4 figs.

Benson, W.E. and Sheridan, R.E., et al., 1978. Sites 388, 389, 390, 391, 392, Deep Sea Drilling Project Leg 44 (U.S. Govt. Printing Office, Washington).

Gradstein, F.M., 1978. Grand Banks Jurassic Foraminifera; Jour. Foram. Res., p. 97-105, 5 figs., 5 pl.

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Sheridan, R.E., Benson, W.E., Enos, P. and Gradstein, F.M., 1978. Mesozoic and Cenozoic sedimentary environments of the western North Atlantic; in W.E. Benson, R.F. Sheridan et al.; Init. Rept. Deep Sea Drilling Project Leg 44, western North Atlantic Ocean (U.S. Govt. Printing Office, Washington), p. 971-979, 2 figs., 1 table.

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