Scientific Publication Listing - Felix M. Gradstein

Books


Scientific Movies
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;


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 fascilitate 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. Fascilitate 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


International Scientific Websites

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

http://rasc.uio.no Initiated and organize 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 organise the project and website of the Novaya Zemlya Consortium at NHM.
Bibliography (exclusive of abstracts)


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.


Agterberg, F.P., Gradstein, F.M., 1983. System of interactive computer programs for


Gradstein, F.M. & Lugowski, A. 2006. QSCreator- Quantitative Stratigraphy Creator. Java software to facilitate data input and data conversion between RASC and CONOP programs.


**In preparation:**

Gradstein, F.M., Biochronology. In: History of Micropalaeontology.

