

Qilong Fu

Professional Summary

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Academic Background

B.Sc. Geology, Changchun College of Geology (Jilin University), Changchun, China, 1987
M.Sc. Geology, Institute of Geology, Chinese Academy of Sciences, Beijing, China, 1990
Ph.D. Geology, University of Regina, Saskatchewan, Canada, 2005

Areas of Expertise

- A. Sedimentology and stratigraphy
- B. Petrology of sedimentary rocks
- C. Reservoir characterization

Professional Work Experience

- A. Present Position: Research Associate, Bureau of Economic Geology, The University of Texas at Austin (January 2008 - Present).
- B. Senior Petroleum Geologist (Petrologist), AGAT Laboratories Ltd., Calgary, Canada (May 2007 - December 2007).
- C. Petroleum Geologist, Canada Capital Energy Corporation, Regina, Saskatchewan, Canada (May 2006 - October 2006).
- D. Research Fellow & Sessional Lecturer, Department of Geology, University of Regina, Regina, Saskatchewan, Canada (November 2006 - April 2007).
- E. Research Scientist, Nanjing Institute of Geology & Paleontology, Chinese Academy of Sciences, Nanjing, China (September 1998 - December 1998).
- F. Research Associate, Nanjing Institute of Geology & Paleontology, Chinese Academy of Sciences, Nanjing, China (September 1993 - August 1998).
- G. Research Assistant, Nanjing Institute of Geology & Paleontology, Chinese Academy of Sciences, Nanjing, China (September 1990 - August 1993).

Professional Societies

American Association of Petroleum Geologists
International Association of Sedimentologists
SEPM (Society for Sedimentary Geology)

Publications

Guidebooks

Wright, Wayne, El-Azzi, J. A., Ruppel, S. C., Nance, H. S., and Fu, Qilong, 2010, Facies, facies-stacking, and architecture of the Pennsylvanian and Lower Permian, Hueco Mountains, Texas: 1-D and 2-D analogs for subsurface reservoir successions: The University of Texas at Austin, Bureau of Economic Geology Field Trip Guidebook, 103.

Articles

Peer Reviewed

- Fu, Q., and Qing, H., 2011, Medium and coarsely crystalline dolomites in the Middle Devonian Ratner Formation, southern Saskatchewan, Canada: origin and pore evaluation: *Carbonates and Evaporites*, v. 26, p. 111–125.
- Fu, Qilong, Qing, H., Bergman, K. M., and Yang, C., 2008, Dedolomitization and calcite cementation in the Middle Devonian Winnegosis Formation in Central Saskatchewan, Canada: *Sedimentology*, v. 55, p. 1623–1642.
- Fu, Qilong, and Qing, H., 2007, Neomorphism of the Ratner limestone in south-central Saskatchewan: *Canadian Journal of Earth Sciences*, v. 44, p. 695–705.
- Fu, Qilong, Qing, H., and Bergman, K. M., 2006, Paleokarst in the Devonian Winnipegosis mud mounds of southern Saskatchewan: *Bulletin of Canadian Petroleum Geology*, v. 54, p. 22–36.
- Fu, Qilong, and Bergman, K. M., 2006, Dolomitization of the Middle Devonian Ratner laminate, southern Saskatchewan: *Journal of Geological Society, London*, v. 163, p. 937–948.
- Fu, Qilong, and Bergman, K. M., 2006, Dolomitization of the Middle Devonian Winnipegosis carbonates in south-central Saskatchewan, Canada: *Sedimentology*, v. 53, p. 825–848.
- Fu, Qilong, Qing, H., and Bergman, K. M., 2004, Dolomitized calcrete of the Middle Devonian Winnipegosis mounds, subsurface of south-central Saskatchewan, Canada: *Sedimentary Geology*, v. 168, p. 49–69.
- Liu, Gengwu, Li, Daiyun, Huang, Fei, and Fu, Qilong, 2002, Pliocene flora from the Gantang Formation of Yuanmou Basin, Yunnan Province, SW China and its paleoclimate significance (In Chinese with English abstract): *Acta Palaeontologica Sinica*, v. 41, no. 1, p. 1–9.
- Yuan, Jinliang, Li, Yue, Mu, Xinan, and Fu, Qilong, 2000, Biostratigraphy of trilobites from the Zhangxia Formation (late-Middle Cambrian) in Shandong, China (In Chinese with English abstract): *Journal of Stratigraphy*, v. 24, no. 2, p. 136–143.
- Fu, Qilong, Zhou, Zhicheng, and Peng, Shanchi, 1999, Sedimentology of candidate sections for the Middle-Upper Cambrian boundary stratotype in western Hunan, China (In Chinese with English abstract): *Scientia Geologica Sinica*, v. 34, no. 2, p. 204–212.
- Li, Yue, Yuan, Jinliang, Fu, Qilong, and Lin, Tianrui, 1998, Environments and carbonate microfacies of the Lower Cambrian in Huainan of Anhui, China (In Chinese with English abstract): *Journal of Stratigraphy*, v. 22, no. 4, p. 262–268.
- Li, Yue, and Fu, Qilong, 1998, The microfacies of the Ningqiang Formation limestones (Telychian, Silurian) in Ningqiang-Guangyuan area, Shanxi and Sichuan, China (In Chinese with English abstract): *Acta Micropalaeontologica Sinica*, v. 15, no. 3, p. 294–306.
- Zhou, Zhicheng, and Fu, Qilong, 1997, Sedimentary facies and trace fossils of the Late Cretaceous to Early Tertiary marine strata in the western Tarim Basin, China (In Chinese with English abstract): *Acta Paleontologica Sinica*, v. 35, Sup., p. 174–181.

- Fu, Qilong, 1996, Carbon and oxygen isotope composition with relation to diagenetic environments of the Lower Tertiary carbonates in Kuqa Basin, northwestern China (In Chinese with English abstract): *Journal of Stratigraphy*, v. 20, p. 265–271.
- Fu, Qilong, and Sha, Qingan, 1994, Morphology, sedimentary structures and genesis of coastal sand dunes in Changli, China (In Chinese with English abstract): *Acta Sedimentia Sinica*, v. 12, no. 1, p. 98–105.
- Fu, Qilong, and Sha, Qingan, 1993, Comparative study on aeolian dune and beach sediments from Changli Coast, China (In Chinese with English abstract): *Scientia Geologica Sinica*, v. 28, no. 1, p. 52–60.

Non-Peer-Reviewed

- Fu, Qilong, Qing, H., and Bergman, K. M., 2005, Diagenetic history of the Middle Devonian Winnipegosis Formation, south-central Saskatchewan, *in* Summary of Investigations 2005(1), Saskatchewan Geological Survey Miscellaneous Report (A-7), p. 1–11.
- Fu, Qilong, Qing, H., and Bergman, K. M., 2002, Petrography of diagenetic anhydrite in the Middle Devonian Winnipegosis and Ratner formations, south-central Saskatchewan, *in* Summary of Investigations 2002, vol. 1, Saskatchewan Geological Survey Miscellaneous Report, p. 15–23.

Abstracts

- Fu, Qilong, Qing, H., and Bergman, K. M., 2006, Dolomitization of the Middle Devonian Winnipegosis carbonates in south-central Saskatchewan (abs.), *in* CSPG-CSEG Annual Convention (May 15–18), Calgary, Alberta.
- Fu, Qilong, Qing, H., and Bergman, K. M., 2004, Early dolomitization of the Middle Devonian Ratner laminite and recrystallization of dolomite in the Elk Point Basin, Saskatchewan, Canada (abs.), *in* CSPG-CHOA-CWLS Joint Convention (May 31–June 4), Calgary, Alberta.
- Fu, Qilong, Qing, H., and Bergman, K. M., 2003, Calcrete and paleokarst of the Winnipegosis mounds in the subsurface of South-central Saskatchewan (abs.), *in* CSPG-CSEG Annual Convention (June 2–6), Calgary, Alberta.

Contract Reports

- Fu, Qilong, 2007, Petrographic study of thirteen Devonian limestone samples from the Well 102/06-07-085-06W5M location, 29 p.
- Fu, Qilong, 2007, Petrographic study of eleven carbonate samples from Grosmont Formation at Husky Saleski Well 1AA/11-11-087-19W4M location, 31 p.
- Fu, Qilong, 2007, Petrographic study of twenty-three outcrop samples from Wabamun Group at the Blackstone Gap and Trout Creek locations, 48 p.
- Fu, Qilong, 2007, Petrographic study of six sandstone samples from the Gilwood Member (Watt Mountain Formation) at 02/16-36-073-21W5M location, 25 p.
- Fu, Qilong, 2007, Petrographic study of four sandstone samples from Keg River and Granite Wash formations at Well 02/04-01-088-08W5M location, 28 p.

Course Notes

- Ruppel, S. C., Wright, W., Fu, Q., Nance, H. S., Hamlin, H. S., Kerans, C., and El-Azzi, J. A., 2010, Permian Basin Geological Synthesis Project Sponsor's Meeting and Field Trip presentation notes: The University of Texas at Austin, Bureau of Economic Geology, variously paginated.

Workshop Workbooks

Ruppel, S. C., Loucks, R. G., Hamlin, H. S., Nance, H. S., Gale, Julia, Fu, Qilong, Ali, Walaa, and Helbert, Dana, 2009, Applications of cores to Permian Basin reservoir characterization: The University of Texas at Austin, Bureau of Economic Geology, 34 p.

Lecturing

Workshops

Wolfcamp Platform carbonates: facies and cyclicity: presented at Southwest Section, American Association of Petroleum Geologists Annual Meeting, Midland, Texas, April 25, 2011.

Applications of Cores to Permian Basin Reservoir Characterization: presented at Southwest Section, American Association of Petroleum Geologists, Annual Meeting, Midland, Texas, April 25, 2009.

Lectures and Addresses

A synthesis of Wolfcampian Platform carbonates in the Permian Basin: presented at West Texas: presented at West Texas Geological Society monthly luncheon meeting, Midland, Texas, March 2011.

Field Trips

Field Trip Co-Leader, Facies, facies-stacking, and architecture of the Pennsylvanian and Lower Permian, Hueco Mountains, Texas: 1-D and 2-D analogs for subsurface reservoir successions: Permian Basin Geological Synthesis Project, Hueco Mountains, Texas, 2010.