

Curriculum Vitae: 2024
Joseph G. Meert

Current Position

2012-present University of Florida Professor of Geological Sciences, University of Florida, Gainesville, FL

Present Address

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Educational Background & Work History

2006-2012: Associate Professor of Geological Sciences, University of Florida, Gainesville, FL
2002-2006: Assistant Professor of Geological Sciences, University of Florida, Gainesville, FL
1999-2001: Associate Professor of Geology-Tenure, Indiana State University, Terre Haute, IN
2001-2001: Visiting Professor, Universite Paul Sabatier, Toulouse, France
2000-2001: Fulbright Senior Scholar, Trondheim Norway, Norwegian Geological Survey
1994-1999: Assistant Professor of Geology, Indiana State University, Terre Haute, IN
1993-1994: Research Fellow, University of Michigan, Ann Arbor, MI
1988-1993: Ph.D. Geology, University of Michigan, Ann Arbor, MI
Summer 1991: Summer Intern, Amoco Oil Corporation, Houston, TX
1987-1988: M.S. Geology, University of Florida, Gainesville, FL
1982-1986: B.S. Geology, University of Florida, Gainesville, FL

Professional Societies

American Geophysical Union; Geological Society of America ; Sigma Xi; National Center for Science Education; Sigma Gamma Epsilon: National Earth Honor Society; International Association for Gondwana Research; Gondwana Institute for Geology and Environment; Florida Citizens for Science, Aircraft Owners and Pilot's Association; National Association for Geoscience Teachers

Professional Service

Precambrian Research: Editorial Board Member 1996-2012
Geology-Editorial Board 2004-2009
Precambrian Research Special Issue on the Assembly of Rodinia, co-editor (2001)
Timescales of the Paleomagnetic Field, co-editor AGU Geophysical Monograph Series, 2004
Gondwana Research: Associate Editor (1999-present)
Gondwana Newsletter: Chief Editor (2001-2006)

GSA PEPP: Program Member 1994-1998
IGCP Project 440: Assembly of Rodinia: Member of Paleomagnetic Research Group
State of Indiana Core 40 Environmental Science Standards team 1997
IRIS Consortium- Assistant Director University of Florida:2008-2010
Florida Citizens for Science: Vice Chair 2006-2008
Geological Society of America: Student Grants Committee 2007-2009.
NDSEG Student Grants: Committee 2007-2012, 2014
NSF Graduate Research Fellow Review: Committee 2010-2011, 2015, 2016
SMART Fellowship Review: Committee 2011-2012, 2014
Geological Society of America Pardee Symposium: Co-organizer 2007.
Geological Society of America National Meeting: Organizing Committee 2009-2011.
National Research Council Report "Scientific Ocean Drilling: Accomplishments and Challenges", external reviewer 2011.
Organizing Committee "Bridging two continents" Second joint scientific meeting of the Geological Society of America and the Geological Society of China, November 2015.
Vice President- International Association of Gondwana Research, 2015-2017
Center for Earth Evolution and Dynamics Advisory Committee Ivar Giaver Geomagnetic Laboratory, Oslo, Norway 2015-present
President- International Association for Gondwana Research, 2018-2021
Vice-President- International Association for Gondwana Research, 2022-2024.
Advisory Board Member: Journal: Continent and Life Evolution, 2024-

[Awards/Recognition Received](#)

1998: Excellence in Education Award, Indiana State University, Terre Haute, IN
2000-2001: CIES Fulbright Scholarship to Norway
2001: Academie de Toulouse, Universite Paul Sabatier, Toulouse, France: Visiting Professorship
2005: "A synopsis of events related to the assembly of East Gondwana" was noted by ISI referencing service as a "highly cited paper" in Tectonophysics.
2008: Named Allan R. and Margaret G. Crow Term Professor at University of Florida
2010: Named Fellow Geological Society of America
2014-2016: University of Florida Research Foundation Professor
2016: Best Reviewer Award from Geoscience Frontiers Journal
2017: Named University Term Professor, University of Florida.
2024-2025 Fulbright-Nehru Scholar India

[University Service \(selected, complete available upon request\)](#)

1994-1995: Academic Affairs Committee Member (Indiana State University)
1997-2000: Lilly Program Enhancing the First-Year Experience (Indiana State University)
1999-2001: Teacher Education Committee (Indiana State University)
1997-2000: General Education Council, Member (Indiana State University)
1998-2000: Senator, Faculty Senate (Indiana State University)
2016-2017: Faculty Mentor, UF Honors Program (University of Florida)
2016-2017: Faculty Mentor, UF Honors Program (University of Florida)
2023-present: Member, Deans Committee on Professional Communication (UF)

Departmental Service (University of Florida Only)

2003-present: Executive Committee

2003-present: Undergraduate Coordinator

2004-present: Undergraduate Curriculum Committee Chair

2002-present: Served on 7 faculty search committees

2004-present: Undergraduate Field Camp Director

Courses Taught

GLY2100: Historical Geology (University of Florida)

GLY2010: Introductory Physical Geology (University of Florida)

SLS1102: First Year Florida, Fall 2002. (University of Florida)

GLY1000: Introduction to Geology (University of Florida)

GLY4750: Introduction to Field Methods (U. Florida)

GLY4790: Field Camp (U. Florida held in Taos New Mexico)

GLY5455: Introduction to Geophysics (U. Florida)

GLY5930: Introduction to Petroleum Geology (U. Florida)

GLY5930: Geomagnetism, Paleomagnetism and Environmental Magnetism (U. Florida)

GLY5930: Global Tectonics (U. Florida)

GLY4930: Seminar (U. Florida)

GLY4930: Career and Graduate School Preparation (U. Florida)

Science 101: How to think about Weird Things (Indiana State University)

Structural Geology and Lab (Indiana State University)

Computer Methods in Geology (Indiana State University, Course Developed 1996)

Precambrian Tectonics (University of Florida & Indiana State University, Course Developed 1999)

Hydrogeology (Indiana State University)

Introduction to Geophysics (Indiana State University)

University 101: College Survival Skills for Freshmen (Indiana State University)

Introduction to Earth & Sky (Indiana State University)

Mini Course in Plate Reconstruction (Universite Paul Sabatier, Toulouse, France & University of Lund)

Publications (*denotes Student Author; Number of citations in parentheses; (Google Scholar))

Current Google Scholar Stats: H-index=62, I-index=129, 16,752 citations

(2025)

(2024)

175. Bristol, K.E.*, Sprain, C.J., Meert, J.G., Pandit, M.K., Sinha, A.K., Dann, A.B.*, New absolute paleointensity estimates from mafic dykes of Precambrian India, *Geophysical Journal International*, in review.
174. Xiong, F., Meert, J.G., Xu, X., Tian, Q., Ma, X., Mg and Fe isotopes in peridotite and chromitite from the Bulqiza ophiolite, Albania: Implications for mantle convection genesis of ophiolite, *Chemical Geology*, in review.

173. Ma, X., Zhao, Z., Li, H., Cao, W., Meert, J.G., Qiu, L., Li, W., Peng, X., Transition from magmatic to high-temperature solid-state deformation of the early Eocene Nymo intrusive complex in Gangdese batholith: Implications for the Indo-Asian collision, *Lithos*, in review.
172. Wang, P., Yi, Z., Meert, J.G., Liu, Y., Yang, S., Wang, F., Li, Z., Huang, B., A snapshot of rapid plate shift in North China at ~155 Ma demonstrates monster true polar wander initiated in the middle Jurassic, *Geochemistry, Geophysics, Geosystems*, doi:10.1029/2024.GC011671.
171. Ma, X., Meert, J.G., Cao, W., Tian, Z., Liu, D., Xiong, F., Mantle driven early Eocene magmatic flare-up of the Gangdese arc, Tibet: A case study on the Nymo intrusive complex, *Acta Geologica Sinica*, 98, 878-903.
170. Meert, J.G., Miller, S.R.*, Pivarunas, A.*, Pandit, M.K., Mueller, P.A., Sinha, A.K., Kamenov, G.D., Kwafo, S.*, Singha, A.*, Paleomagnetism and geochronology of the Gwalior sills, Bundelkhand craton, northern Indian block: New constraints on greater India assembly, *Gondwana Research*, 125, 29-48.
169. Miller, S.R.*, Banks, C.*, Mueller, P.A., Meert, J.G., Pandit, M.K., Kamenov, G.D., Sinha, A.K., Refining the 3.5-2.8 Ga evolution of the Singhbhum craton, eastern India: geochronologic and geochemical evolution through U-Pb, Lu-Hf, Sm-Nd and Pb-Pb isotope characteristics of TTG and granites, *Precambrian Research*, in prep.
168. Meert, J.G., Pivarunas, A.*, Katusin, K.D.*, Miller, S.*, Pandit, M.K., Sinha, A.K., Two Decades of Indian Precambrian Paleomagnetism and New Results from the Lower Vindhyan Supergroup: Assembly of Peninsular India and its Role in Precambrian Supercontinents, *Tectonophysics*, in prep, invited paper.
167. Zhao, Z-R., Zhang, Y., Meert, J.G., Ma, X-X., Pan, J-W., Lu, H.J., Liu, D-L., Li, Ch-R., Li, H-R., Temporal constraints on pulsed fault motion in the Eastern Tibetan Plateau, *Tectonics*, revisions submitted.
166. Hao, J., Zhang, S., Wang, C., Wu, H., Meert, J.G., Li, H., Yu, Z., Sun, X., Provenance and tectonic evolution of the forearc basin along the northwest margin of the Central Qilian belt, NE Tibet, *Geosphere*, doi:10.1130/GES02735.18.

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165. Miller, S.R.*, Meert, J.G., Pivarunas, A.F.*, Sinha, A.K., Pandit, M.K., The drift history of the Dharwar craton from 2.37-1.01 Ga with refinements for an initial Rodinia configuration, *Geoscience Frontiers*, doi:10.1016/j.gsf.2023.101581.
164. Raghuvanshi, S., Chalapathi-Rao, N.V., Talukdar, D., Belyatsky, B., Prabhat, P., Rahaman, W., Lehmann, B., Meert, J.G., Petrology, U-Pb titanite dating and Sr-Nd isotope geochemistry of a shoshonitic lamprophyre near the Western Dharwar Craton-Southern Granulite Terrane contact, southern India: implications for long-lived enriched mantle, widespread Tonian-Cryogenian rifting, and Rodinia configuration. *Precambrian Research*, 399, doi:10.1016/j.precamres.2023.107241.
163. Meert, J.G., Pandit, M.K., Kwafo, S.*, Singha, A.*, Stinging News: 'Dickinsonia' discovered in the Upper Vindhyan not worth the buzz, *Gondwana Research*, 117, 1-7.
162. Kwafo, S.*, Singha, A.*, Pandit, M.K., Meert, J.G., Reply to the comment by Retallack et al. (2023) on "Stinging News: Dickinsonia discovered in the Upper Vindhyan of India not worth the buzz", *Gondwana Research*, 118, 160-162.

161. Golovanova, I., Danukalov, K., Sal'manova, R., Levashova, N., Parfiriev, N., Sergeeva, N.D., Meert, J.G., Magnetic field hyperactivity during the Early Neoproterozoic: A paleomagnetic and cyclostratigraphic study of the Katav Formation, southern Urals, Russia, *Geoscience Frontiers*, 14, doi:10.1016/j.gsf.2023.101558.
160. Yi, Z., Liu, Y., Meert, J.G., Wang, T., Huang, B., A new view of an old supercontinent: East Asian blocks in Pangea, *Earth and Planetary Science Letters*, 611, doi:10.1016/j.epsl.2023.118143.
159. Domeier, M., Robert, B., Meert, J.G., Kulakov, E., McCausland, P.J.A., Trindade, R.I.F., Torsvik, T.H., The enduring Ediacaran enigma, *Earth Science Reviews*, 242. doi:10.1016/j.earscirev.2023.104444.
158. Ma, X., Weinberg, R., Meert, J.G., Cao, W., Tuan, Z., Li, H., Mantle control on early Eocene magmatic flare-up in the Gangdese batholith, southern Tibet, *Geoscience Frontiers*, in review.
157. Li, X., Wang, C., Wu, M-Y., Zhang, J-H, Zho, X-H., Meert, J.G., Sun, X-K, Li, H., Hao, J-B., Yu, Z-P, Crystal accumulation induced Sr/Y variations: insights from a rear-arc pluton in western central Qilian Belt, NW China, *Journal of Asian Earth Sciences*, doi:10.1016/j.seaes.2023.105806
156. Wang, C., Jing, X-Q., Meert, J.G., Neoproterozoic reorganization of the circum-Mozambique orogens and growth of mega-continent Gondwana, *Nature: Communications Earth and Environment*, 4, doi:10.1038/s43247-023-0083-6.
155. Yi, Z., Yang, S., Meert, J.G., Ma, X., Paleomagnetism of Late Cretaceous dykes in the Gangdese Belt: New constraints on the position and structure of the southern margin of Asia prior to the India-Asia collision, *China Geology*, 6, 269-284.
154. Hao, J., Wang, C., Zhang, S., Liu, L., Ji, W., Meert, J.G., Li, H., Yu, Z., Sun, X., Ma, D., Gai, Y., Grenvillian evolution of the Qaidam Block and its position in Rodinia constrained by U-Pb-Hf composition of detrital zircons from the Altyn-Tagh, northern Tibet, *Gondwana Research*, 122, 60-73.

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153. Meert, J.G., Pandit, M.K., Kwafo, S.*, Singha, A*, Stinging News: 'Dickinsonia' discovered in the Upper Vindhyan of India not worth the buzz, *EarthArXiv*, doi:10.31223/X5HQ09 (not peer reviewed).
152. Pandit, M.K., Pivarunas, A.F.*, Meert, J.G., Geochemical and paleomagnetic characteristics of Vestfold Hills mafic dykes in Prydz Bay region: Implications on the Paleoproterozoic connection between East Antarctica and proto-India, *Geological Society of London Special Publications*, 518, 149-171.
151. Meert, J.G. and Santosh, M., The Columbia Supercontinent: Retrospective, status, and a statistical analysis of paleomagnetic poles used in reconstructions, *Gondwana Research*, 110, 143-164.
150. Li, H., Wang, C., Hames, W., Hao, J., Meert, J.G., Yu, Z., Zhang, S., Sun, X., Ma, D., Li, X., Grenville-age basement and early Paleozoic reworking in the Qilian Orogen, NW China: Implications for paleotectonic reconstruction of Rodinia and Gondwana, *Journal of Asian Earth Sciences*, 237, doi:10.1016/j.jaes.2022.105351.
149. Hao, J., Wang, C., Liu, L., Wu, H., Kang, L., Gai, Y., Cao, Y., Meert, J.G., Ma, D., Li, H., Yu, Z., Sun, X., Zhang, S., Reappraisal of the petrogenetic processes of Neoproterozoic

- granitoids in the Altyn Tagh, NW China: Implications for reconstruction of the Qaidam Block in Rodinia, *Precambrian Research*, 379, doi:10.1016/j.precamres.2022.106782
148. Mansour, S., Hasebe, N., Meert, J.G., Tamura, A., Kalaf, F.I., El-Shafei, M.K., Evolution of the Arabian-Nubian Shield in the Gabal Samra area, Sinai: Implications from zircon U-Pb geochronology, *Journal of African Earth Sciences*, 192, doi:10.1016/j.jafrearsci.2022.104538.
- (2021)
147. Evans, D.A.D., Pesonen, L.J., Eglinton, B.M., Elming, S-A., Gong, Z., Li, Z-X., McCausland, P.J., Meert, J.G., Mertanen, S., Pisarevsky, S.A., Pivarunas, A.F.*, Salminen, J.M., Swanson-Hysell, N., Torsvik, T.H., Trindade, R.I.F., Veikolainen, T. Zhong, S., An expanding list of reliable paleomagnetic data for Precambrian tectonic reconstructions, in: Pesonen et al.(eds) *Ancient Supercontinents and the Paleogeography of the Earth*, Elsevier, ISBN: 978-0-12-818533-9.
146. Xu, H., Meert, J.G., Pandit, M.K., Age of the Marwar Supergroup, NW India: A note on the U-Pb geochronology of Jodhpur Group felsic volcanics, *Geoscience Frontiers*, 13, doi:10.106/j.gsf.2021.101287.
145. Zhang, D., Huang, B., Meert, J.G., Zhao, G., Zhao, J., Zhao, Q., Microblocks in NE Asia amalgamated into unified Amuria block by 300 Ma: first paleomagnetic evidence from the Songliao Block, NE China, *Journal of Geophysical Research*, doi10.1029/2021JB022581.
144. Ma, X., Xu, Z., Meert, J.G., Tian, Z., Early Eocene high-flux magmatism and concurrent high temperature metamorphism in the Gangdese Belt (southern Tibet), *Bulletin of the Geological Society of America*, 133, 1194-1216.
143. Cai, Z., He, B., Meert, J.G., Ma, X., Jia, C., Liu, R., Chen, X., Yun, X., Neoproterozoic tectonic transition from subduction-related convergence to continental extension of the Tarim block, NW China, *Precambrian Research*, doi:10.1016/j.precamres.2021.106278.
142. Yi Z., Wang, T., Meert, J.G., Liu, Y., An initial collision of India and Asia in the equatorial humid belt, *Geophysical Research Letters*, 48, doi:10.1029/2021GL093408.
141. Meert, J.G., Pivarunas, A.K.*, Miller, S.R.*, Pandit, M.K., Sinha, A.K., The Precambrian drift history and paleogeography of India, in: Pesonen et al.(eds) *Ancient Supercontinent and the Paleogeography of the Earth*, Elsevier, ISBN: 978-0-12-818533-9.
140. Pivarunas, A.F.*, Meert, J.G., Katusin, K.*, Pandit, M.K., Sinha, A.K., Miller, S.R., Craver, A.*, Roderus, K*. Paleomagnetic results from the Singhbhum craton, India: Remagnetization, demagnetization and complication, *Precambrian Research*, doi:10.1016/j.precamres.2021.106165.
139. He, B., Jiao, C. Cai, Z., Liu, R., Meert, J.G., Yun, X., Wang, T., Chen, W., Yu, Z., Li, J., Peng, S., Guo, X., Qiao, X., Soft-sediment deformation structures (SSDS) in the Ediacaran and Lower Cambrian succession of the Aksu area, NW Tarim Basin and their implications, *Palaeogeography, Palaeontology and Palaeoecology*, doi:10.1016/j.palaeo.2021.110237.

138. Levashova, N.M., Golovanova, I.V., Rudko, I.V., Danukalov, K.N., Rudko, S.V., Yu, S.R., Meert, J.G., Late Ediacaran magnetic field hyperactivity: Quantifying the reversal frequency in the Zigan Fm, southern Urals, Russia, *Gondwana Research*, 94, 133-142.
137. Xu, H., Meert, J.G., Pandit, M.K., A short note on the age of the Marwar Supergroup, NW India, *Earth ArXiv*, doi:10.31223/X5V61M. (not peer-reviewed)

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136. Hao, J., Wang, C., Zhang, J., Liu, L., Gai, Y., Li, H., Yu, Z., Meert, J.G., Long, X., Sun, X., Zhang, S., Episodic Neoproterozoic extension related magmatism in the Altyn-Tagh, NW China: implications for extension and breakup processes of Rodinia supercontinent, *International Geology Review*, 64, 1474-1489.
135. Wu, G., Yang, S., Meert, J.G., Xiao, Y., Chen, Y., Wang, Z., Li, X., Huang, S., Two phases of Paleoproterozoic orogenesis in the Tarim craton: Implications for Columbia assembly, *Gondwana Research*, 83, 201-216.
134. Wang, C., Zhao, G., Zhu, X., Hao, J., Li, H., Meert, J.G., Ma, T., Long, X., Intraoceanic back-arc magma diversity: insights from a relic of the Proto-Tethys oceanic lithosphere in the western Qilian Orogen, NW China, *Chemical Geology*, 550, doi:10.1016/j.chemgeo.2020.119756
133. Meert, J.G., Pivarunas, A.F.*, Miller, S.R.*, Evans, D.A.D., Pisarevsky, S., Pesonen, L., Elming, S.A., Li, Z.X., Zhang, S., Paleomagnetic Reliability: The Van der Voo (1990) Quality Scale Revisited, *Tectonophysics*, doi:10.1016/tecto.2020.228549.
132. Pivarunas, A.F.* and Meert, J.G., Paleomagnetism and the stability of the Dharwar craton, *Precambrian Research*, doi:10.1016/j.precamres.2020.105858.
131. Yi, Z. and Meert, J.G., A closure of the Mongol-Okhotsk ocean by the Middle Jurassic: Reconciliation of paleomagnetic and geological evidence, *Geophysical Research Letters*, doi.org/10.1029/2020GL088235.

(2019)

130. Pivarunas, A.* and Meert, J.G., Protracted magmatism and magnetization around the McClure Mountain alkaline igneous complex, *Lithosphere*, 11, 590-602.
129. Miller, S.R.*, Mueller, P.A., Meert, J.G., Kamenov, G.D., Pivarunas, A.F.*, Sinha, A.K., Pandit, M.K., 2019. Detrital zircons reveal evidence of Hadean crust in the Singhbhum craton, India: A Reply, *Journal of Geology*, 127, 387-392.
128. Pivarunas, A.*, Meert, J.G., Pandit, M.K., Sinha, A., Paleomagnetism and geochronology of mafic dykes from the Southern Granulite terrain, India: expanding the Dharwar craton southward, *Tectonophysics*, 760, 4-22.
127. Ma, X., Meert, J.G., Xu, Z., Zhao, Z., The Jurassic Yeba Formation in the Gangdese arc of S. Tibet: Implications for upper plate extension in the Lhasa terrane, *International Geology Review*, 61, 481-503.
126. Li, M., Wang, C., Li, R., Meert, J.G., Peng, Y., Zhang, J., Chen, S. Identifying late Neoproterozoic-early Paleozoic sediments in the South Qilian Belt, China: a peri-Gondwana connection in the northern Tibetan Plateau, *Gondwana Research*, 76, 173-184.

125. Yi, Z., Liu, Y. and Meert, J.G., A true polar wander trigger for the Great east Asian aridification, *Geology*, 47, 1112-1116.
124. Choudhary, B.R., Ernst, R.E., Xu, Y-G., Evans, D.A.D., de Kock, M., Meert, J.G., Ruiz, C.A., Geochemistry of a reconstructed 1110 Ma Large Igneous Province, *Precambrian Research*, 332, paper 105382.

(2018)

123. Mellot, A.L., Pivarunas, A.*, Meert, J.G., Lieberman, B.S., Does the planetary dynamo go cycling on? Re-examining the evidence for cycles in magnetic reversal rate, *International Journal of Astrobiology*, 17, 44-50.
122. Ma, X., Meert, J.G., Xu, Z., Yi, Z., Late Triassic intra-oceanic arc system within Neotethys: evidence from cumulate appinite in Gangdese Belt, southern Tibet *Lithosphere*, 10, 545-565.
121. Miller, S.R.*, Mueller, P.A., Meert, J.G., Kamenov, G.D., Pivarunas, A.F.*, Sinha, A.K., Detrital zircons reveal evidence of Hadean crust in the Singhbhum craton, India. *Journal of Geology*, 126, 541-552.
120. Mikolaichuk, A.V., Bazhenov, M.L., Rasskazov, S.V., Meert, J.G., Gordeev, D.V., Chuvashova, I.S., Yasnygina, T.A., Aral volcanic syncline of the Kyrgyz Range: the age and geodynamic setting. In: *Problems of Geodynamics and Geoecology of Intracontinental Orogens VII International Symposium Bishkek, Kryrgyz Republic*, 25-35.
119. Zhang, D., Huang, B.C., Meert, J.G., Zhang, Y., Liang, Y.L., Bai, Q.H., Zhou, T.H., Permian paleogeography of the eastern CAOB: paleomagnetic constraints from volcanic rocks in central-eastern Inner Mongolia, NE China, *Journal of Geophysical Research*, 123, 2559-2582.

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118. Meert, J.G. and Santosh, M., The Columbia Supercontinent, A 15-year retrospective, *Gondwana Research*, 50, 67-83.
117. Meert, J.G., Santosh, M., Kwon, S., Gondwana Research Golden Jubilee special issue: Introduction, *Gondwana Research*, 50, 1-2.
116. Ma, X., Xu, Z., Meert, J.G., Syn-convergent extension in the Lhasa terrane: evidence from late Cretaceous adakitic granodiorite and coeval gabbroic-dioritic dykes, *Journal of Geodynamics*, 110, 12-30.
115. Ma, X., Meert, J.G., Xu, Z., Yi, Z. Early Jurassic intraoceanic arc system within the Neotethys: constraints from andesites in the Gangdese magmatic belt, south Tibet, *Island Arc*, doi10.1111/iar12202.
114. Ma, X., Meert, J.G., Xu, Z., Zhao, Z., 2017. Evidence of magma mixing identified in the Early Eocene Caina pluton from the Gangdese Batholith, southern Tibet, *Lithos*, 278-281, 126-139.
113. Meert, J.G., Pandit, M.K., Pivarunas, A.*, Katusin, K.*, India and Antarctica in the Precambrian: A brief analysis, *Geological Society of London Special Publication #457*, 339-352.

112. Ma, X., Xu, Z., Chen, X., Meert, J.G., He, Z., Liang, F., Meng, Y., Ma, S., The origin and tectonic significance of the volcanic rocks of the Yeba Formation in the Gangdese magmatic belt, South Tibet, *Journal of Earth Sciences*, 28, 265-282.

(2016)

111. Ma, X., Xu, Z. and Meert, J.G., Eocene slab breakoff of Neotethys as suggested by dioritic dykes in the Gangdese magmatic belt, southern Tibet, *Lithos*, 248-251, 55-65 (0,0,0).
110. Meert, J.G., Bazhenov, M.L., Levashova, N.M., Landing E., Rapid changes in magnetic field polarity during the Late Ediacaran: Linking the Cambrian Evolutionary Radiation and increased UV-B radiation, *Gondwana Research*, 34, 149-157.
109. Bazhenov, M.L., Levashova, N.M., Meert, J.G., Golovanova, I.V., Danukalov, K.N., Federova, N.M., Late Ediacaran magnetostratigraphy of Baltica: Evidence for magnetic field hyperactivity? *Earth and Planetary Science Letters*, 435, 124-135.
108. Meert, J.G., Van der Voo, R. and Patel, J., A Neoproterozoic paleomagnetic pole from the Kisii lavas of western Kenya: Implications for crustal mobility, *Precambrian Research*, 279, 91-102.
107. Bazhenov, M., Van der Voo, R., Menzo, Z., Dominguez, A., Meert, J.G., Levashova, N.M., Paleomagnetism and dating of a thick lava pile in the Bokaly Formation of eastern Kazakhstan: implications for paleosecular variation during the Permo-Carboniferous superchron, *Physics of the Earth and Planetary Interiors*, 253, 5-20.
106. Bazhenov, M.L., Federova, N.M., Kuznetsov, N.B., Meert, J.G., Ediacaran-Cambrian paleogeography of Baltica: A paleomagnetic view from a diamond pit in the White Sea Coast, *Lithosphere*, doi:10.1130/L539.1.
105. Bazhenov, M.L., Kozlovsky, A.M., Yarmolyuk, V.V., Federova, N.M. and Meert, J.G., Late Paleozoic paleomagnetism of South Mongolia: Exploring the relationship between Siberia, Mongolia and North China, *Gondwana Research*, 40, 121-141.
104. Bazhenov, M.L., Levashova, N.M., Meert, J.G., How well do Precambrian paleomagnetic data from Baltica agree with the Phanerozoic apparent polar wander path? A systematic comparison, *Precambrian Research*, 285, 80-90.

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103. Shu, L., Ma, X. and Meert, J.G., Early Permian slab breakoff in the Central Tianshan belt inferred from the post-collisional granitoids, *Gondwana Research*, 27, 228-243.
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104. Meert, J.G., 1999. A tale of two supercontinents, EUG-10 Abstracts v4:1, p. 120.
105. Meert, J.G., Pullen, C. and Nedelec, A., 1998. Preliminary paleomagnetic results from 630 Ma and 556 Ma intrusive rocks from Madagascar, EOS AGU Annual Fall Meeting Abstracts.
106. Pullen, C. and Meert, J.G., 1998. Preliminary paleomagnetic results from 780-800 Ma intrusive rocks in Madagascar, EOS AGU Annual Fall Meeting Abstracts.
107. Merino, E., Riegsecker, S., Meert, J.G., Pullen, C., Pruett, F., 1998. Petrography, paleomagnetism and origin of terra rossa soils at Bloomington, Indiana, GSA Abstracts w/Program 30.
108. Torsvik, T.H., Meert, J.G. and Eide, E.A., Paleozoic TPW or continental drift? 1997. EOS AGU Annual Fall meeting abstracts, v. 78, 1997.
109. Meert, J.G., Torsvik, T.H., Eide, E.A. and Nedelec, A., 1997. A paleomagnetic review of Gondwana assembly including preliminary paleomagnetic results from Madagascar, Proc. UNESCO-IUGS-IGCP 348/368 International workshop on the Proterozoic geology of Madagascar, p. 52.
110. Torsvik, T.H., Eide, E.A., Meert, J.G., Walderhaug, H. and Sturt, B.A., 1997. Unsolved mysteries of Rodinia: A northern view, IAGA Abstract Volume, 1997.

111. Meert, J.G., 1997. Unsolved mysteries of Rodinia: A southern view, IAGA Abstract volume.
112. Meert, J.G., Unterreiner, G., Barkovsky, D., Nasser, M., Cogswell, J., Null, J. and Miller, M., 1997. Age progression of collisional events between eastern Africa and the elements of East Gondwana, EUG 9 Abstract Terra Nova 9, p. 165.
113. Meert, J.G., Torsvik, T.H. and Eide, E.A., 1996. Paleomagnetic Investigation of the Neoproterozoic Fen Carbonatite complex, S. Norway: Constraints on Neoproterozoic rifting between Laurentia and Baltica, GSA 1996 Annual Meeting Abstracts, 28:7, p. A-494.
114. Weil, A.B., Van-der-Voo, R.; Mac-Niocaill, C., Meert, J.G., 1996. The Proterozoic supercontinent Rodinia; a paleomagnetic look at 1,100 Ma to 800 Ma continental reconstructions, Eos, Transactions, American Geophysical Union.77; 17, Suppl., Pages 86-87.
115. Meert, J.G., Torsvik, T.H. and Eide, E.A., 1996. Something's Fishy in the Fish River, EOS, v. 77.
116. Meert, J.G. and Van der Voo, R., 1995. The Making of Gondwana 800-550 Ma, GSA Annual Meeting Abstracts, 27:6, p. A339.
117. Meert, J.G. and Torsvik, T.H., 1995. Superplumes and the breakup of Rodinia, EOS, v. 76:46, F588.
118. Torsvik, T.H. and Meert, J.G., 1995. Superchrons and Supercontinents, EOS, v. 76:46, F172.
119. Torsvik, T.H. and Meert, J.G., 1995. Baltica and Laurentia: Two continents, two supercontinents and a whole lot of tectonics 750-425 Ma, invited abstract, GSA SE Abstracts w/Prog., v27:2, p. 93.
120. Meert, J.G., 1995. The formation and breakup of a late Proterozoic supercontinent: A critical need for integrated paleomagnetic and geochronologic studies, invited KEYNOTE abstract, Geological Association of Canada; Mineralogical Association of Canada; Canadian Geophysical Union, Joint Annual Meeting. 20; Pages 69.
121. Van der Voo, R. and Meert, J.G., 1995. Paleomagnetic constraints on the breakup of Rodinia and the assembly of Gondwana, invited abstract, GSA Southeastern Meeting, v:27:2, p. 93.
122. Van der Voo, R. and Meert, J.G., 1994. The latest Precambrian-Early Cambrian: final breakup of Rodinia elements and the assembly of Gondwana, EOS, 75:44, p. 200.
123. Meert, J.G., 1994. IMSLAK: A new terrane recognized within East Gondwana? GSA Annual Meeting Abstracts, 26, p. A-340.
124. Van der Voo, R. and Meert, J.G., 1994. True polar wander and/or fast rates of plate motion in the Paleozoic, EOS, 75:16, p. 64.
125. Meert, J.G., Uranga, C., Van der Voo, R., Ayub, S. and Munyua, R., 1994. Middle and Late Proterozoic paleomagnetic results from the Congo craton, East Africa, EOS, 75:16, p. 128.
126. Meert, J.G., 1993. Rapid plate motion in the Late Proterozoic, EOS, 74:43, p. 212.
127. Meert, J.G. and Van der Voo, R., 1993. The Neoproterozoic [1000-540 Ma] glacial intervals: No more snowball Earth? GSA Annual Meeting Abstracts, 25, p. A- 299.
128. Meert, J. and Van der Voo, R., 1993. Multiple remagnetizations in igneous rocks: Evidence for early Paleozoic tectonic events in the Appalachians? EOS, 74:16, p. 114.

129. Meert, J. and Van der Voo, R., 1992. Evidence for a high paleolatitude of North America in the latest Precambrian and rapid drift during the Cambrian, EOS, 73:43, p. 150.
130. Meert, J., Hargraves, R. and Van der Voo, R., 1992. A paleomagnetic investigation of the Late Kibaran (1150 Ma) magmatic episode in Burundi, East Africa, EOS, 73, p. 93.
131. Patel, J.P., Meert, J. and Van der Voo, R., 1991. Paleomagnetic investigation of the Archean age Nyanzian System in western Kenya, EOS, 72, p. 99.
132. Meert, J. and Van der Voo, R., 1991. Paleomagnetic investigation of the Catoctin volcanic province, Virginia, EOS, 72, p. 106.
133. Meert, J., Van der Voo, R. Nyblade, A. and Patel, J.P., 1990. Paleomagnetic investigation of the Precambrian in Kenya, EOS, 71, p. 487.
134. Van der Voo, R. and Meert, J. 1989. Late Proterozoic paleomagnetism and tectonic models: A critical appraisal, EGS Abstracts Volume, p. 43.
135. Meert, J. Van der Voo, R. and Patel, J., 1989. Paleomagnetic investigation of the Kisii lavas, EOS, 70, p. 319,
136. Meert, J. and Smith, D.L., 1988. Temperature measurements and heat flow at the Platanares, Honduras geothermal site, EOS, 69, p. 1451.
137. Meert, J., Fishkin, L., and Smith, D.L., 1988. Ozark Plateau heat flow: Relationship to groundwater flow, GSA Annual Meeting Abstracts, 20:7, p. 525.
138. Meert, J., Smith, D.L. and Fishkin, L., 1988. Heat flow in the Ozark Plateau, Arkansas and Missouri, EOS, 69, p. 605.

Symposia, Seminars, Keynote Addresses & Mini Courses (Invited)

1. Goldschmidt Conference (invited): *"India and Adjacent blocks in the Tonian: East Central Gondwana"*, Chicago, August 2024.
2. IAGR 2024 (invited keynote): *"The Paradox that is the Vindhyan Basin: Why is it so Important and Vexing?"*, Sarawak, Malaysia, November 2024.
3. IAGR 2023 (invited keynote); *"India and South China in the Tonian: New connections and true polar wander"*, Niigata, Japan, October 2023.
4. CEED Conference Oslo, Norway November 2022 (keynote): *"Supercontinents"*
5. MagnetZ Seminar November 2022 (invited): *"How well do we really know the Makeup of Proterozoic Supercontinents"*.
6. IAGR 2022 Qingdao Conference (Keynote): *"Quantitative Assessment of Supercontinent Reconstructions"*
7. *Precambrian Supercontinents: What we know and what we think we know*, IAGR 2021 Conference, Qingdao, China, Keynote Address, September 2021.
8. *The Precambrian paleomagnetic record of India*, 36th International Geological Congress, Delhi, India: Keynote Address. March 2020.
9. *Invited Van der Voo Lecture: Paleo/Geomagnetism and Geobiology: Case Studies from the Ediacaran and Jurassic*, University of Michigan, Ann Arbor, MI, January 2020.
10. *India in three supercontinents, Columbia, Rodinia and Pannotia*, IAGR 2019 Conference Keynote Address, Kochi, Japan, November 2019.
11. *The Great Jurassic Aridification of East Asia* invited seminar Utrecht University, Amsterdam, Netherlands, February 2019.
12. *Indian Paleomagnetism: A 15-year retrospective*, University of Texas-Dallas, November 2017.

13. *Darwin's Dilemma: New discoveries from the Ediacaran-Cambrian*, UF Humanist Society Darwin Day Celebration, February 2017.
14. *Rapid Changes in the Earth's magnetic field polarity in the Late Ediacaran: Environmental effects and the Cambrian radiation*, Southern Methodist University, September 2016.
15. *Cycles/Trends in the Earth's Geodynamo*, Southern Methodist University, September 2016.
16. *Rapid Changes in the Earth's magnetic field as a trigger for biological innovation and extinction*, University of Florida Museum of Natural History Seminar, Feb 2016, Gainesville Florida.
17. *Rapid Changes in the Earth's magnetic field as a trigger for biological innovation and extinction*, University of Florida Physics Colloquium, October 2015, Gainesville, FL.
18. *Biological, Geophysical, and tectonic transitions during the assembly of Gondwana*, IAGR 2015 Tsukuba, Japan (invited), October 2015.
19. *Elements of Paleomagnetism*, Dharandihar College, Keonjhar, India (December 2014)
20. *Rapid changes in the magnetic field polarity during the Late Ediacaran: Trigger for the substrate revolution and the demise of the Ediacaran fauna*, 60th Annual Seward Lecture, Birbal Sahni Institute of Paleobotany, Lucknow, India, November 2014 (invited).
21. *The Influence of the Earth's magnetic field on biological revolutions and extinctions*, University of Rajasthan, India, November 2014 (invited).
22. *Elements of Paleomagnetism and uses in paleobiology*, Birbal Sahni Institute of Paleobotany, Lucknow, India, November 2014 (invited).
23. *Rapid Reversals in the Ediacaran*, BEPIS Conference, Beijing, China, July 2013.
24. *The Paleogeography of Evolution*, Darwin Day Lecture, Broward College, Miami, Florida, February 2012.
25. *India's Changing Place in global reconstructions*, Department of Geology, Michigan Technological University, September 2011.
26. *Paleomagnetism, geochronology, glaciations, and Ediacaran(?) organisms from the Lesser Karatau microcontinent, Kazakhstan*, Department Geological Sciences, University of Florida, November 2009.
27. *India's Place in Precambrian plate reconstructions* invited talk 6th Nordic Paleomagnetic workshop, Lulea Sweden, September 2009.
28. *Shell NTP New Mexico Field trip and minicourse*, Taos, New Mexico, August 2009.
29. *Evidence for Evolution*, Café Scientifique Gainesville, Florida, September 2008.
30. *Geochronology and paleomagnetism of the Dzabkhan volcanic sequence, Gobi Altai region, Mongolia*, Mongolian Institute for Geology and Mineral Resources, Ulaan Bataar Mongolia, September 2007.
31. *The creation evolution battle: An inside look*. Atheist, Agnostic and Free-thinking Society, Gainesville, FL. November 2006.
32. *The Snowball Earth*, Florida Association of Science Teachers Annual Meeting, Gainesville, FL October 2006.
33. *Adventures in Deep Time*, Café Scientifique, Gainesville, Fl, February 2006.
34. *A history of supercontinents*, Mongolian Academy of Sciences, Ulaan Bataar, Mongolia, September 2005.
35. *State of the Snowball: A 2005 Update*, University of Florida, February 2005.

36. *A history of supercontinents*, GSA Penrose Conference, St. George Utah, October 2004.
37. *Preliminary paleomagnetic results from the Arbuckle Dolerites*, 5th Nordic Paleomagnetic Workshop, Saitia Finland Sept 2004.
38. *Inclination only studies and the dipole field*, 5th Nordic Paleomagnetic Workshop, Saitia Finland Sept 2004 (invited).
39. *Neoproterozoic Plate Tectonics, Models and Speculations*, Florida State University, September 2003.
40. *Non-Dipole Fields and Inclination Bias*, Florida State University, September 2003.
41. *The HOG Hypothesis and other Proterozoic Oddities*, University of Florida, November 2002.
42. *The HOG Hypothesis: Constraining Neoproterozoic plate motions*, Kansas University, March 2002.
43. *Proterozoic Geodynamics*: Trondheim Geology Club, April 2001.
32. *Geodynamics of Supercontinent Assembly and breakup*, Universite Paul Sabatier, Toulouse, France, March 2001.
33. *Paleogeography Mini Course*, Universite de Toulouse, March 2001.
34. *Paleogeography Mini Course*, University of Lund, Sweden, December 2000.
35. *Snowball, Slushball and Oddball Glaciations: The coming and goings of Neoproterozoic Ice Sheets*, Goldschmidt Lecture, Norwegian Geological Survey, Nov 2000.
36. *Meso-Neoproterozoic Paleomagnetic Studies in India, Africa and Madagascar*, 4th Paleomagnetic Workshop, Aarhus, Denmark, 1999.
37. *Paleomagnetism, nuts, and bolts*, invited lecture, Washington University-St. Louis, spring 1998.
38. *True Polar Wander and the Cambrian Explosion*, invited colloquium, University of Missouri, spring 1998.
39. *Supercontinents and the Cambrian 'Explosion'*, invited colloquium, St. Louis University, spring 1998.
40. *Geology, Serendipity, and Life*, invited colloquium, Junior Science and Humanities Program, Indiana State University, spring 1997.
41. *Tectonics and the Geodynamo*, invited colloquium, Department of Physics, Indiana State University, spring 1997.
42. *The making of a continent* invited colloquium, Department of Geological Sciences, University of Illinois, spring 1996.
43. *Assembling a supercontinent, the Gondwana Story*, invited colloquium, Department of Geology, I.U.P.U.I, Spring 1996.
44. *Gondwana 1-2-3*, invited colloquium, Department of Geological Sciences, Indiana University, Fall 1995.
45. *The Assembly of Gondwana*, invited colloquium, Department of Geology, University of Cincinnati, Spring 1995.
46. *Paleomagnetism and Plate tectonics*, invited colloquium, Department of Physics, Indiana State University, 1994.
47. *Late Proterozoic Tectonics*, invited keynote lecture, 3rd Scandinavian Paleomagnetic Workshop, Trondheim, Norway, 1994.
48. *On the formation of Gondwana in the Latest Proterozoic*, invited symposium, University of Texas-Arlington, 1994.

Grants/Contracts Applied/Received

1. National Science Foundation: **India-Yangtze connection in the Tonian: An updated Indian paleomagnetic pole from the Harohalli Alkaline Province and implications for true polar wander**, 12/2024-11/2026, in preparation for submission December 2024. ~\$178,000.
2. National Science Foundation: **Unravelling the History of the Vindhyan Basin and India's Tectonic Evolution**, 11/1/2023-10/31/2026. \$469,872. Role PI, Submission April 10, 2023, declined. (4 excellent, 1 Very good) will resubmit Spring 2025.
3. Fulbright Scholars Program- **The Vindhyan Basin Age Paradox- A multidisciplinary Approach**, Fulbright Nehru Academic Scholarship, in review, Phase 1-approved and recommended to host country 11/2024-12/2025 flex option.
4. National Science Foundation: **Instrument Acquisition: JR6-A Spinner Magnetometer** 01/01/2022, \$78,500, EAR- 22-07720, Meert (PI), co-PI's Hatfield and Sprain.
5. National Science Foundation: **Incredible India: High Resolution Proterozoic Paleogeography Through Integrated Studies of Mafic Dykes**, 3/1/2019-02/28/2021, \$287,227. EAR18-50693 (PI).
6. National Science Foundation: **Building India: Clues from the Singhbhum Craton & Southern India**, 7/15/2014-6/30/2018, \$230,007. EAR13-47942 (PI).
7. National Science Foundation: **Ediacaran Paleomagnetism and geochronology of eastern Baltica: A key to paleogeography and climatic history of the continent**, \$301,950, 7/1/2011-6/30/2014. EAR11-19038 (PI).
8. National Science Foundation: **Further refinement of India's Proterozoic paleogeography and Geochronology**, \$188,090, 7/1/2009-6/30/2012. EAR09-10888.
9. National Science Foundation, **The assembly of East Gondwana: A Proterozoic perspective from India**, \$174,527 (7/2004-6/2007) EAR04-09101 (PI).
10. National Science Foundation, **Paleomagnetism of Neoproterozoic through to Lower Paleozoic rocks on microcontinents of Central Asia: implications for the Precambrian glacial paradox and amalgamation of Eurasia**, \$267,484 EAR05-08597 (7/2005-6/2009). (PI)
11. National Science Foundation, **Purchase of combined Alternating Gradient Magnetometer (AGM) / Vibrating Sample Magnetometer (VSM) system**, \$82,267 EAR04-32883 (July 15, 2005-July 14, 2006). Co-PI with Jim Channell.
12. CNRS France "**Eclipse 2003 Studying ancient climates**, US participant, total award 35000 euros to several institutions.
13. **Invited Professorship: Academie de Toulouse**, Universite Paul Sabatier, Toulouse France, 2001 (40,000 FF).
14. **CIES Fulbright Scholar Program for Norway 2000-2001** (awarded 12/7/1999), 138,000 NoKr.
15. Norwegian Geological Survey (2001) **Paleomagnetic Investigation of the Hedmark Group**, Lillehammer, 25,000 kroner.
14. National Science Foundation, **CNRS-NSF Joint Project on Tectonics and Assembly of Gondwana with special focus on Madagascar**, INT-9815203, \$3000.00, 1999. (PI)

15. National Science Foundation (1998-2000), **International Collaborative project on Proterozoic paleomagnetism, geochronology and tectonic assembly of Madagascar**, \$114,411, EAR98-05306. (PI)
16. Norges Geologiske Undersokelse (1997), **Neoproterozoic studies in Western Norway and Madagascar**, Foreign Collaborator with T.H. Torsvik (NGU), Approximately \$12,000.
17. Norges Geologiske Undersokelse (1995), **The Late Proterozoic Sequences in Southern Norway: A Paleomagnetic and Geochronologic study**. Foreign Collaborator with T.H. Torsvik (NGU). Approximately \$10,000.
18. National Science Foundation (1995-97), **Acquisition of Paleomagnetic Equipment**, \$12,500 [EAR95-21571].
19. Norges Geologiske Undersokelse (1995), **The Proterozoic Sequences in Namibia: A Paleomagnetic and Geochronologic study**. Foreign Collaborator with T.H. Torsvik (NGU). Approximately \$10,000.
20. National Science Foundation (1992-94), **Paleomagnetic Studies in East Africa** (post-doctoral fellow w/R. Van der Voo), \$130,000. EAR92-05815
21. Indiana Department of Environmental Management: **Assessing groundwater intake systems in south-central Indiana**. Co-investigator with Dr. Susan Berta and Dr. Sandra Brake, \$50,000.
22. Ph.D. Awards from Geological Society of America Student Funding, Sigma Xi student funding, Scott Turner Fund at the University of Michigan, Rackham Graduate Student Research Fellowship at the University of Michigan totalling ~\$5000.

Collaborator Roles on Recently Funded Research

1. National Science Foundation: **“Understanding the influence of mantle dynamics on the generation of the Earth’s magnetic field throughout the plate tectonic cycle”**. Role: Collaborator., \$428,655 EAR-CSEDI20-54605, Awarded to Dr’s. Courtney Sprain, Julianne Dannberg and Rene Gasmoller.
2. European Research Council: EPIC Consolidator Grant: **Untangling Ediacaran paleomagnetism to contextualize immense global change**, Role: International Collaborator, awarded to Dr. Mat Domeier, University of Oslo, Norway 2023-2027.

Student/Graduate Student Committees

University of Florida-Gainesville

1. MS Thesis Committee Member: Karl Hopfensperger, *“Florida Basement Structure interpreted using magnetic anomalies”*, awarded 2003.
2. MS Thesis Committee Member: K. Commins, *“Florida Sinkholes: A review and documentation of occurrences and distributions”*, awarded 2004.
3. M.S. Thesis Committee Member, V. Newman, *“Investigation of the history of Exhumation and faulting in the Ruby Mountains Metamorphic Core Complex, Nevada”*, awarded 2007.
4. Ph.D. Thesis Committee Member: Sam Coyner, *“Pb-Pb dating of titanite by ICP-MS and the potential for geo and thermochronology”*, awarded 2012.

5. Ph.D. Thesis Committee Member: Chuang Xuan, awarded 2010.
6. M.S. Thesis Supervisor Shawn Malone, "*Paleomagnetic and geochronologic constraints on the Upper Vindhyan sequence, India*", awarded August 2007.
7. Ph.D. Supervisor Vimal Pradhan, "*Paleomagnetic and geochronologic investigation of Proterozoic dike swarms in India*", August 2011.
8. M.S. Supervisor Laura Gregory, "*Paleomagnetic studies of Neoproterozoic rocks in Indian and Mongolia*", awarded 2008.
9. M.S. Committee Member Brittany Newstead "*The Congo-Kalahari cratonic relationship: From Rodinia to Gondwana*", awarded 2010.
10. M.S. Supervisor Candler Turner, "*Detrital zircon geochronology of the Vindhyan and Marwar Supergroups, India: Keys to the Precambrian history of north-central India*", December 2012.
11. M.S. Supervisor Mercedes Belica, "*Paleomagnetism and Geochronology of mafic dykes in the southern Dharwar craton*", December 2012.
12. M.S. Supervisor Daphne Douglas "*Paleomagnetism of the Konnarock Formation, SW Virginia: Implications for Neoproterozoic glacial epochs*", dropped out.
13. M.B.A. Committee Member Basharat Choudhary, 2015.
14. Ph.D. Committee Member Chong Ma, awarded 2015
15. M.S. Supervisor Karastin Katusin "*Paleomagnetism and geochronology of the Newer Dolerites, Singhbhum craton, India*", awarded summer 2017.
16. Ph.D. Supervisor Anthony Pivarunas, "*Space and Time: Using Paleomagnetism, Geochronology and Numerical Methods to Create and Assess Spatiotemporal Geological Relationships through Earth History*" March 2019.
17. Ph.D. Supervisor Scott Miller, "*Precambrian India from the Hadean to the Proterozoic: Geochemical and paleomagnetic investigation of the Dharwar and Singhbhum cratons*, Fall 2021.
18. Ph.D. Supervisor Ananya Singha, TBA, quit 2024.
19. Ph.D. Committee Member Megan Borel, "*Extensional tectonics and the 3D development of the Pioneer metamorphic core complex, Idaho*, Fall 2022
20. Ph.D. Committee Member Hee Jun Cheong, expected spring 2024.
21. Ph.D. Committee Member, Katie Bristol, expected spring 2025
22. Ph.D. Committee Member, McKenna Holliday, expected spring 2024.
23. Ph.D. Committee Member, Lindsey Monito, expected spring 2026
24. Ph.D. Committee Member, Maddie Brosky, expected spring 2026.
25. Ph.D. Supervisor, Samuel Kwafo, TBA, expected Spring 2026.

Indiana State University (Graduate Theses)

1. M.Sc. Thesis Committee Member: Adil Wadia, "*Chemical weathering of volcanic ash as a probable origin of chert in the Reid's Mistake Formation of the Newcastle coal measures, Sydney Basin, Australia.*" Finished: 1998
2. M.Sc. Thesis Supervisor, Gerald Unterreiner, "*Groundwater Flow Models of two landfill sites near Indianapolis*". Finished 1998.
3. M.Sc. Thesis Committee Member, Dmitri Barkovsky, "*Effect of the direction of the blast on vegetation recovery within the zone of devastation created by the may 18, 1980 eruption of Mt. St. Helen's*". Finished 2000.

4. M.Sc. Thesis Supervisor, Chad Pullen, "*Paleomagnetism and Geochronology of the 700-800 Ma intrusives, Madagascar*". Student Dropped Out
5. M.Sc. Thesis Committee Member, Irene Arango, "*Remediation of Abandoned coal mines by the euglena E. Mutabalis*". Awarded 2002.

University of Florida (Senior Undergraduate Theses)

1. Undergraduate honors thesis co-supervisor (with Ray Russo), Aubreya Adams, *Seismic Attenuation in the Florida Plateau*. Completed Summer 2004.
2. University Scholars Program supervisor for Mason Grower, *Closing Pandora's box: Additional insights on inclination bias using a random walk approach*, completed April 2005.
3. University Scholars Program supervisor for Laura Gregory, *Paleomagnetic and geochronologic studies of the Malani basic dikes*, 2006.
4. Undergraduate Honors thesis supervisor, Jessica Yff, "*Paleomagnetism and geochronology of the Dzabkhan volcanics, Mongolia: Implications for the Sturtian Snowball Earth*, 2006.
5. Undergraduate Honors thesis supervisor, Laura Gregory, *Paleomagnetic investigation of the late-stage Malani mafic dikes*, 2006.
6. Undergraduate Honors thesis supervisor, Joshua K. Davis, *Paleomagnetism of the Marwar Supergroup, Rajasthan, India*, 2012.
7. Undergraduate Honors Thesis supervisor, Erin Conlon, *Paleomagnetism and geochronology of the Chhotti Khatu section, Marwar Supergroup, India.*, 2016.
8. Undergraduate Thesis: Austin Smith, *Paleomagnetism of the Newer Dolerites, Singhbhum craton, India*, 2016.
9. Undergraduate Scholars Program Ashley Dann, *Paleointensity of mafic dykes from the Bundelkhand craton.*, 2022.
10. Emerging Scholars Program: J.J. Ruse, *Using the Bayesian Statistical Framework for Testing Paleomagnetic Reconstructions*, 2023-2024.

Indiana State University (Senior Undergraduate Theses)

1. Undergraduate thesis supervisor, William Stuckey, "*Paleomagnetic Investigation of the St. Francois Mountains igneous province*". Finished 2001, published in *Tectonics*.
2. Undergraduate thesis supervisor, Ginger Korinek, *Anisotropy of Magnetic Susceptibility as a proxy for bedding corrections in massive rhyolite flows*. Finished 2001.
3. Undergraduate thesis supervisor, John Morris, *Crustal structure and station correction for the ISU seismic station*. Finished 2001.

Other Universities

1. Ph.D. External Member, Gerald Unterreiner, "*Chemical, isotopic and hydrogeologic investigations of an agriculturally impacted area, Nottawa Creek watershed, Calhoun County, Michigan*". Western Michigan University, awarded 2002.

2. M.Sc., External Examiner, Shawn Letts, "*The development of aeromagnetic mapping and dyke interpretation methodologies with application to a high-resolution aeromagnetic survey in the Eastern Bushveld Complex*", University of Witwatersrand, Johannesburg South Africa, awarded 2004.
3. Ph.D., External Examiner, Huntly Cutten, "*Development of a GIS/Access database research tool and its use to synthesize the Proterozoic tectonic history of the Mozambique Belt, Eastern Africa*, University of Western Australia, awarded 2005.
4. Ph.D., External Examiner, Eric Font, University of Sao Paulo, "*Paleomagnetisme de Cap Carbonates du craton Amazonian Brazil: Implications pour les glaciations du Neoproterozoique*, awarded 2005.
5. Ph.D., External Examiner, Yengkhom Kesorjit Singh, Indian Institute of Technology, Mumbai, "*Deformation, and tectonic history of Delhi Supergroup of rocks around Uplagarh and Sagna, SW Rajasthan, India*, awarded 2010.
6. Ph.D. External Examiner, Sujit Kumar Pradhan, Pondicherry University India, "*Paleomagnetic and geochronological studies on the basaltic dykes from northeastern part of the southern granulite terrain India: Significance to early Proterozoic continental reconstruction*, awarded 2013.
7. Ph.D. External Member, Xuxuan Ma, "*Evolution of the Tian Shan Ocean*, Nanjing University, China, expected 2014. Visiting Scholar UF 2012-2013.
8. Ph.D. External Member, Xiaobei Zhao, 2015, Peking University, China, Visiting Scholar UF 2013.
9. Ph.D. External Member, Huiru Xu, 2015, Chinese Academy of Sciences, Beijing, China, 2015. Visiting Scholar UF 2013-2014.
10. Ph.D. External Member, Weibo Li, Peking University, China, 2017, Visiting Scholar UF 2014.
11. Ph.D. External Member, Donghai Zhang, Peking University, China, expected 2019, visiting scholar UF 2016-2017.
12. Ph.D. Examining Committee-L.M. Boschman Utrecht University, Amsterdam, February 2019. "*Reconstructing lost continents of the Panthalassa Ocean*.
13. Ph.D. Examining Committee: Pratigya Pathek, Banaras Hindu University, Varanasi, India, "*Petrology, and tectono-metamorphic evolution of amphibolite to granulite facies rocks of the Bundelkhand craton, Jhansi, India*. Dec 2022.
14. M.S. External Reviewer M.S. Maltaji, University of Johannesburg, South Africa, "*The Late Proterozoic evolution of the Cuddapah Basin, India*, August 2022.

Visiting Scholars or Visiting PhD Scholars* (UF Lab)

2005- Natalia Levashova (Geological Institute Moscow)
 2005- Mikhail Bazhenov (Geological Institute Moscow)
 2006- Manoj Pandit (University of Rajasthan, India)
 2009- Natalia Levashova (Geological Institute, Moscow)
 2010- Manoj Pandit (University of Rajasthan, India)
 2012- Natalia Federova (Moscow University)
 2012- Natalia Levashova (Geological Institute Moscow)
 2012_ Mikhail Bazhenov (Geological Institute Moscow)

2013*- Xuxuan Ma (Sun-Yat-Sen University China)
2014*- Xiaobei Xiao- (Chinese University of Geosciences, Beijing)
2015*- Donghai Zhang (Chinese Academy of Sciences, Beijing)
2016*- Zhiyu Yi (Chinese Academy of Geosciences, Beijing)
2017*- Huiru Xu (Chinese Academy of Geosciences, Beijing)

Other (TV interviews/community service projects)

1. **1993**- Interviewed by University of Michigan Press regarding Nature article on Plate Tectonic Speed limits. News articles appeared in various papers around the country.
2. **1995**- Conducted interviews related to the 1995 Kobe, Japan earthquake including a ½ television show on WTWO television, Terre Haute Indiana. Also gave numerous radio show interviews with local Terre Haute radio on this event.
3. **1995**- Gave a lecture on Earthquakes and Volcanoes to the Lions Club of Spencer, Indiana.
4. **1996**- Helped local cub scout pack earn their Geology Badge.
5. **1996**- Spoke at local school board meeting defending the teaching of evolution.
6. **1996**- Performed in a series of commercials for FOX Kids "So you want to be a geologist?", Terre Haute, Indiana.
7. **1996**- Interviewed by Science News (v150:7, p. 103) regarding the discovery of an 'oldest' reversal.
8. **1999**- Featured story in "Campus Connection: ISU Publications" for work in Madagascar called "Sprit of Discovery".
9. **1996-2000**: Gave lectures to various grade, middle and high school students on geology and geologic history in Terre Haute Indiana.
10. **2001**- Interviewed by New Scientist about the notion of true polar wander, New Scientist Magazine, v. 171, pages 35-37.
11. **2003**- Gave lecture at PK Yonge Elementary School on geology and rocks.
12. **2004**- Gave lecture at PK Yonge Elementary School on geology and rocks.
13. **2004**- Interviewed by Nature News regarding the Snowball Earth paper in Nature, San Francisco Chronicle, WRUF AM, Discovery Channel, WTRS radio Sunday morning program, Gainesville Sun, CNRS (French) Research reports. The story was also picked up by various newswires and published in newspapers across the globe.
14. **2004**- Interviewed by major news organizations regarding the J. Geol. Soc. London paper on trilobite evolution, including Science News, Discovery Channel News, WRUF 850 AM, Geotimes, Astrobiology News and the Lawrence Kansas newspaper, the French Magazine "La Recherche" (equivalent to our Scientific American).
15. **2004**- Assisted P.K. Yonge Kindergarten teacher Julie Johnson in her acquisition of a National Certification in Science teaching.
16. **2005**- Interviewed by the Alligator regarding the Sumatra Earthquake.
17. **2006**- Interviewed in Science regarding Intelligent Design and creationism (v. 311, 769-771 Feb 2006).
18. **2006**- Talked on rocks and minerals to PK Yonge 3rd Grade class.

19. **2006**- Interviewed by Chemical and Engineering News regarding evolution and intelligent design (Nov 27, 2006 issue).
20. **2007**- Co-organizer with Phil Neuhoff and Matt Smith Museum Nights Florida Natural History Museum March 22, 2007.
21. **2008**- Interviewed by National Geographic News for article in Precambrian Research on Vindhyan basins in India.
22. **2008**- Interviewed by Christian Science Monitor regarding research on the Vindhyan basin in India.
23. **2008**- Interviewed by Education Week regarding the “Spore” the new evolution game.
24. **2009**- Featured on Inside UF regarding research work in India.
25. **2010**- Featured in an article on the Geodynamo in “Earth Magazine”
26. **2010-2009**- Scientific Consultant on Pioneer Productions animated Earth history program (Released Feb/March 2011 on National Geographic Channel and Discovery Channel Canada).
27. **2011**- Interviewed by Jacksonville Times Union on magnetic fields and runway numbering.
28. **2012**- Consultant BBC program “Story of the Continents”. Release date late 2013.
29. **2012**- Consultant NHK Japanese Television Program “Land and Evolution of Life” Documentary, spring 2013 release.
30. **2013**- Interview for Nature release on mid-continent rift volcanism.
31. **2016**- Interview by Science magazine regarding hyperactive magnetic field
32. **2016**- Interview by Earth Magazine regarding hyperactive magnetic field
33. **2017**- Interview Science Magazine The Supercontinent Puzzle
34. **2019**- Interview Scientific American: The day the field almost died.
35. **2019**- How stuff works Gondwana interview online article
36. **2019**- National Geographic interview on rapid magnetic reversals
37. **2019**- National Geographic interview on Jurassic aridification article
38. **2019**- UF Instagram video on Jurassic aridification.
39. **2023**- Interview VOX.com on Ambohiby Complex, Madagascar.
40. **2023**- Interview UFNews on Dickinsonia fossil controversy India
41. **2023**- Interview New York Times on Dickinsonia fossil controversy.
42. **2024**- Interview Science et Vie magazine (France) on Dickinsonia discovery
43. **2024**-Interviewed by Physics Today regarding Ediacaran magnetic field.
44. **2024**-Interviewed by Science News regarding the Ediacaran magnetic field.

Other (Community Service & Licenses, Outreach)

1. **2008**- Private Pilot Certificate Airplane Single Engine Land (ASEL).
2. **2008**-present Co-pilot on Angel Flights.
3. **2008**-present Faculty Advisor: Gator Aviators UF Sponsored Student Organization
4. **2009**-present Faculty Advisor: Geological Science Ambassadors.
5. **2007-2008**: Vice Chair Florida Citizens for Science.
6. **2009-2012**: Board Member Florida Citizens for Science
7. **2014**- Baseball Coach Lincoln Middle School JV, Gainesville, FL
8. **2013**- Science Fair Judge 6-8th grade Alachua County Schools

9. **2013**- Guest Lecturer- Lincoln Middle School "Getting to know your mineral"
10. **2015**- Assistant Baseball Coach Lincoln Middle School Varsity, Gainesville, Fl.
11. **2014-2016**: Volunteer Ronald McDonald House of Gainesville, FL (20+ hours/year).
12. **2014**- Science Fair Judge Alachua County Schools
13. **2015**- Talk Science with Me Gainesville Public Library (July 6-8 pm). Science public outreach.
14. **2015**- Geology and Plate Tectonics, Lincoln Middle School Earth Science class.
15. **2015**- Talk Science with Me Archer, Florida (September 2015, 6-9 pm), Science public outreach.
16. **2015**- Science Fair Judge Alachua County Schools
17. **2016**- Varsity Baseball Coach, Lincoln Middle School
18. **2016**- Talk science with Me, Archer, Fl (January 20, 2016)
19. **2016**- Ask a Scientist Florida Museum of Natural History (March 6, 2016)
20. **2016**- Talk Science with Me, Gainesville Fl (July 21, 2016)
21. **2016**- Geology Introduction-Lincoln Middle School (October 2016)
22. **2016**- Plate Tectonics-Lincoln Middle School (November 2016)
23. **2017**- Junior Varsity Baseball Coach Lincoln Middle School (Spring 2017)
24. **2017**- Talk Science with Me, Melrose, Florida (summer 2017).
25. **2018**- Varsity Baseball Coach Lincoln Middle School (Spring 2018)
26. **2018**- College of Liberal Arts and Sciences STEM Panel (Jan 2018 Career Days)
27. **2019**- Talk Science with me, First Magnitude Brewery Gainesville.
28. **2022**- GSA On to the Future Mentor Annual Meeting
29. **2022**- Geological Society of America- Mentoring Drop-in mentor.
30. **2022**- The Village Gainesville Senior Living Center Seminar on the Earth's Magnetic Field.
31. **2023**- Retired Faculty of Florida Seminar on the Earth's Magnetic Field.
32. **2023**- Oak Hammock Retirement Community Two-week short course on the Ediacaran-Cambrian transition.
33. **2023**- Geological Society of America "On to the Future" Mentor.