## Contents

Fifty years of the Wilson Cycle concept in plate tectonics: an overview  

**The Classic Wilson v. Supercontinent Cycles**

**Dalziel, I. W. D. & Dewey, J. F.** The classic Wilson cycle revisited  

**Pastor-Galán, D., Nance, R. D., Murphy, J. B. & Spencer, C. J.** Supercontinents: myths, mysteries, and milestones  

**Nance, R. D. & Murphy, J. B.** Supercontinents and the case for Pannotia  

**Mantle Dynamics in the Wilson Cycle**

**Heron, P. J.** Mantle plumes and mantle dynamics in the Wilson cycle  

**Tectonic Inheritance in the Lithosphere**

**Şengör, A. M. C., Lom, N. & Sağdıç, N. G.** Tectonic inheritance, structure reactivation and lithospheric strength: the relevance of geological history  

**Heron, P. J., Pysklywec, R. N. & Stephenson, R.** Exploring the theory of plate tectonics: the role of mantle lithosphere structure  

**Chenin, P., Picazo, S., Jammes, S., Manatschal, G., Muntener, O. & Karner, G.** Potential role of lithospheric mantle composition in the Wilson cycle: a North Atlantic perspective  


**Scisciani, V., Patruno, S., Tavarnelli, E., Calamita, F., Pace, P. & Iacopini, D.** Multi-phase reactivations and inversions of Paleozoic–Mesozoic extensional basins during the Wilson cycle: case studies from the North Sea (UK) and the Northern Apennines (Italy)  

**Revisiting Tuzo’s question on the Atlantic**

**Ady, B. E. & Whittaker, R. C.** Examining the influence of tectonic inheritance on the evolution of the North Atlantic using a palinspastic deformable plate reconstruction  

**Murphy, J. B., Nance, R. D., Keppie, J. D. & Dostal, J.** Role of Avalonia in the development of tectonic paradigms  

**Waldron, J. W. F., Schofield, D. I. & Murphy, J. B.** Diachronous Paleozoic accretion of peri-Gondwanan terranes at the Laurentian margin  

**White, S. E. & Waldron, J. W. F.** Inversion of Taconian extensional structures during Paleozoic orogenesis in western Newfoundland  

**Thomas, W. A.** Tectonic inheritance at multiple scales during more than two complete Wilson cycles recorded in eastern North America
ALEXANDER, A. C., SHAIL, R. K. & LEVERIDGE, B. E. Late Paleozoic extensional reactivation of the Rheic–Rhenohercynian suture zone in SW England, the English Channel and Western Approaches

Opening and Closing of Oceans

LUNDIN, E. R. & DORÉ, A. G. Non-Wilsonian break-up predisposed by transforms: examples from the North Atlantic and Arctic

SCHIFFER, C., PEACE, A., PHETHEAN, J., GERNIGON, L., McCAFFREY, K., PETERSEN, K. D. & FOULGER, G. The Jan Mayen microplate complex and the Wilson cycle

HALL, R. The subduction initiation stage of the Wilson cycle


Cratonic Basins and their place in the Wilson Cycle

DALY, M. C., TOZER, B. & WATTS, A. B. Cratonic basins and the Wilson cycle: a perspective from the Parnaíba Basin, Brazil

Index