

*Curriculum Vitae*  
**ANGELOS G. MARAVELIS, PhD**

Laboratory of Geology and Palaeontology, Department of Geology,  
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### **Areas of Specialization**

Sedimentology, Sequence-Stratigraphy, Basin Analysis, Hydrocarbon Exploration

### **Education**

- 2009      **Ph.D. in Geology** (Emphasis in Sedimentology and Basin Analysis)  
University of Patras (Greece), Department of Geology  
Awarded September 2009  
Dissertation title: *The detailed sedimentological and petrographical research of the flysch deposits on Lemnos Island, NE Greece. Palaeogeographic evolution of the NE Aegean Sea with respect to hydrocarbon field formation. 271 pages*  
Advisors: Avraam Zelilidis, Nikos Kontopoulos and Vassilios Tsikouras
- 2004      **M.Sc. in Geology**  
University of Patras (Greece), Department of Geology  
Awarded September 2004  
M.Sc. Thesis: *Sedimentological evolution and palaeocurrent analysis of deep-water sediments on Lemnos Island, NE Greece*
- 2002      **B.Sc. in Geology**  
University of Patras (Greece), Department of Geology  
Awarded September 2002  
Honour's thesis: *Evolution of the alluvial fan sedimentation in North Peloponnesus, Patras, Greece*

### **Professional Experience and Appointments**

- 2020-present      *Assistant Professor in Geology*, Department of Geology, Aristotle University of Thessaloniki, Greece.
- 2017-2020      *Post-Doctoral researcher in Geology*, Department of Geology, University of Patras, Greece
- 2013-2016      *Lecturer in Geology*, University of Newcastle, NSW Australia
- 2010-2013      *Postgraduate fellow*, Department of Geology, University of Patras, Greece
- 2004-2009      *Teaching Assistant*, Department of Geology, University of Patras, Greece

### **External Funding**

- 2005–2008: European Union and the Hellenic Ministry of Development:** Provenance, tectonic setting, and source rock potential of the Paleogene shallow- and deep-water sediments on Lemnos Island northeast Greece. Insights into the geotectonics and hydrocarbon potential of the northeast Aegean Sea.
- 2012: TITAN Group (cement and building materials producer):** Depositional environments and evaluation of mudstone deposits in Achaia region, Greece.
- 2012: TITAN Group (cement and building materials producer):** Detailed geological mapping of Rion region, Achaia, Greece.
- 2012-2013: GeoEnergy, Inc.:** Petroleum geology – seismic interpretation of seismic lines from Ionian Sea and south of Crete Island in Greece.
- 2013: Paradigm E&P Solutions:** Access to Paradigm exploration and production (E&P) solutions.
- 2015: Origin Energy:** Establishing stronger lithostratigraphic correlations within the Walloon Subgroup in the Surat Basin (SB), Queensland.

**2015: Geological Survey of New South Wales, Australia:** Unraveling the Upper Permian basin fill history of the Northern Sydney Basin (NSB): Stratigraphic Correlation between Nobbys Tuff and Althorpe Claystone.

**2016: Geological Survey of New South Wales, Australia:** Unravelling long-distance stratigraphic correlations in the northern Sydney Basin (NSB).

**2016: Hellenic Petroleum:** Outcrop study and paleogeography of Upper Cretaceous-Eocene resedimented carbonates of the Ionian zone.

**2017: Geological Survey of New South Wales, Australia:** Subsurface analysis of the Permian sedimentary succession in the Northern Sydney Basin, SE Australia: Paleogeography, geotectonic evolution, and economic potential.

**2017: Hellenic Petroleum:** The study of thin sections of selected samples from upper Cretaceous-Eocene resedimented carbonates of the Ionian zone.

**2017: Hellenic Petroleum:** The age of Neogene deposits – time of sedimentation.

**2018-2021: Hellenic Foundation for Research and Innovation and General Secretariat for Research and Technology:** Global climate and sea-level changes across the Latest Eocene-Early Oligocene, as reflected in the sedimentary record of Pindos foreland and Thrace basin, Greece, 80591.

### **Peer-Reviewed Publications**

1. Botziolis, C., **Maravelis, A.G.**, Pantopoulos, G., Kostopoulou, S., Catuneanu, O. and Zelilidis, A. (2021). Stratigraphic and paleogeographic development of a deep-marine foredeep: Central Pindos foreland basin, western Greece. *Marine and Petroleum Geology* 128, 105012.
2. **Maravelis, A.G.**, Offler, R., Pantopoulos, G. and Collins, W.J. (2021). Provenance and tectonic setting of the Early Permian sedimentary succession in the southern edge of the Sydney Basin, eastern Australia. *Geological Journal* 56, 2258-2276.
3. **Maravelis, A.G.**, Breckenridge, J., Ruming, K., Holmes, E., Amelin, Y. and Collins, W.J. (2020). Re-assessing the upper Permian stratigraphic succession of the northern Sydney basin, Australia, by CA-IDTIMS. *Geosciences* 10, Article number 474, 1-19.
4. Bourli, N., **Maravelis, A.G.** and Zelilidis, A. (2020). Classification of soft-sediment deformation in carbonates based on the Lower Cretaceous Vigla Formation, Kastos, Greece. *International Journal of Earth Sciences* 109(7), 2599–2614.
5. Breckenridge, J., **Maravelis, A.G.**, Catuneanu, O., Ruming, K., Holmes, E. and Collins, W.J. (2019). Outcrop analysis and facies model of an Upper Permian tidally influenced fluvio-deltaic system: Northern Sydney Basin, SE Australia. *Geological Magazine* 156, 1715-1741.
6. Tserolas, P., **Maravelis, A.G.**, Tsochandarlis, N., Pasadakis, N. and Zelilidis, A. (2019). Organic geochemistry of the Upper Miocene-Lower Pliocene sedimentary rocks in the Hellenic Fold and Thrust Belt, NW Corfu island, Ionian Sea, NW Greece. *Marine and Petroleum Geology* 106, 17–29.
7. Bourli, N., Kokkaliari, M., Iliopoulos, I., Pe-Piper, G., Piper, D.J.W., **Maravelis, A.G.** and Zelilidis, A. (2019). Mineralogy of siliceous concretions, cretaceous of Ionian zone, western Greece: Implication for diagenesis and porosity. *Marine and Petroleum Geology* 105, 45-63.
8. Bourli, N., Pantopoulos, G., **Maravelis, A.G.**, Zoumpouli, E., Iliopoulos, G., Pomoni-Papaioannou, F., Kostopoulou, S. and Zelilidis, A. (2019). Late Cretaceous to early Eocene geological history of the eastern Ionian Basin, southwestern Greece: A sedimentological approach. *Cretaceous Research* 98, 47-71.
9. **Maravelis, A.G.**, Catuneanu, O., Nordsvan, A., Landenberger, B. and Zelilidis, A. (2018). Interplay of tectonism and eustasy during the Early Permian icehouse: Southern Sydney Basin, southeast Australia. *Geological Journal* 53, 1372–1403.
10. Tserolas, P., **Maravelis, A.G.**, Pasadakis, N. and Zelilidis, A. (2018). Organic geochemical features of the Upper Miocene successions of Lefkas and Cephalonia islands, Ionian Sea, Greece: an integrated geochemical and statistical approach. *Arabian Journal of Geosciences* 11(6), 105.
11. Kostopoulou, S., **Maravelis, A.G.** and Zelilidis, A. (2018). Biostratigraphic analysis in the Southern Hellenic Thrace Basin, (Lemnos Island, North Aegean Sea). *Turkish Journal of Earth Sciences* 27(3), 232–248.
12. Palozzi, J., Pantopoulos, G., **Maravelis A.G.**, Nordsvan, A. and Zelilidis, A. (2018). Sedimentological analysis and bed thickness statistics from a Carboniferous deep-water channel-levee complex: Myall Trough, SE Australia. *Sedimentary Geology* 364 160–179

13. **Maravelis A.G.**, Chamilaki, E., Pasadakis, N., Zelilidis, A. and Collins, W.J. (2017). Hydrocarbon generating potential of a Lower Permian sedimentary succession (Mount Agony Formation): Southern Sydney Basin, New South Wales, Southeast Australia. *International Journal of Coal Geology* 183, 52–64.
14. **Maravelis, A.G.**, Chamilaki, E., Pasadakis, N., Vassiliou, A. and Zelilidis, A. (2017). Organic geochemical characteristics and paleodepositional conditions of an Upper Carboniferous mud-rich succession (Yagon Siltstone): Myall Trough, southeast Australia. *Journal of Petroleum Science and Engineering* 158, 322–335.
15. **Maravelis, A.G.**, Pantopoulos, G., Tserolas, P. and Zelilidis, A. (2017). Reply to comment by Caracciolo et al. on: Maravelis et al. 2015. “Accretionary prism-forearc interactions as reflected in the sedimentary fill of southern Thrace Basin (Lemnos Island, NE Greece)”, *International Journal of Earth Sciences* 106, 389–394.
16. **Maravelis, A.G.**, Panagopoulos, G., Piliotis, J., Pasadakis, N., Manutsogu, E. and Zelilidis, A. (2016). Pre-Messinian (sub-salt) source-rock potential on back-stop basins of the Hellenic Trench System (Messara Basin, Central Crete, Greece). *Oil and Gas Science and Technology* 71(1), 1-16.
17. **Maravelis, A.G.**, Boutelier, D., Catuneanu, O., Seymour K.St. and Zelilidis, A. (2016). A review of tectonics and sedimentation in a forearc setting: Hellenic Thrace Basin, north Aegean Sea and mainland Greece. *Tectonophysics* 674, 1–19.
18. Zelilidis, A., Papatheodorou, G., **Maravelis, A.G.**, Christodoulou, D., Tserolas, P., Fakiris, E., Dimas, X., Georgiou, N. and Ferentinos G (2016). Interplay of thrust, back-thrust, strike-slip and salt tectonics in a Fold and Thrust Belt system: An example from Zakynthos Island, Greece. *International Journal of Earth Sciences* 105, 2111–2132.
19. Zelilidis, A., Tserolas, P., Chamilaki, E., Pasadakis, N., Kostopoulou, S. and **Maravelis, A.G** (2016). Hydrocarbon prospectivity in the Hellenic trench system: organic geochemistry and source rock potential of Upper Miocene-Lower Pliocene successions in the eastern Crete Island, Greece. *International Journal of Earth Sciences* 105, 1859–1878.
20. **Maravelis, A.G.**, Manutsoglu, E., Konstantopoulos, P.A., Pantopoulos, G., Makrodimitras, G., Zoumpouli, E. and Zelilidis, A. (2015). Hydrocarbons plays and prospectivity of the Mediterranean Ridge. *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects* 37, 347–355.
21. **Maravelis, A.G.**, Pantopoulos, G., Tserolas, P. and Zelilidis, A. (2015). Accretionary prism-forearc interactions as reflected in the sedimentary fill of southern Thrace Basin (Lemnos Island, NE Greece). *International Journal of Earth Sciences* 104 (4), 1039-1060.
22. **Maravelis, A.G.**, Koukounya, A., Tserolas, P., Pasadakis, N. and Zelilidis, A. (2015). Geochemistry of Upper Miocene-Lower Pliocene source rocks in the Hellenic Fold and Thrust Belt, Zakynthos Island, Ionian Sea, western Greece. *Marine and Petroleum Geology* 66, 217-230.
23. Zelilidis, A., and **Maravelis, A.G.** (2015). Adriatic and Ionian Seas: Proven petroleum systems and future prospects. *Journal of petroleum geology* 38(3), 247-253.
24. Zelilidis, A., **Maravelis, A.G.**, Tserolas, P. and Konstantopoulos, P.A. (2015). An overview of the petroleum systems in the Ionian Zone onshore NW Greece and Albania. *Journal of petroleum geology* 38(3), 331-348.
25. **Maravelis, A.G.**, Makrodimitras, G., Pasadakis, N. and Zelilidis, A. (2014). Stratigraphic evolution and source rock potential of a Lower Oligocene-Lower/Middle Miocene continental slope system, Greek Fold and Thrust Belt, Ionian Sea, Northwest Greece. *Geological Magazine* 151 (3), 394–413.
26. **Maravelis, A.G.** and Zelilidis, A. (2013). Discussion: ‘Unraveling the provenance of Eocene-Oligocene sandstones of the Thrace Basin, North-east Greece’ by Caracciolo et al. (2011), *Sedimentology*, 58, 1988-2011. *Sedimentology* 60, 860-864.
27. Pantopoulos, G., Vakalas, I., **Maravelis, A.G.** and Zelilidis, A. (2013). Statistical behavior of turbidite bed thickness patterns from the Alpine fold and thrust belt of western and southeastern Greece. *Sedimentary Geology* 294, 37-57.
28. Konstantopoulos, P.A., **Maravelis, A.G.** and Zelilidis, A. (2013). The implication of transfer faults in foreland basin evolution. Application on Pindos Foreland Basin, West Peloponnesus, Greece. *Terra Nova* 25, 323-336.
29. **Maravelis, A.G.** and Zelilidis, A. (2012a). Paleoclimatology and Paleoecology across the Eocene/Oligocene boundary, Thrace Basin, Northeast Aegean Sea, Greece. *Palaeogeography, Palaeoclimatology, Palaeoecology* 365-366, 81-98.
30. **Maravelis, A.G.** and Zelilidis, A. (2012b). Porosity-permeability and textural parameters of the Paleogene forearc sedimentary fill on Lemnos Island, NE Greece. *Turkish Journal of Earth Sciences* 21, 415-438.
31. **Maravelis, A.G.**, Makrodimitras, G. and Zelilidis, A. (2012). Hydrocarbon prospectivity in Western Greece. *Oil and gas European Magazine* 38 (2), 84-89. Impact factor 0.33

32. **Maravelis, A.G.** and Zelilidis, A. (2011). Geometry and sequence stratigraphy of the Late Eocene-Early Oligocene shelf and basin floor to slope turbidite systems, Lemnos Island, NE Greece. *Stratigraphy and Geological Correlation* 19 (2), 205-220.
33. **Maravelis, A.G.** and Zelilidis, A. (2010). Organic geochemical characteristics of the late Eocene- early Oligocene submarine fans and shelf deposits on Lemnos Island, NE Greece. *Journal of Petroleum Sciences and Engineering* 71, 160-168.
34. **Maravelis, A.G.** and Zelilidis, A. (2010). Petrography and geochemistry of the late Eocene-early Oligocene submarine fans and shelf deposits on Lemnos Island, NE Greece: Implications for provenance and tectonic setting. *Geological Journal* 45, 412-433.
35. **Maravelis, A.G.**, Konstantopoulos, P.A., Pantopoulos, G. and Zelilidis, A. (2007). North Aegean sedimentary basin evolution during the late Eocene to early Oligocene based on sedimentological studies on Lemnos Island (NE Greece). *Geologica Carpathica* 58, 455-464.

### **Abstracts and Conference Proceedings**

1. Botziolis, C., **Maravelis, A.G.**, Pantopoulos, G., Kostopoulou, S. and Zelilidis, A. Geochemical constraints to the Paleogene provenance and tectonic setting of Pindos Foreland Basin, western Greece. 3rd Conference of the Arabian Journal of Geosciences (CAJG), online, **2-5 October 2020**.
2. Botziolis, C., **Maravelis, A.G.**, Pantopoulos, G., Kostopoulou, S. and Zelilidis, A. Geochemical constraints to the Paleogene provenance and tectonic setting of Pindos Foreland Basin, western Greece. 3rd Conference of the Arabian Journal of Geosciences (CAJG), online, **2-5 October 2020**.
3. Bourli, N., Kokkaliari, M., Iliopoulos, I., Pe-Piper, G., Piper, D.J.W., **Maravelis, A.G.** and Zelilidis, A. Mineralogy of siliceous concretions, Cretaceous of Ionian zone, western Greece: implication for diagenesis and porosity. 34th International Association of Sedimentologists regional meeting, Rome, Italy, **10-13 September 2019**.
4. Kostopoulou, S., **Maravelis, A.G.**, Mpotziolis, C. and Zelilidis, A. The Eocene-Oligocene boundary in Pindos Foreland Basin, western Greece. 34th International Association of Sedimentologists regional meeting, Rome, Italy, **10-13 September 2019**.
5. Botziolis, C., **Maravelis, A.G.**, Kostopoulou, S. and Zelilidis, A. Sedimentological and Stratigraphic analysis of an Upper Eocene to Lower Oligocene deep-sea fan: Pindos Foreland Basin, western Greece. 34th International Association of Sedimentologists regional meeting, Rome, Italy, **10-13 September 2019**.
6. Bourli, N., Pantopoulos, G., **Maravelis, A.G.**, Zoumpouli, E., Iliopoulos, G., Pomoni-Papaioannou, F., Kostopoulou, S. and Zelilidis, A. Late Cretaceous to early Eocene geological history of the eastern Ionian Basin, southwestern Greece: a sedimentological approach. 34th International Association of Sedimentologists regional meeting, Rome, Italy, **10-13 September 2019**.
7. Bourli, N., Savva, V., Noti, A., Pantopoulos, G., **Maravelis, A.G.** and Zelilidis, A. Characterizing the submarine fan deposits fans of Pindos foreland, western Greece: Constraints based on statistical treatment of bed thickness distribution, ichnofauna research and conglomerate clast composition analysis. AAPG Europe Conference, Larnaca, Cyprus, **18-19 January 2017**.
8. Tserolas, P., **Maravelis, A.G.**, Pasadakis, N. and Zelilidis, A. Petroleum source rock evaluation of an Upper Miocene to Lower Pliocene clastic sedimentary succession in the Hellenic Fold and Thrust Belt: Ionian Foreland Basin, northwest Greece. AAPG Europe Conference, Larnaca, Cyprus, **18-19 January 2017**.
9. Karoulla, E., Stylianou, P., Elia, C., Iliopoulos, G., **Maravelis, A.G.** and Zelilidis, A. Characterizing the submarine fan deposits fans of Pindos foreland, western Greece: Constraints based on statistical treatment of bed thickness distribution, ichnofauna research and conglomerate clast composition analysis. AAPG Europe Conference, Larnaca, Cyprus, **18-19 January 2017**.
10. Zelilidis, A., Papatheodorou, G., **Maravelis, A.G.**, Christodoulou, D., Tserolas, P., Fakiris, E., Dimas, X., Georgiou, N. and Ferentinos G. Interplay of thrust, back-thrust, strike-slip and salt tectonics in a Fold and Thrust Belt system: An example from Zakynthos Island, Greece. AAPG Europe Conference, Bucharest, Romania, **19-20 May 2016**.
11. Zelilidis, A., Triantaphyrou, M., Kostopoulou, S., Mpotziolis, C. and **Maravelis A.G.** Biostratigraphy of the upper Miocene-lower Pliocene sediments in the Hellenic Fold and thrust Belt, Zakynthos Island, Ionian Sea, Western Greece. 31st International Association of Sedimentologists regional meeting, Krakow, Poland, **22-25 June 2015**.

12. Zelilidis, A., **Maravelis A.G.**, Tserolas, P. and Konstantopoulos, P.A. An overview of the petroleum systems in the Ionian Zone, onshore Greece. 31st International Association of Sedimentologists regional meeting, Krakow, Poland, **22-25 June 2015**.
13. **Maravelis, A.G.**, Vassiliou, A., Tserolas, P. and Zelilidis, A. Structural elements and petroleum exploration on the Apulian platform, Hellenic Fold and Thrust Belt, Zakynthos Island (western Greece). AAPG European Regional Conference and Exhibition Barcelona, Spain, **13-15 May 2014**.
14. Zelilidis, A., Konstantopoulos, P.A. and **Maravelis, A.G.** Hydrocarbon prospectivity in Apulian platform and Ionian zone, in relation to Strike-slip fault zones, Foreland and Back-Thrust basins of Ionian Thrust in Greece. AAPG European Regional Conference and Exhibition Barcelona, Spain, **8-10 April 2013**.
15. Zelilidis, A., **Maravelis, A.G.** and Konstantopoulos, P.A. Hydrocarbon plays and prospectivity of the Mediterranean Ridge. AAPG European Regional Conference and Exhibition Barcelona, **8-10 April 2013**.
16. **Maravelis, A.G.**, Konstantopoulos, P.A. and Zelilidis, A. Tectonic and sedimentary evolution of Pindos foreland basin in SW Greece: Geodynamic and depositional setting. 29th International Association of Sedimentologists regional meeting, Schladming, Austria, **10-13 September 2012**, Book of Abstracts, 552.
17. **Maravelis, A.G.**, Konstantopoulos, P.A. and Zelilidis, A. The role of the outer arc ridge as major sediment input into the forearc basins. 29th International Association of Sedimentologists regional meeting, Schladming, Austria, **10-13 September 2012**, Book of Abstracts, 423.
18. Zelilidis, A., Konstantopoulos, P.A. and **Maravelis, A.G.** Submarine fan sequences of Tritea, Hrisovitsi and Finikounda Group, an Eocene-Oligocene foreland basin fill in the Peloponnesus peninsula, Greece. 29th International Association of Sedimentologists regional meeting, Schladming, Austria, **10-13 September 2012**, Book of Abstracts, 555.
19. Zelilidis, A., **Maravelis, A.G.**, Konstantopoulos, P.A. and Makrodimitras, G.: A review of the hydrocarbon potential seen in Greece. 29th International Association of Sedimentologists regional meeting, Schladming, Austria, **10-13 September 2012**, Book of Abstracts, 358.
20. **Maravelis, A.G.** and Zelilidis, A. Geometry and sequence stratigraphy of shelf and basin floor to slope turbidite systems, Lemnos Island, NE Greece. 27th International Association of Sedimentologists regional meeting, Alghero, Italy, **20-23 September 2009**.
21. **Maravelis, A.G.** and Zelilidis, A. Organic geochemical characteristics of the late Eocene-early Oligocene submarine fans and shelf deposits on Lemnos Island, NE Greece. 26th International Association of Sedimentologists regional meeting ('Bochum to Bochum'-Back to the Roots of Interdisciplinary). Bochum, Germany, **1-3 September 2008**.
22. **Maravelis, A.G.**, Konstantopoulos, P.A., Pantopoulos, G. and Zelilidis, A. North Aegean sedimentary basin evolution during the late Eocene to early Oligocene based on sedimentological studies on Lemnos Island, NE Greece. 25th International Association of Sedimentologists regional meeting. Patras, Greece, **4-7 September 2007**.
23. Pantopoulos, G., Konstantopoulos, P.A., **Maravelis, A.G.** and Zelilidis, A. Application of bed thickness distributions in turbidite deposits of Greece: Some preliminary results. 17th International sedimentological congress (From the highest to the deepest). Fukuoka, Japan, **27th August-1st September 2006**.

### **Professional Memberships**

1. International Association of Sedimentologists (I.A.S.).
2. American Association of Petroleum Geologists (A.A.P.G.)
3. Society of Exploration Geophysicists (S.E.G.)
4. Geological Society of Greece (G.S.G)
5. Hellenic Association of Sedimentologists

### **Professional Service and Synergistic Activities**

**Editor-in-Chief for the Geosciences**

[https://www.mdpi.com/journal/geosciences/sectioneditors/sedimentology\\_stratigraphy\\_palaeontology](https://www.mdpi.com/journal/geosciences/sectioneditors/sedimentology_stratigraphy_palaeontology)

**Reviewer:** Arabian journal of Geosciences, Palaeogeography, Palaeoclimatology, Palaeoecology, Journal of African Earth Sciences, Journal of Asian Earth Sciences, Organic Geochemistry, International Journal of Coal Geology, Journal of Petroleum Sciences and engineering, Marine and Petroleum Geology, Geosciences.

### **Conference field trip organizing committee:**

1. Nilsen, T., Zelilidis, A. and **Maravelis, A.** Exploration and development of turbidite reservoir Pindos Foreland-Greece, By Earth Recourses Exploration (EREX), Patras, Greece, **11-15 October 1999.**
2. Ori, G.G., Zelilidis, A. and **Maravelis, A.** Coarse-grained fan deltas of the Pleistocene fan-deltas in the extensional Egean basin and of the Oligocene Kalabaka fan-deltas in the Eocene to Miocene Mesohellenic piggy-back basin. 25th International Association of Sedimentologists regional meeting. Patras, Greece, **4-7 September 2007.**

### **Professional Development – Workshops attended:**

Successful completion of the Paradigm online university (<http://www.pdgm.com/>).

### **Invited talks for petroleum and seismic exploration companies:**

- Ratio Oil Exploration (three days' workshop and field seminar in Greece)
- Energean oil & gas
- GeoEnergy, Inc.
- Hellenic Petroleum
- Origin Energy

### **Fieldwork Experience in Sedimentology-Sequence Stratigraphy and Basin Analysis**

1. **Pindos Basin, Western Greece:** Anatomy of a complex foreland basin affected by internal thrusting: Facies analysis, sequence stratigraphy and oil-geological analysis.
2. **Mesohellenic Basin, Greece:** Geometry and stratigraphic development of a retro-foreland basin.
3. **Thrace Basin, Northeast Greece:** Development of a two-sided forearc setting: Environments of deposition, sequence stratigraphy and provenance.
4. **Myall Trough, Southeast Australia:** Deciphering the basin-fill conditions in a Carboniferous extensional setting: Facies analysis, palaeoflow directions and high-resolution sequence stratigraphy.
5. **Southern Sydney Basin, Southeast Australia:** Interplay of tectonism and eustasy during the Early Permian icehouse: Southern Sydney Basin, southeast Australia: Depositional environments, sequence stratigraphy and climatic conditions.
6. **Northern Sydney Basin, Southeast Australia:** Stratigraphic evolution from deltaic to fluvial depositional systems during regression: Insights from the Upper Permian sedimentary succession in the NSB.

### **Professional Qualifications**

U-Pb Geochronology: LA-ICP-MS

Organic geochemistry: (Rock-Eval Analyser)

Image analysis: Petrog

Petroleum system modeling: Petromod

Statistical analysis: Origin

Directional data analysis: Stereonet