Curriculum Vitae

CV: SOFIA PECHLIVANIDOU

I. PERSONAL INFORMATION - EMPLOYMENT - EDUCATION - GRANTS - LANGUAGES - SKILLS

1. PERSONAL INFORMATION

• *Nationality*	Greek
• *Address*	School of Geology, Faculty of Sciences, Aristotle University of Thessaloniki
•*E-mail*	sofiapehli@geo.auth.gr sofia.pechlivanidou@uib.no
• *Telephone*	+30 2310 998554
• *Webpage*	https://www.researchgate.net/profile/Sofia-Pechlivanidou

2. EMPLOYMENT

• *Dates*	**02/23 - TODAY**
• *Employer*	Aristotle University of Thessaloniki, Greece
• *Department*	Physical and Environmental Geography
• *Occupation:*	Assistant Professor
• *Research tasks:*	• **Physical Geography - Sedimentology**
• *Dates*	**02/22 - 02/23**
• *Employer*	University of Bergen, 5020, Bergen, Norway
• *Occupation:*	Researcher within the 'Basin and Reservoir Studies' group
• *Project:*	**DeepRift project**
• *Research tasks:*	• Sedimentological and statistical analysis of deep-sea sediment gravity flows within the Corinth Gulf
• *Dates*	**10/21 - 01/22**
• *Employer*	University of Bergen, 5020, Bergen, Norway
• *Occupation:*	Researcher within the 'Basin and Reservoir Studies' group
• *Project:*	**iCorinth**
• *Research tasks:*	• Assist with initial development of a virtual field course on the Corinth Rift linked to iEarth teaching development. This work involves integration of existing structural and sedimentological data from the Corinth Rift and implementation of the virtual field course.
• *Dates*	**05/2020 - 11/2020 AND 02/21 - 07/2021**
• *Employer*	University of Bergen, 5020, Bergen, Norway
• *Occupation:*	Researcher within the 'Basin and Reservoir Studies' group
• *Research tasks:*	• Integration of bed-scale analysis of sedimentology with O-isotope, U/Th, magnetostratigraphic chronologies and micropaleontological data in order to understand paleoenvironmental changes over the last 125 kyr for the Gulf of Corinth.
• *Dates*	**08/2018 - 01/2020**
• *Employer*	University of Bergen, 5020, Bergen, Norway
• *Occupation:*	Researcher within the 'Basin and Reservoir Studies' group
• *Project:*	**Erosion and syn-rift deposition in the Corinth Rift, Greece** PRINCIPAL INVESTIGATOR: prof. Robert Gawthorpe
• *Research tasks:*	• Investigate how fault network growth and climate change over the last 130 kyr affects rift margin erosion and syn-rift sedimentation using a combination of analysis of core data from IODP Expedition 381, offshore seismic and fault and landscape numerical modelling.
• *Dates*	**01/2017 - 06/2018**
• *Employer*	University of Bergen, 5020, Bergen, Norway
• *Occupation:*	Researcher within the 'Basin and Reservoir Studies' group

• Project:	**Syn-Rift Systems: Outcrop Analogues and Subsurface Applications** PRINCIPAL INVESTIGATOR: prof. Robert Gawthorpe
• Research tasks:	• Investigate the fundamental controls on erosion, sediment routing and deposition within syn-rift successions (e.g., reservoir analogues in the Corinth Rift) and apply this understanding to syn-rift play concepts on the Norwegian continental shelf. • Numerical modelling of landscape evolution and normal fault network growth to investigate spatial-temporal variations in erosion and depositional patterns in the Corinth Rift. • Basin filling modelling to simulate the formation of clinoform packages (e.g., Rogn Fm. Play, Frøya High) in Northern Sea.
• Dates	**11/2013 - 11/2016**
• Employer	University of Bergen, 5020, Bergen, Norway
• Occupation:	Postdoctoral research fellow
• Project:	**MultiRift project–Theme 3: Interactions between tectonics and surface processes in rifts** PRINCIPAL INVESTIGATOR: prof. Patience Cowie
• Research tasks:	• Investigate structural controls on erosion, sediment reworking/transport and basin sedimentation in multi-phase rift systems using landscape evolution modelling. • Understand erosional and depositional processes and quantify sediment supply variations from source to sink in active rifts (e.g., Sperchios Rift) using field observations and numerical modelling.
• Dates	**03/2010 - 05/2010**
• Employer	Bjerknes Centre for Climate Research, 5007 Bergen, Norway Supervisor: prof. Atle Nesje
• Occupation:	Internship
• Main activities:	Sedimentological, geochemical and mineral magnetic analysis of clastic sediments from core samples.
• Dates	**05/2007 - 05/2008**
• Employer	National Agricultural Research Foundation, Land Reclamation Institute, 57400, Sindos, Greece
• Occupation:	Internship
• Main activities:	Environmental and hydrogeological studies.
• Dates	**01/2004 - 06/2004**
• Employer	Shediasmos–Ktimatografiki S.A. – Technical Projects and Infrastructure Works Consultants, 54655, Thessaloniki, Greece
• Occupation:	GIS expert
• Main activities:	GIS applications

3. EDUCATION

• Dates	**2008 - 2012**
• Institute	Aristotle University of Thessaloniki, Greece
• Title of qualification awarded:	Doctor of Philosophy in Geology (Graded Excellent)
Ph.D. Thesis:	*'Modelling the sedimentological and the geomorphological evolution of the Sperchios River delta, Greece, during the Holocene'*
Supervisor	Prof. Albanakis Konstantinos
• Principal subjects and methods:	• Core logging and multi-proxy analysis of clastic sediments from core samples (grain-size, geochemical and paleontological analysis, mineral magnetic measurements and radiocarbon dating) to construct a high-resolution sequence stratigraphic model for the Sperchios delta during the Holocene. • Numerical modelling of sedimentary basin filling (Sedflux 2D) to understand controls on the Sperchios delta development in time and space.
Funding	State Scholarship Foundation (I.K.Y.)
• Dates	**2004 - 2007**
• Institute	Aristotle University of Thessaloniki, Greece
• Title of qualification awarded:	Master of Science in Geomorphology (Graded Excellent)
Master Thesis:	'*The impact of geomorphology on land cover & land use of Skyros Island, Aegean Sea, Greece'*

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Supervisor	Prof. Vouvalidis Konstantinos
• Principal subjects and methods:	• Quantitative geomorphological methods and geoinformatics (GIS) to understand how topographic variability affects land cover and land use.
• Dates	**1998 - 2003**
• Institute	Aristotle University of Thessaloniki, Greece
• Title of qualification awarded:	Bachelor in Geology (Graded Very Good)
B.A. Thesis:	*'Geophysical and neotectonic methods for studying geothermal fields'*
• Principal subjects and methods:	• Review of the methods used to understand the geothermal field of Milos Island (Aegean Sea).

4. PERSONAL GRANTS & ACHIEVEMENTS

• Dates	**2019** Akademia Mobility Fund to present my research at the American Geophysical Union (AGU) fall meeting
• Dates	**2017-2018** Selected as a sedimentologist to join the Science Party for the **'IODP Expedition 381: Corinth Active Rift Development'** organized by the European Consortium for Ocean Research Drilling (ECORD)
• Dates	**2017** Akademia Mobility Fund to present my research at the American Geophysical Union (AGU) fall meeting
• Dates	**2015** Akademia Mobility Fund to give an oral presentation at the European Geosciences Union (EGU) international conference
• Dates	**2010** Funded by the State Scholarship Foundation (I.K.Y.) for Erasmus student mobility for placement at the Bjerknes Centre for Climate Research, Bergen, Norway
• Dates	**2008** Awarded a 3.5-year grant from the State Scholarship Foundation (I.K.Y.) to perform doctoral studies in Geology
• Dates	**2003** Award for best student performance in my final year of the Bachelor degree
• Dates	**2002** Funded by the State Scholarship Foundation (I.K.Y.) for Erasmus student mobility for studies at the Department of Geography and Earth Sciences, Brunel University, Uxbridge, UK

5. LANGUAGES

English
First Certificate in English (Cambridge)

French
D.E.L.F. 1er Degré des 4 unites de contrôle de la série A et Certificat de langue Française

Norwegian
Level 1 (NOR-U1)

6. SKILLS & EXPERIENCE

Computer skills

- I have experience in numerical modelling of erosional/depositional processes. I have used the processed-based model Sedflux2D to simulate the evolution of the Sperchios delta (Greece), and the landscape evolution model CHILD to simulate the evolution of topographic surfaces under a set of driving erosion and sedimentation processes. Currently, I am using the surface processes model pyBadlands to explore spatial and temporal variations in sediment supply from source-to-sink within the Corinth Rift.
- I am specialized in terrain analysis using Geographical Information Systems (ArcGIS & Global Mapper).
- I have experience in visualization and analysis of large 3D dataset (CT-scans) using Avizo 3D software.
- I am very competent with statistical packages for grain-size analysis (Gradistat, Grapher).

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- I have experience in Matlab and python for data analysis, visualization and basic coding.

Laboratory Experience

I am experienced in:

- Core logging and interpretation of stratigraphic structures from sediment cores. I have described three long cores (1645 m total length) from the gulf of Corinth, as part of the onshore science party for IODP Expedition 381. Also, I have described and interpreted short cores (<50 m each) obtained from the Sperchios delta plain during my PhD studies.
- Sedimentological analysis of clastic sediments. I have used a suite of grain-size techniques including Sedigraph/Mastersizer and wet-dry sieving for granulometric analysis of sand-silt-clay accumulations and also methods for morphometric gravel analysis.
- Measuring and interpreting mineral magnetic properties (e.g., magnetic susceptibility, ARM, IRM) on sediment samples.
- Obtaining and interpreting elemental compositions using the x-ray fluorescence technique (XRF core scanning).

Field Experience

Dates	October 2015
Main activities:	Ten days collecting grain-size data to quantify spatial variations in sediment supply from source-to-sink in the Sperchios Rift, Greece.
Dates	October 2014
Main activities:	Five days at the Sperchios rift basin (Greece) to collect field data concerning channel geometry, rock mass strength and grain-size. Measurements were made using a differential GPS, a laser range finder, a Schmidt hammer and scaled photos of active gravel bars.
Dates	2012 - 2013
Main activities:	Three field trips at the Katarraktes cave system, Greece, to collect sediment samples from archeological and natural sections inside the cave for paleoenvironmental reconstructions.
Dates	2007 - 2012
Main activities:	During my PhD studies, I had numerous field trips to collect short cores from the Sperchios deltaic plain (Greece) and to perform the geomorphological mapping of the area.
Dates	2005, 2006
Main activities:	I took part in three paleontological excavations in northern Greece as part of the paleontological team of the Aristotle University of Thessaloniki.
Dates	2002
Main activities:	One week of geological mapping at the broader area of the Thessaloniki plain, Greece, as part of my Bachelor studies.

Organization of Scientific Meetings

- Member of the organizing committee of the '1st Meeting of the Hellenic Geomorphological Union' at the Aristotle University of Thessaloniki, Greece (2005).
- Member of the organizing committee of three hydrogeological meetings during 2007.

Referee Services

- **Geology,** The Geological Society of America (5-year Impact Factor: 5.8)
- **Basin Research,** Wiley Blackwell Publishing Ltd (Impact Factor: 3.5)
- **Quaternary Science Reviews,** Elsevier (5-year Impact Factor: 3.6)
- **Marine and Petroleum Geology**, Elsevier (5-year Impact Factor: 3.6)
- **Journal of the Geological Society,** Geological Society of London, Lyell Collection (5-year Impact Factor: 3.1)

Administration Services

- I served as member on three evaluation committees for selecting Ph.D. candidates at the Department of Earth Science, University of Bergen

II. RESEARCH – SCIENTIFIC PROJECTS – INVITED TALKS

RESEARCH INTERESTS

My research interests lie within the fields of sedimentology and geomorphology with a particular focus on source-to-sink analysis of active rift basins. My main research aim is to understand the impact of tectonics and climate on erosional and depositional processes and the dynamics of sediment routing systems within rift settings using field data and numerical modelling.

SCIENTIFIC PROJECTS

- **17/02/2022 - 16/02/2013** — **DeepRift project** (<u>$3.3 million</u>), University of Bergen, Norway, funded from the Research Council of Norway and *AkerBP*, *ConocoPhillips*, *Equinor*, *Neptune Energy*.
  <u>Principal Investigator:</u> prof. Robert Gawthorpe.
- **2018 - ΣΗΜΕΡΑ** — **IODP Expedition 381: Corinth Active Rift Development** (<u>$11.3 million</u>) of the European Consortium For Ocean Research Drilling (ECORD) (<u>http://www.ecord.org/expedition381)</u>

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Co-Chief Scientists: prof. Lisa McNeill; As. prof. Donna Shillington.

• 01/01/2017 - 30/06/2018

Syn-Rift Systems-Outcrop Analogues and Subsurface Applications ($3.2 million) University of Bergen, Norway, funded from the Research Council of Norway and *Statoil AS, Tullow, Faroe, ConocoPhillips, AkerBP, VNG Norge*.
Principal Investigator: prof. Robert Gawthorpe.

• 11/2013 - 11/2016

MultiRift project: Numerical modelling of fault growth and syn-rift surface processes Theme 3: Interactions between tectonics and surface processes in rifts ($2.5 million), University of Bergen, Norway, funded from *Statoil AS* and the Research Council of Norway. (http://org.uib.no/multirift/).
Principal Investigators: prof. Robert Gawthorpe; prof. Haakon Fossen; prof. Ritske Huismans; prof. Patience Cowie.

INVITED TALKS AND CONFERENCE PRESENTATIONS

• Dates **2023**

The Fucino sedimentary succession: the longest and continuous terrestrial archive in the Mediterranean area recording the last five millions of years of the Earth system history (FUCINO) - International Continental Scientific Drilling Program (ICDP)

Presentation Title: From surface processes modelling to high-resolution drilling record: resolving key controls on sediment production and stratigraphic development in active rifts

• Dates **2022**

Online workshop on 'Rift and Rifted margins' University of Potzdam, Germany

Presentation Title: Surface processes response to normal fault growth: numerical modelling

• Dates **2021**

European Geosciences Union (EGU) General Assembly, Vienna, Austria

Research Topic: Union Symposium 'Faults, Rivers and Topography: in memory of Patience A. Cowie'

Presentation Title: *From surface processes modelling to high-resolution drilling record: resolving key controls on sediment production and stratigraphic development in the Corinth Rift, Greece*

• Dates **2021**

Geological Society of Greece - Hellenic Committee for Geomorphology and Environment

Research Topic: Women in Geomorphology: a Mediterranean perspective

Presentation Title: *High resolution records of interacting tectonics, climate and sedimentation from the Corinth Rift, Greece*

• Dates **2020**

American Geophysical Union (AGU) fall meeting, San Francisco, USA

Presentation Title: *Drilling the Corinth active rift, Greece: High resolution records of interacting tectonics, climate and sedimentation during rift evolution*

• Dates **2019**

American Geophysical Union (AGU) fall meeting, San Francisco, USA

Research Topic: Advances in Tectonic Geomorphology: The Interplay of Tectonics, Climate, and Surface Processes

Presentation Title: *Contrasting geomorphic response to normal fault growth during single and multi-phase extension in active rifts*

• Dates **2018**

Colloquium on Norwegian Research Activities within the International Ocean Discovery Program (IODP)

Presentation Title: *Preliminary results from IODP Expedition 381: Development of the active Corinth Rift, Greece*

• Dates **2018**

European Geosciences Union (EGU) General Assembly, Vienna, Austria

Research Topic: Evolution and architecture of rifts and passive margins: from mantle dynamics to surface processes

Presentation Title: *Evaluating key controls on sediment flux to the Gulf of Corinth over the last 130 kyrs using a forward modelling approach*

• Dates **2017**

American Geophysical Union (AGU) fall meeting, New Orleans, USA

Research Topic: Mountain Peak to Seafloor: Processes, Interactions, and Feedbacks Between Sediment Supply and Landscape Evolution

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Presentation Title:	*Evaluating key controls on sediment flux to the Gulf of Corinth over the last 130 kyrs using a forward modelling approach*
• *Dates*	**2016**
	Keynote lecturer at the 18th Joint Geomorphological Meeting of the International Association of Geomorphologists (IAG), Chambery, France
Research Topic:	Source to sink: from erosion to sedimentary archives
Presentation Title:	*A source to sink analysis from the Sperchios active rift*
• *Dates*	**2016**
	American Association of Petroleum Geologists (AAPG) Annual Convention, Calgary, Canada
Research Topic:	Siliclastics / Source-to-sink
Presentation Title:	Controls on sediment distribution from source-to-sink in an active extensional setting: the Sperchios rift, central Greece
• *Dates*	**2016**
	European Geosciences Union (EGU) General Assembly, Vienna, Austria
Research Topic:	Interactions between tectonics and surface processes from mountain belts to basins
Presentation Title:	*A numerical modelling approach to investigate the surface processes response to normal fault growth in multi-rift settings*
• *Dates*	**2015**
	European Geosciences Union (EGU) General Assembly, Vienna, Austria
Research Topic:	Interactions between tectonics and surface processes from mountain belts to basins
Presentation Title:	*Surface processes in an active rift setting: a source to sink approach from the Sperchios delta, Central Greece*
• *Dates*	**2014**
	Topo-Europe, Barcelona, Spain
Research topic:	Interplay between surface, lithospheric, and mantle processes
Presentation Title:	*Controls on deltaic sedimentation in an active rift setting: a source to sink approach from the Sperchios delta, central Greece*
• *Dates*	**2014**
	10th International Congress of the Hellenic Geographical Society, Greece.
Research Topic:	Geomorphology
Presentation Title:	*Holocene depositional history of the Sperchios delta, central Greece*
• *Dates*	**2011**
	Key lecturer at the 15th Joint Geomorphological Meeting of the International Association of Geomorphologists (IAG)
Presentation Title:	*Sedimentation processes and numerical modelling in the Sperchios delta (Greece)*

SCIENTIFIC WORKSHOPS

• *Dates*	**04/2020 - 05/2020**
	Python seminar series – Aristotle University of Thessaloniki
• *Dates*	**2012**
	Processing and analyzing geospatial imagery - ENVI
• *Dates*	**2011**
	Participant at the Summer Institute for Earth - Surface Dynamics workshop, organized by the National Center on Earth – surface Dynamics (NCED), St. Anthony Falls Lab.-University of Minnesota (selected by competitive application)
Research topic:	Coastal Processes and the Dynamics of Deltaic Systems
• *Dates*	**2008**
	Methodological Approaches in Geoarchaeology, organized by the International Association of Geomorphologists (IAG), Porto Heli, Greece
• *Dates*	**2003**
	GIS /ArcInfo – ArcView, organized by ESRI, Thessaloniki, Greece

PROFESSIONAL ORGANIZATIONS

- European Geoscience Union (EGU)
- American Geophysical Union (AGU)
- American Association of Petroleum Geology (AAPG)
- Society for Sedimentary Geology (SEPM)

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III. TEACHING

• **2023 - ΣΗΜΕΡΑ**	**Undergraduate Level - Dep. Geology, Auth** **1.** Sediments and Sedimentary Rocks (3ο semester, co-teaching) **2.**Stratigraphy and Depositional Environments (4ο semester, co-teaching) **3.** English Terminology I and II (1st and 2nd semester, co-teaching) **4.** Field Exercise (4ο semester – 6days Field Trip Central Greece-Peloponnese) **Master Level – Dep. Geology, Auth** **1.** Applied Petroleum Sedimentology, Interinstitutional Master Programme 'Exploration and Exploitation of Hydrocarbons' **2.**Sedimentary Basins - Sediments – Transportation and Sedimentation processes – Paleogeography - Paleoenvironment, Interinstitutional Master Programme 'Exploration and Exploitation of Hydrocarbons'
• **2018 - ΣΗΜΕΡΑ**	**PhD co-supervision** '*Tectono-sedimentary evolution of the Corinth Rift: A comparison of rift margin and rift axis domains'*, Natacha Fabregas, University of Bergen, Norway
• **2020 - 2021**	**Master co-supervision** '*Sedimentology of IODP Expedition Site M0080 between 419.1 and 534.1 mbsf and implications for the tectono-sedimentary evolution of the easternmost Corinth Rift'*, Karoline Oktavia Hatletvedt, University of Bergen, Norway
• **2017 - 2019**	**Master Level – Dep. Geology, Auth** Sequence Stratigraphy simulation and reservoir modelling, Interinstitutional Master Programme 'Exploration and Exploitation of Hydrocarbons'
• **2017 - 2018**	**Undergraduate Level – University of Bergen, Norway** Geodynamics and basin modelling (GEOV 254)' ECTS credits: 10.
• **2015 - 2016**	**Master co-supervision**, '*Using grain size analysis to understand transverse versus axial sediment supply to a rift: Example from the Sperchios rift, Greece*' Sannes-Riiser, O., *University of Bergen, Norway*

IV. PUBLICATIONS

SELECTED PUBLICATIONS

- **2017. Pechlivanidou, S.,** Cowie P., Hannisdal B., Whittaker, A., Gawthorpe, R., Pennos, Ch. And Sannes-Riiser, O. Source-to-sink analysis in an active extensional setting: Holocene erosion and deposition in the Sperchios rift, central Greece. *Basin Research*, 30, 522-543, DOI: https://doi.org/10.1111/bre.12263. [PDF]
- **2019. Pechlivanidou, S.,** Cowie P., Duclaux, G., Salles, T., Nixon, C. and Gawthorpe, R. Tipping the balance: Shifts in sediment production in active rift settings. *Geology*, v. 47, p. 259–262, DOI:10.1130/G45589.1 [PDF]
- **2019.** McNeill, L., Shillington, D., Carter, G., Everest, J., Gawthorpe, R., Miller, C., Phillips, M., Collier, R.E.L., Cvetkoska, A., Gelder, G., Ferreiro, P., Doan, M-L., Ford, M., Geraga, M., Gillespie, J., Hemelsdael, R., Herrero-Bervera, E., Ismaiel, M., Janikian, L., Kouli, K., Ber, E., Li, Sh., Maffione, M., Mahoney, C., Machlus, M., Michas, G., Nixon, C., Oflaz, S., Omale, A., Panagiotopoulos, K., **Pechlivanidou, S.,** Sauer, S., Seguin, J., Sergiou, S., Zhakarova, N. and Green, S. High-resolution record reveals climate-driven environmental and sedimentary changes in an active rift. *Scientific Reports*, DOI: 10.1038/s41598-019-40022-w [PDF]
- **2019.** Pennos, Ch., Lauritzen, S-E., Vouvalidis, K., Cowie, P., **Pechlivanidou, S.,** Styllas, M., Gkarlaouni, Ch., Tsourlos, P. and Mouratidis, A. From subsurface to surface: a multidisciplinary approach to decoding uplift histories in tectonically-active karst landscapes. *Earth Surface Processes and Landforms*, DOI: 10.1002/esp.4605 [PDF]

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- **2021.** Pennos, Ch., **Pechlivanidou, S.**, Aidona, E., Bourliva, A., Lauritzen, S-E., Scholger, R., Kantiranis, N. Decoding short-term climatic variations from cave sediments over the Mid-Holocene: Implications to human occupation in the Katarraktes Cave System, Northern Greece. *Zeitschrift für Geomorphologie, Special Issue, vol. 63/1, 67–80,* DOI: *10.1127/zfg/2021/0680* [PDF]
- **2021.** De Gelder, G., Doan, M.-L., Beck, Ch., Carlut, J., Seibert, Ch., Feuillet, N., Carter, G.D.O., **Pechlivanidou, S.,** Gawthorpe, R.L. Multi-scale and multi-parametric analysis of Late Quaternary event deposits within the active Corinth Rift (Greece). *Sedimentology*. DOI: 10.1111/sed.12964 [PDF]
- **2021.** Mousouliotis, A.G., **Pechlivanidou, S.,** Albanakis, K., Georgakopoulos, A., B. Medvedev, B. Deciphering salt tectonic deformation patterns in Eastern Mediterranean: insights from the Messinian Evaporite at the eastern part of the Herodotus Basin. *Marine and Petroleum Geology*, 133. DOI: 10.1016/j.marpetgeo.2021.105317 [PDF]
- **2022**. **Pechlivanidou, S.**, Geurts, A., Duclaux, G., Gawthorpe, R., Pennos, Ch., Finch., E. Contrasting geomorphic and stratigraphic responses to normal fault development during single and multi-phase rifting. *Frontiers in Earth Science - Structural Geology and Tectonics*. Special Issue on *Links Between Tectonics, Fault Evolution and Surface Processes in Extensional Systems*. DOI: 10.3389/feart.2021.748276 [PDF]
- **2022.** Gawthorpe, R.L., Fabregas, N., **Pechlivanidou, S.,** Ford, M., Collier, R.E.L., Carter, G.D.O., McNeill, L.C., Shillington, D.J. Late Quaternary mud-dominated, basin-floor sedimentation of the Gulf of Corinth, Greece: Implications for deep-water depositional processes and controls on syn-rift sedimentation. Basin Research, 1-34. DOI: 10.1111/bre.12671
- **2023.** Kang, W., Li, S., Gawthorpe, R.L., Ford, M., Collier, R.E.L., Yu, X., Janikian, L., Nixon, C.W., Hemelsdaël, R., Sergiou, S., Gillespie, J., **Pechlivanidou, S.,** De Gelder, G. Grain-Size Analysis of the Late Pleistocene Sediments in the Corinth Rift: Insights into Strait Influenced Hydrodynamics and Provenance of an Active Rift Basin. In Straits and Seaways: controls, processes and implications in modern and ancient systems. v. 523, Geological Society of London Special Publication. DOI: 10.1144/SP523-2022-166
- *Geological Society of London Special Publication*. DOI: 10.1144/SP523-2022-166
- Sergiou, S., Geraga, M., **Pechlivanidou, S.,** Gawthorpe, R., Ninnemann, U., Meckler, A., Modestou, S., Angelopoulou, D., Antoniou, D., Diz, P., McNeill, L., Shillington, D., Papatheodorou G., **2024**. Stratigraphic and paleoceanographic alternations within a Mediterranean semi-enclosed, syn-rift basin during Marine Isotope Stage 5: The Gulf of Corinth, Greece. *Marine Geology* 474, 107340. DOI: 10.1016/j.margeo.2024.107340
- Muñoz-Barrera, J., Gawthorpe, R., Cullen, T., **Pechlivanidou, S.,** Henstra, G., Rotevatn, A., Sharp I. **2024.** Tectono-sedimentary evolution of high-displacement crustal-scale normal faults and basement highs on rifted margins: Klakk Fault Complex and Frøya High, Mid-Norwegian Margin. *Basin Research*, DOI: 10.1111/bre.1288

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