

Curriculum Vitae
Alasdair Skelton
Professor of Geochemistry and Petrology
Stockholm University
2025

Alasdair Skelton concluded his education at Cambridge University (England) with a Bachelor (Honours) in Natural Science in 1989. He was awarded a PhD in Geology at Edinburgh University (Scotland) in 1993. After postdoctoral fellowships held at Edinburgh University and Uppsala University (Sweden), he was installed as Professor of Geochemistry and Petrology at Stockholm University (Sweden) in 2001. Since then, he has published works on a range of topics including earthquake forecasting, metamorphic petrology and, more recently, climate of the past. He served as Head of Department at the Department of Geological Sciences, Stockholm University from 2004 to 2012, Editor for Journal of Petrology (<https://academic.oup.com/petrology/>) and co-Director of the Bolin Centre for Climate Research (<https://bolin.su.se/>) from 2013 to 2021. He is presently Chairperson of the Education Board at Stockholm University, and Chairperson for the European Civic University (<https://civis.eu/en/>) Hub on Climate, Environment and Energy. He sits on the Advisory Board for establishing a “Climate Roadmap” at Stockholm University. He was also PI for a Research School for School Teachers focused on Climate and Environment. He has won prizes for his teaching and he is strongly committed and actively involved in educating about geology and climate at all levels from pre-school to research training both within and beyond academia. As part of his outreach work, he co-founded a civil society organization, Researcher’s Desk (<https://researchersdesk.se/>).

Education

1989: Bachelor (Hons): Cambridge University – Natural Sciences

1993: PhD: Edinburgh University – Geology

Current employment

Stockholm University – Professor of Geochemistry and Petrology.

Employment history

1993-1997: Edinburgh University – NERC postdoctoral fellow

1998-1999: Ocean Drilling Program – postdoctoral fellow

1999-2000: Uppsala University – EU postdoctoral fellow

2000-2001: Uppsala University – Science communicator

2001-present: Stockholm University – Professor of Geochemistry and Petrology

2004-2012: Head of Department, Department of Geological Sciences, Stockholm University

2011-2015: Director of Research School for Teachers focusing on Natural Hazards

2013-2021: Co-Director of the Bolin Centre for Climate Research

2018-present: Director of Research School for Teachers focusing on Climate and Environment

2020-present: Chairperson for European Civic University Hub “Climate, Environment and Energy”

2020-present: Advisor on Climate Roadmaps for Stockholm University and Aix-Marseille Université

Academic supervision (main supervisor, completed)

2 postdoctoral fellows; 6 Ph.D. students; 3 Ph. Lic. students.

Postdoctoral fellow Zhihong Zhao (2011-2013): Reactive transport modeling of metamorphic carbon flux rates.

Postdoctoral fellow Gabrielle Stockmann (2013-2017): Fluid-rock interaction in geological processes.

Dr. Jaana Vuorinen (PhD 2005): The Alnö alkaline complex, Sweden: constraints on the genesis of alkaline silicate rocks and carbonatites.

Dr. Anna Engström (PhD 2006): Deformation and fluid-flow in magma-poor margins: A study of the Tasna Ocean-Continent transition, SE Switzerland.

Dr. Lillemor Claesson (PhD 2007): Fluid-rock interaction in two seismically active areas: The Tjörnes Fracture Zone, northern Iceland and the Shillong Plateau, northeastern India. Awarded “Naturvetarpriset” for best PhD thesis in 2007.

Dr. Barbara Kleine (PhD 2015): How do metamorphic fluids get in to rocks?

Dr. Alexander Lewerentz (PhD 2017): Fluid induced alteration of metasedimentary rocks in the Scottish Highlands.

Dr. Elin Tollefsen (PhD 2020): Experimental, petrological and geochemical investigations of ikaite ($\text{CaCO}_3 \cdot 6\text{H}_2\text{O}$) formation in marine environments

Ph. Lic. Niklas Wästeby (Ph. Lic. 2011): Correlation of hydrochemical changes and mineralization along fractures from Húsavík-Flatey Fault, Iceland.

Ph. Lic. Margareta Andrén (Ph. Lic. 2014): Coupling between earthquakes and groundwater chemistry on northern Iceland.

Ph. Lic. Linda Ericsson (Ph. Lic. 2015): Reconstruction of the coastal impact of the Indian Ocean tsunami in SW Thailand on December 26, 2004.

Selected communication activities

Co-founder: Researcher’s Desk (<https://researchersdesk.se/>)

Communication projects: Research-based field studies focusing on climate for gymnasium students (FORMAS 2016); Continued professional development focusing on climate for school teachers (FORMAS 2018); Utopian Stories (<https://nobelprizemuseum.se/en/utopian-stories-english/>); Taking on the Climate Crisis (<https://www.futurelearn.com/courses/taking-on-the-climate-crisis>)

Outreach courses: “Geology of Sweden - “from the past to the future”; “Climate Change – A Transdisciplinary Perspective”; “Climate Change – A Geological Perspective”; “Snowball Earth”, “Earthquakes”; “Discovery of the Elements”.

Educational texts (in Swedish) on climate change: Kemirlärares resurscentrum (2021); LMNT - En nationell ämnesförening för lärare i matematik, naturvetenskap och teknik (2021) and SO didaktik (2020)

Activities: “World Jigsaw” – a hands-on puzzle to convey plate tectonics to children aged 10–12; “Time Train” – an interactive stage play to convey geological time to children aged 5–9.

Awards: “Pedagogic Prize” (Stockholm University 2013) “Årets Geolog” (Naturvetarna 2004)

Publications

74 peer-reviewed papers. Citation Summary: h-index 28, 2121 citations in Scopus.

Peer-reviewed original articles

- **Skelton, A.**, Sturkell, E., Mörth, C.M., Jónsson, S., Stefansson, A., Liljedahl-Claesson, L., Wästeby, N., Andrén, M., Tollefsen, E., Gunnarsson Robin, J., Keller, N., Geirsson, H., Hjartarson, H., Kockum, I., 2024. Towards a method for forecasting earthquakes in Iceland using changes in groundwater chemistry. *Communications Earth and Environment* 5, 662.
- Goodfellow, B.W., Caffee, M.W., Chmiel, G., Fritzon, R., **Skelton, A.**, Stroeven, A.P., 2024. The protocataclasite dilemma: in situ ^{36}Cl and REE-Y lessons from an impure limestone fault scarp at Sparta, Greece. *Solid Earth* 15, 1343–1363.
- Smeraglia, L., Billi, A., Carminati, E., Aldega, L., **Skelton, A.**, Stockmann, G., Sturkell, E.I., 2024. Normal fault architecture, evolution, and deformation mechanisms in basalts, Húsavík, Iceland: Impact on fluid flow in geothermal reservoirs and seismicity. *Journal of Structural Geology* 188, 105265.
- **Skelton, A.**, Brudin-Borg, C., 2024. A critical utopian shared socioeconomic pathway. *Futures* 163, 103437.
- Fru, E.C., Bahri, J.A., Brosson, C., Bankole, O., Aubineau, J., El Albani, A., Nederbragt, A., Oldroyd, A., **Skelton, A.** et al., 2023. Transient fertilization of a post-Sturtian Snowball ocean margin with dissolved phosphate by clay minerals. *Nature Communications* 14, 8418.
- Villa, I. M., Glodny, J., Peillod, A., **Skelton, A.** and Ring, U., 2022. Petrochronology of polygenetic white micas(Naxos, Greece). *Journal of Metamorphic Geology* 41, 401–423
- Boschetti, T., Barbieri, M., Domenico Barberio, M., **Skelton, A.**, Stockmann, G., Toscani, L., 2022. Geothermometry and water–rock interaction modelling at Hafralækur: Possible implications of temperature and CO_2 on hydrogeochemical changes previously linked to earthquakes in northern Iceland. *Geothermics* 105, 102535.

- Niemi, M., **Skelton, A.**, Noone, K., and Olsson, M. J., 2021. Lockdown measures which reduced greenhouse gas emissions with little negative impact on quality of life. *Earth's Future*, 9, e2020EF001909. <https://doi.org/10.1029/2020EF001909>
- Barbieri, M., Franchini, S., Barberio, M.D., (...), **Skelton, A.**, Stockmann, G. 2021. Changes in groundwater trace element concentrations before seismic and volcanic activities in Iceland during 2010–2018. *Science of the Total Environment* 793,148635.
- **Skelton, A.**, Kirchner, N. and Kockum I., 2020. Skewness of Temperature Data Implies an Abrupt Change in the Climate System Between 1985 and 1991. *Geophysical Research Letters* 47, e2020GL089794.
- Kylander, M.E., Söderlindh, J., Schenk, F., Gyllencreutz, R., Rydberg, J., Bindler, R., Martínez Cortizas, A. and **Skelton, A.**, 2020. It's in your glass: a history of sea level and storminess from the Laphroaig bog, Islay (southwestern Scotland). *Boreas* 49 152-167.
- Tollefsen, E., Stockmann, G., **Skelton, A.**, Lundqvist, L. and Sturkell, E., 2019. Secondary alteration of the Grønnedal-Ika igneous complex and the genesis of ikaite, $\text{CaCO}_3 \cdot 6\text{H}_2\text{O}$, SW Greenland. *Chemical Geology* 510, 18–30.
- **Skelton, A.**, Peillod, A., Glodny, J., Klonowska, I., Månbro, C., Lodin, K. and Ring, U., 2019. Preservation of high-P rocks coupled to rock composition and the absence of metamorphic fluids. *Journal of Metamorphic Geology* 37, 359–381.
- **Skelton, A.**, Liljedahl-Claesson, L., Wästeby, N., Andrén, M., Stockmann, G., Sturkell, E., Mörth, C.-M., Stefansson, A., Tollefsen, E., Siegmund, H., Keller, N., Kjartansdóttir, R., Hjartarson, H. and Kockum, I., 2019. Hydrochemical Changes Before and After Earthquakes Based on Long-Term Measurements of Multiple Parameters at Two Sites in Northern Iceland—A Review. *Journal of Geophysical Research* 124, 2702–2720.
- **Skelton, A.**, Löwhagen, L., Fairchild, I.J., Boyce, A., Mörth, C.-M., Siegmund, H., Webster, D. and Spencer, A.M., 2019. Stable isotopes of oxygen and hydrogen in meteoric water during the Cryogenian Period. *Precambrian Research* 320, 253–260.
- Fairchild, I.J., Spencer, A.M., Ali, D.O., Anderson, R.P., Anderton, R., Boomer, I., Dove, D., Evans, J.D., Hambrey, M.J., Howe, J., Sawaki, Y., Shields, G.A., **Skelton, A.**, Tucker, M.E., Wang, Z. and Zhou, Y., 2018. Tonian-Cryogenian boundary sections of Argyll, Scotland. *Precambrian Research* 319, 37–64.
- Lewerentz, A. and **Skelton, A.D.L.**, 2018. Fluid and carbon flux estimation of regional metamorphic fluid flow in Glen Esk, SE Scottish Highlands: The role of hydrodynamic dispersion for broadening of an isotopic front. *American Journal of Science* 318, 435–457.

- **Skelton, A.**, Mansfeld, J., Ahlin, S., Lundqvist, T., Linde, J. and Nilsson, J., 2018. A compilation of metamorphic pressure–temperature estimates from the Svecofennian province of eastern and central Sweden. *GFF* 140, 1–10.
- Stockmann, G., Tollefsen, E., **Skelton, A.**, Brüchert, V., Balic-Zunic, T., Langhof, J., Skogby, H. and Karlsson, A., 2018. Control of a calcite inhibitor (phosphate) and temperature on ikaite precipitation in Ikka Fjord, southwest Greenland. *Applied Geochemistry*, 89, 11-22.
- Tollefsen, E., Stockmann, G., **Skelton, A.**, Mörth, C.-M., Dupraz, C. and Sturkell, E., 2018. Chemical controls on ikaite formation. *Mineralogical Magazine* 82, 1119-1129.
- Lewerentz, A., **Skelton, A.D.L.**, Lind, J.K., Nilsson, J., Möller, C., Crill, P.M. and Spicuzza, M.J., 2017. On the Association between Veining and Index Mineral Distributions in Barrow’s Metamorphic Zones, Glen Esk, Scotland. *Journal of Petrology*, 8, 885-907.
- Peillod, A., Ring, U., Glodny, J. and **Skelton, A.**, 2017. An Eocene/Oligocene blueschist-/greenschist facies P–T loop from the Cycladic Blueschist Unit on Naxos Island, Greece: Deformation-related re-equilibration vs. thermal relaxation. *Journal of Metamorphic Geology* 35, 805-830.
- Lupi, M., Frehner, M., Weis, P., **Skelton, A.**, Saenger, E.H., Tisato, N., Geiger, S., Chiodini, G. And Driesner, D., 2017. Regional earthquakes followed by delayed ground uplifts at Campi Flegrei Caldera, Italy: Arguments for a causal link. *Earth and Planetary Science Letters* 474, 436-446.
- **Skelton, A.** and Thornton, B., 2017. Iterations of ytterbium. *Nature Chemistry* 9, 402.
- Sjöberg, S., Allard, B., Rattray, J.E., Callac, N., Grawunder, A., Ivarsson, M., Sjöberg, V., Karlsson, S., **Skelton, A.** and Dupraz C., 2017. Rare earth element enriched birnessite in water-bearing fractures, the Ytterby mine, Sweden. *Applied Geochemistry* 78, 158-171.
- Andersson, T., Hermelin, O., **Skelton, A.** and Jakobsson, M., 2016. Bottom characterization of Lagoa das Furnas on São Miguel, Azores archipelago. *Journal of Volcanology and Geothermal Research* 321, 196-207.
- **Skelton, A.**, Sturkell, E., Jakobsson, M., Einarsson, D., Tollefsen, E. and Orr, T., 2016. Dimmuborgir: A rootless shield complex in northern Iceland. *Bulletin of Volcanology* 78:40.
- Kleman, J., Borgström, I., **Skelton, A.** and Hall, A., 2016. Landscape evolution and landform inheritance in tectonically active regions: The case study of the Southwestern Peloponnese, Greece. *Zeitschrift für Geomorphologie* 60, 171-193.
- Andrén, M., Stockmann, G., **Skelton, A.**, Sturkell, E., Mörth, C.-M., Guðrúnardóttir, H. R., Nicole Simone Keller, N.S., Odling, N., Dahrén, B., Broman, C., Balic-Zunic, T., Hjartarson, H., Siegmund, H., Freund, F. and Kockum, I. Coupling between mineral reactions, chemical changes in groundwater and earthquakes in Iceland. *Journal of Geophysical Research: Solid Earth* 121, 2315-2337.

- Kleine, B.I., Zhao, Z. and **Skelton, A.**, 2016. Rapid fluid flow along fractures at greenschist facies conditions on Syros, Greece. *American Journal of Science* 316, 169-201.
- Katrantsiotis, C., Norström, E., Holmgren, K., Risberg, J. and **Skelton, A.**, 2016. High-resolution environmental reconstruction in SW Peloponnese, Greece, covering the last c. 6000 years: Evidence from Agios Floros fen, Messenian plain. *The Holocene* 26(2), 188-204.
- Kleine, B.I., Pitcairn, I.K. and **Skelton, A.**, 2016. Mineralogical controls on metamorphic fluid flow in metabasaltic sills from Islay, Scotland. *Lithos* 248, 22-39.
- **Skelton, A.**, Lewerentz, A., Kleine, B., Webster, D. and Pitcairn, I., 2015. Structural Channelling of Metamorphic Fluids on Islay, Scotland: Implications for Paleoclimatic Reconstruction. *Journal of Petrology* 56 (11), 2145-2172.
- Kleine, B.I., Pitcairn, I.K. and **Skelton, A.**, 2015. The mechanism of infiltration of metamorphic fluids recorded by hydration and carbonation of epidote-amphibolite facies metabasaltic sills in the SW Scottish Highlands. *American Mineralogist* 100 (11-12), 2702-2717.
- Pitcairn, I.K., **Skelton, A.** and Wohlgemuth-Ueberwasser, C., 2015. Mobility of gold during metamorphism of the Dalradian in Scotland. *Lithos* 233, 69-88.
- **Skelton, A.**, Andrén, M., Kristmannsdóttir, H., Stockmann, G., Mörth, C-M., Sveinbjörnsdóttir, Á, Jónsson, S., Sturkell, E., Guðrúnardóttir, H. R., Hjartarson, H., Siegmund, H. and Kockum, I., 2014. Changes in groundwater chemistry before two consecutive earthquakes in Iceland. *Nature Geoscience* 7 (10), 752-756.
- Wästeby, N., **Skelton, A.**, Tollefsen, E., Andrén, M., Stockmann, G., Claesson Liljedahl, L., Sturkell, E., Mörth, M., 2014. Hydrochemical monitoring, petrological observation, and geochemical modeling of fault healing after an earthquake. *Journal of Geophysical Research: Solid Earth* 119 (7), 5727-5740.
- Zhao, Z. and **Skelton, A.**, 2014. An assessment of the role of nonlinear reaction kinetics in parameterization of metamorphic fluid flow. *Journal of Geophysical Research: Solid Earth* 119 (7), 6249-6262.
- Goodfellow, B. W., **Skelton, A.**, Martel, S. J., Stroeven, A. P., Jansson, K. N. and Hättestrand, C., 2014. Controls of tor formation, Cairngorm Mountains, Scotland, *Journal of Geophysical Research: Earth Surfaces* 119 (2), 225-246.
- Kleine, B. I., **Skelton, A.**, Huet, B. and Pitcairn, I. K., 2014. Preservation of Blueschist-facies Minerals along a Shear Zone by Coupled Metasomatism and Fast-flowing CO₂-bearing Fluids. *Journal of Petrology* 55 (10),1905-1939.
- Jakobsson, M., Björck, S., O' Regan, M., Flodén, T., Greenwood, S. L., Swärd, H., Lif, A., Ampel, L., Koyi, H. and **Skelton, A.**, 2014. Major earthquake at the Pleistocene-Holocene transition in Lake Vättern, southern Sweden. *Geology* 42, 379-382.

- Batki, A., Pál-Molnár, E., Dobosi G., **Skelton, A.**, 2014. Petrogenetic significance of ocellar camptonite dykes in the Ditrău Alkaline Massif, Romania. *Lithos* 200–201 (2014) 181–196.
- Zhao, Z. and **Skelton, A.**, 2013. Simultaneous calculation of metamorphic fluid fluxes, reaction rates and fluid–rock interaction timescales using a novel inverse modeling framework. *Earth and Planetary Science Letters*, 373, 217-227.
- Jonsson, E., Troll, V.R., Högdahl, K., Harris, C. Weis, F., Nilsson, K.P. and **Skelton, A.**, 2013. Magmatic origin of giant ‘Kiruna-type’ apatite-iron-oxide ores in Central Sweden. *Scientific Reports*, 3, 1644.
- Arghe, F., **Skelton, A.** and Pitcairn, I.K., 2011. Spatial coupling between spilitisation and carbonation of basaltic sills in SW Scottish Highlands: evidence of a mineralogical control of metamorphic fluid flow. *Geofluids*, 11, 245-259.
- **Skelton, A.**, 2011. Flux rate for water and carbon during greenschist facies metamorphism. *Geology*, 36, 43-47.
- **Skelton, A.**, Pitcairn, I.K. and Arghe, F., 2010. Regional mapping of pre-metamorphic spilitization and associated chemical mobility in greenschist-facies metabasalts of the SW Scottish Highlands. *Journal of the Geological Society, London* **167**, 1-13.
- Pitcairn, I.K., **Skelton, A.**, Broman, C., Arghe, F. and Boyce, A., 2010. Structurally-focused fluid flow during orogenesis: the Islay Anticline, SW Highlands, Scotland. *Journal of the Geological Society, London* **167**, 659–674.
- Mård Karlsson, J., **Skelton, A.**, Sandén M., Ioualalen M., Kaewbanjak, N., Pophet, N., Asavanant, J. and von Matern, A., 2009. Reconstructions of the coastal impact of the 2004 Indian Ocean tsunami in the Khao Lak area, Thailand. *Journal of Geophysical Research* **114**, C10023.
- **Skelton, A.**, Claesson, L., Chakrapani, G., Mahanta, C., Routh, J., Mörth, C-M. and Khanna, P.P., 2008. Coupling between seismic activity and groundwater chemistry at the Shillong Plateau, northeastern India. *Pure and Applied Geophysics.*, DOI: 10.1007/s00024-007-0288-2.
- O’Regan, M., Moran, K., Backman, J., Jakobsson, M., Sangiorgi, F., Brinkhuis, H., Pockalny, R., **Skelton, A.**, Stickley, C., Koc, N., Brumsack, H. and Willard, D., 2008. Mid-Cenozoic Tectonic and Paleoenvironmental Setting of the Central Arctic Ocean. *Paleoceanography*, 23, PAIS20, doi:10.1029/2007PA001559.
- Engström, A., **Skelton, A.** and Grassineau, N., 2007. Isotopic and petrological evidence of fluid-rock interaction at a Tethyan ocean-continent transition in the Alps: implications for tectonic processes and carbon transfer during early ocean formation. *Geofluids*, 7, 401-414.
- Claesson, L., **Skelton, A.**, Graham, C. and Mörth, C-M., 2007. The timescale and mechanisms of fault sealing and water-rock interaction after an earthquake. *Geofluids*, 7, 427-440.

- **Skelton, A.** and Jakobsson, M., 2007. Could peridotite hydration reactions have provided a contributory driving force for Cenozoic uplift and accelerated subsidence along the margins of the North Atlantic and Labrador Sea? *Norwegian Journal of Geology*, **87**, 241-248.
- **Skelton, A.**, Hode Vuorinen, J. and Arghe, F., 2007. Fluid-rock interaction at a carbonatite-gneiss contact, Alnö, Sweden. *Contributions to Mineralogy and Petrology*, **154**, 75-90.
- **Skelton, A.D.L.**, Whitmarsh, R., Arghe, F., Crill, P. and Koyi, H., 2005. Constraining the rate and extent of mantle serpentinization from seismic and petrological data: implications for chemosynthesis and tectonic processes. *Geofluids* **5**, 153-164.
- Hode Vuorinen, J., Hålenius, U., Whitehouse, M.J., Mansfeld, J. and **Skelton, A.D.L.**, 2005. Compositional variations (major and trace elements) of clinopyroxene and Ti-andradite from pyroxenite, ijolite and nepheline syenite, Alnö Island, Sweden. *Lithos*, **81**, 55-77.
- Claesson, L., **Skelton, A.D.L.**, Graham, C.M., Dietl, C., Mörth, M., Torssander, P. and Kockum, I., 2004. Hydrogeochemical changes before and after a major earthquake. *Geology*, **32**, 641-644.
- Hode Vuorinen, J., and **Skelton, A.D.L.**, 2004. Origin of silicate minerals in carbonatites – In situ crystallisation or wall rock contamination? *Terra Nova*, **16**, 210-215.
- **Skelton, A.D.L.**, Annersten, H. and Valley, J.V., 2002. $\delta^{18}\text{O}$ and Yttrium Zoning in Garnet: Time Markers for Fluid Flow? *Journal of Metamorphic Geology*, 457-466.
- Koyi, H. and **Skelton, A.D.L.**, 2001. Centrifuge modelling of initiation of low-angle detachment faults. *Journal of Structural Geology*, **23**, 1179-1185.
- **Skelton, A.D.L.** and Valley, J.W., 2000. The relative timing of serpentinisation and mantle exhumation at the ocean-continent transition, Iberia: constraints from oxygen isotopes. *Earth and Planetary Science Letters* **178**, 327-338.
- **Skelton, A.D.L.**, Valley, J.V., Graham, C.M., Bickle, M.J. & Fallick, A.E., 2000. The Correlation of Reaction and Isotope Fronts and the Mechanism of Metamorphic Fluid Flow. *Contributions to Mineralogy and Petrology* **138**, 364-375.
- **Skelton, A.D.L.** & Elphick S.C., 1999. The detection of water-wetting in salt-rock by impedance measurement. *Earth and Planetary Science Express Letters* **174**, 1-5.
- ODP Leg 173 Scientific Party, 1998. Drilling reveals Transition from Continental Breakup to Early Magmatic Crust. *Eos, Transactions, American Geophysical Union* **79**, 173, 180-181.
- **Skelton, A.D.L.**, Bickle, M.J. & Graham, C.M., 1997. Fluid-Flux and Reaction Rate from Advective-Diffusive Carbonation of Mafic Sill Margins in the Dalradian, S.W. Scottish Highlands. *Earth and Planetary Science Letters* **146**, 527-539.
- **Skelton, A.D.L.**, 1997. The Effect of Metamorphic Fluid Flow on the Nucleation and Growth of Garnets from Troms, North Norway. *Journal of Metamorphic Geology* **15**, 85-92.

- **Skelton, A.D.L.**, 1996. The Timing and Direction of Metamorphic Fluid Flow in Vermont. *Contributions to Mineralogy and Petrology* **125**, 75-84.
- **Skelton, A.D.L.**, Graham, C.M. & Bickle, M.J., 1995. Lithological and Structural Controls on Regional 3-D Fluid Flow Patterns during Greenschist Facies Metamorphism of the Dalradian of the SW Scottish Highlands. *Journal of Petrology* **36**, 563-586.
- Fein, J.B., Graham, C.M., Holness, M.B., Fallick, A.E. & **Skelton, A.D.L.**, 1994. Controls on the mechanisms of fluid infiltration during regional metamorphism, an isotopic and textural study of Dalradian rocks of the SW Scottish Highlands. *Journal of Metamorphic Geology* **2**, 249-260.

Book chapters

- Whitmarsh, R.B., Besler, M.-O., Wallace, P.J., et al., 1998. Proc. ODP, Init. Repts. 173: College Station, TX (Ocean Drilling Program).
- Whitmarsh, R.B., Besler, M.-O., Wallace, P.J., et al., 2001. Proc. ODP, Scientific Results 173 (CD-ROM): College Station, TX (Ocean Drilling Program).
- Graham, C.M., **Skelton, A.D.L.**, Bickle, M.J. & Cole, C., 1997. Lithological, Structural and Deformational Controls on Fluid Flow During Regional Metamorphism. In: Deformation-enhanced melt segregation and metamorphic fluid transport, Holness, M.B. (ed). Chapman and Hall, 196-226.

Popular science articles

- **Skelton, A.**, 2021. De kemiska reaktionerna som styr jordens klimat. Kemilärarnas Informationsbrev 2, 2021.
- **Skelton, A.**, 2020. Klimatförändring: allvarlig, inte hopplös. SO-didaktik 9, 62-69.
- **Skelton, A.**, 2017. Hypotesen om Snowball Earth. *Geologiskt forum* 94, 16-19.
- **Skelton, A.**, 2013. Is orogenesis a net sink or source of atmospheric CO₂? *Geology Today*, 29, 102-107.
- **Skelton, A.**, 2011. Ny forskarskola för lärare. *Geologiskt forum* 71, 6-7.
- **Skelton, A.**, 2006. Konsten at förutsäga jordbävningar. *Geologiskt forum*.
- Claesson, L. and Skelton, A.D.L., 2004. Monitoring of hydrogeochemical change in a seismically active region – a possible application for continuous monitoring by voltimetry. *VANN*.
- **Skelton, A.** and Elphick, S., 1997. Is it safe to dispose of nuclear waste in salt? *Quarterly magazine of the Natural Environment Research Council* Summer, 6-7.