



## References of Research Articles linked to the Geology of Eastern Iceland

Alphabetical by

AUTHORS LAST NAME, published year. Title of publication. *Name of publisher* journals volume, pages.

- ABERG, G., BOLLMARK, B. & MACINTYRE, R.M., 1987. Age of the Austurhorn intrusion; a net-veined complex in Southeastern Iceland. *Geol. Fören. Stockh. Förh.* 109, 291-293.
- AÐALSTEINSSON, B., 1974. Jökulsá á Dal, jarðfræðiskýrsla. *BSc dissertation, Háskóli Íslands*, 39 p. & map.
- AÐALSTEINSSON, B., 1985. Skessugarður. *Náttúrufræðingurinn* 55 (2), 82. [Moraine on Jökuldalsheiði]
- AÐALSTEINSSON, B., 1987. Jökulhörfun á Brúaröræfum. *Inn: Íslandarlok á Íslandi. Jarðfræðafélag Íslands*, Reykjavík, 18–19.
- AÐALSTEINSSON, B., 1991. Jökulsá á Dal, jarðfræðiskýrsla, *Orkustofnun*, OS-88999/99B.
- AÐALSTEINSSON, B. & TORFASON, H., 1992. Jökulsá á Dal, jarðfræðiskýrsla. *Orkustofnun*, (óbirt gögn).
- AÐALGEIRSDÓTTIR, H., BJÖRNSSON, M. & JÓNASDÓTTIR, S., 2009. Norðfjarðargvegur (92) um Norðfjarðargöng, milli Eskifjarðar og Norðfjarðar, mat á umhverfisáhrifum, matskýrsla. *Vegagerðin*, 242 p.
- ALBERTSSON, K., 1972. Jarðfræði Suðvestur-Brúaröræfa og Mið-Krepputungu. *BSc dissertation unpublished, Háskóli Íslands*.
- ALBERTSSON, K.J., 1982. A brief K-Ar Age Study of the IRDP Borehole, Reyðarfjörður, Eastern Iceland. *Journal of Geophysical Research* 87, 6566-6568.
- ANDERSEN, R. & RÚNARSSON, Þ., 1997. Geislasteinar og hagnýting þeirra. *Glettingur* 7, 41-43.
- ANDERSON, F.W., 1949. Geological observations in south-eastern and central Iceland. *Trans. R. Soc. Edinb.* 61, 779-801.
- ANNELLS, A.E., 1967. The geology of the Hornafjörður region, S. E. Iceland. *Ph.D. thesis*, University of London.
- ANNELLS, R.N., 1969. A geological investigation of a Tertiary intrusive centre in the Víðidalur-Vatnsdalur area northern Iceland. *Ph.D. thesis*, University of St. Andrews.
- ANONYMOUS, 1985. Stærsti trjásteingerfingurinn í sýslunni. *Eystra-Horn* 3 (36), 10. [Fossil tree trunk from Hoffellsdalur]
- ANONYMOUS, 2003. Kavansít finnst á Fljótsdalshéraði. *Glettingur* 13, 22.
- ARASON, H. (Fagurhólmseyri), 1957. Hlaup úr Grænalóni í Fljótshverfi. *Hrakningar og heiðavegir* 4, 189-191.
- ÁRNADÓTTIR, S., PÉTURSSON, F. & STEFÁNSSON, H.Ö., 2013. Holusjárnælingar í holu HF-1 við Hoffell í Nesjum. *Íslenskar orkurannsóknir*, unnið fyrir Rarik, ÍSOR-2013/025.
- ÁRNADÓTTIR, S., EGILSSON, Þ., BLISCHKE, A., STEFÁNSSON, H.Ö., & JÓNASSON, H., 2013. Holusjárn- og borholunælingar við Hoffell og Miðfell í Nesjum og staðsetning holu HF-1. *Íslenskar orkurannsóknir*, unnið fyrir Rarik, ÍSOR-2013/017.
- ARONSON, J.R. & SÆMUNDSSON, K., 1975. Relatively old basalts from structurally high areas in central Iceland. *Earth Planet Sci. Lett.* 28, 83-97.
- ÁSBJÖRNSDÓTTIR, L., 2011. Jarðminjagarðar og verndun jarðminja. *Glettingur* 55-56, 29-32.
- ASHWELL, I., 1985. Geomorphology of Fljótsdalshérað, Eastern Iceland, and its Implications. *Jökull* 35, 31-49.
- ASKEW, R.A., 2012. The Geology of Breiðdalsvík and the Surrounding Area. *Bachelors dissertation*, University of Edinburgh.
- ASKEW, R.A., 2013. Magma Mixing and Mingling in Iceland; a Case Study of Streitishvarf Composite Dyke, Eastern Iceland. *Masters thesis*, University of Edinburgh.
- ASKEW, R.A., 2015. Continuing the legacy of George Walker: The Neogene Breiðdalur Volcano, Eastern Iceland. *Presentation Hausráðstefna Jarðfræðifélag Íslands 20. Nóvember 2015*, University of Iceland.
- ASKEW, R.A., in progress. Evolution of the Breiðdalur volcanic system, East Iceland: Which came first; the central volcano or the dyke swarm. *PhD thesis*, University of Iceland.
- ÁSMUNDSDÓTTIR, S., 2008. Fögur náttúrumyndun í jarðfræðilega örskotsstund. *Glettingur* 48, 28-29.
- AXELSSON, G., 1991. Jarðhitasvæðið á Urriðavatni. Einfaldir hermireikningar og spár um kólnun vatns úr holu 8. *Orkustofnun*, OS91037.
- AXELSSON, G. & SVERRISDÓTTIR, G., 1992. Eftirlit með jarðhitavinnslu við Urriðavatni árið 1991. *Orkustofnun*, OS92021.
- AXELSSON, G. 2006. Jarðhitasvæðið undir Urriðavatni og nýting þess. *Ársfundur ÍSOR 2006*.  
<http://www.isor.is/arsfundur-isor-2006-jardfraedi-og-jardhiti-austurlandi>



- AXELSSON, E., 2006. Jökulsá á Fljótssdal, Eyjabakkafoss, vhm 221, v234, Rennslislyklar nr. 5, 6 og 7. *Orkustofnun*, OS 2006/017.
- BAMLETT, M. & POTTER, J.F., 1994. Iceland. Geologist's Association Guide No. 52. East Iceland p. 29-33. ISBN0-9007-1772-6
- BARTHOLINUS, E., 1669. Experimenta Crystalli Islandici Disdiacastici Quibus Mira & Insolita Refractio Detegitur. *D. Paulli, Hafnia*, 60 p.
- BENEDIKTSSON, I.Ö., INGÓLFSSON, Ó, VAN DER MEER, J.J.M., KJÆR, K.H. & KRUGER, J., 2007. Instantaneous end moraine and sediment wedge formation during the 1890 glacier surge of Brúarjökull, Iceland. *Quaternary Science Reviews* 27, 209-234.
- BENEDIKTSSON, I.Ö., 2009. Rannsóknarverkefnið við Brúarjökul 2003-2005. *Glettingur* 50, 13-19.
- BENEDIKTSSON, I.Ö., 2010. Myndun og mótun lands við Brúarjökul. *Glettingur* 52, 17-22.
- BENEDIKTSSON, I.Ö., 2012. Polyphase structural evolution of a fine-grained, fold-dominated end moraine, Brúarjökull surge-type glacier, Iceland. *Jökull* 62, 167-184.
- BENEDIKTSSON, I.Ö., 2012. Myndun Hrauka í Kringilsárrana. *Náttúrufræðingurinn* 82, 35-47.
- BENJAMÍNSSON, J., 1975. Öskulag "a". *BSc dissertation, unpublished, Háskóli Íslands*, 38 p.
- BENJAMÍNSSON, J., 1982. Gjósulag á Norðausturlandi. *Inn: Eldur er í Norðri* (editors: Helga Þórarinsdóttir, Ólafur H. Óskarsson, Sigurður Steinþórsson and Þorleifur Einarsson). *Reykjavík, Sögufélag*, 181-185.
- BENJAMÍNSSON, J., 2000. Jarðgas til eldsneytis á Austurlandi. *Glettingur* 22, 7-11.
- BERG, S.E., 2016. Silicic Magma Genesis in Basaltdominated Oceanic Settings. Examples from Iceland and the Canary Islands. Dissertation UPPSALA, 56 p. (Borgarfjörður eystri area). (link: <https://uu.diva-portal.org/smash/get/diva2:893923/FULLTEXT01.pdf>)
- BERGSSON, Þ. & INGVARSDÓTTIR, S., 1996. Berghlaupið í Gripdeild [near Héraðsflooi]. *Glettingur* 6 (3), 42-43.
- BETZ, V., 1974. Ein bemerkenswerter Quarzfund von Helgustadanama, Reyðarfjörður, Ostisland. *Der Aufschluss* 25, 453-457.
- BETZ, V., 1981. Zeolites from Iceland and the Faroes. *The Mineral. Record*, jan-feb, 5-26.
- BEYLICH, A.A., 2000. Geomorphology, sediment budget and relief development in Austdalur, Austfirðir, East Iceland. *Arctic, Antarctic and Alpine Research* 32, 466-477.
- BEYLICH, A.A., 2009. Chemical and mechanical fluvial denudation in cold environments: Comparison of denudation rates from three catchments in sub-Arctic Eastern Iceland, sub-Arctic Finnish Lapland and Arctic Swedish Lapland. *Jökull* 59, 19-32.
- BEYLICH, A.A. & KNEISEL, C., 2009. Sediment budget and relief development in Hrafnadalur, subarctic Eastern Iceland. *Arctic, Antarctic and Alpine Research* 41, 3-17.
- BIRD, C. F. & PIPER, J. D. A., 1980. Opaque petrology, magnetic polarity and thermomagnetic properties in the Reyðarfjörður dyke swarm, Eastern Iceland. *Jökull* 30, 34-42.
- BJARNASON, S., 2008. Í steinasafni Petru á Stöðvarfirði. *Glettingur* 48, 30-31.
- BJÖRNSSON, A., 1985. Dynamics of crustal rifting in NE-Iceland. *Journal of Geophysical Research* 90, 10151-10162.
- BJÖRNSSON, F., 1974. Gosmenjar upp af Sandfellsfjalli [Öræfum]. *Náttúrufræðingurinn* 44 (1), 95-96.
- BJÖRNSSON, F., 1987. Gosminjar í grennd við Kvíarjökul. *Náttúrufræðingurinn* 57 (3), 131-135.
- BJÖRNSSON, H., PÁLSSON, F. & GUÐMUNDSSON, M.T., 1992. Breiðamerkurjökull, niðurstöður íssjarmælinga 1991. *Raunvísindastofnun Háskólans*, RH-92-12, 19 p and map.
- BJÖRNSSON, H., 1996. Scales and rates of glacial sediment removal: Breiðamerkurjökull. *Annals of Glaciology* 22, 141-146.
- BJÖRNSSON, H., 1998. Frá Breiðumörk til jökulsands: mótun lands í þúsund ár. *Kvískerjabók*, 164-176
- BJÖRNSSON, H., 2004. Jöklaveröld. Náttúra og mannlíf. *Skrúdda*, Reykjavík. 410 p.
- BJÖRNSSON, H., 2007. "Brúarjökull". *Glettingur* 45-46, 79-83.
- BJÖRNSSON, S., 1951. Jökulhlaupið 10. nóv. 1598 [Úr Öræfajökli]. *Náttúrufræðingurinn* 21 (3), 121-122.
- BJÖRNSSON, S., 1982. "Lifði engin kvik kind eftir." Í "Eldur er í norðri". *Afmælisrit Sig. Þór*, 354-359. [Um Öræfajökulsgosið 1362].
- BJÖRNSSON, S., 1993. Hvað gerðist við Kvíarjökul í lok ísaldar? *Náttúrufræðingurinn* 62 (1-2), 21-33.
- BJÖRNSSON, S., 1996. Breiðamerkurjökull. - *Jökull* 44: 57-60.
- BJÖRNSSON, S., 1998. Skeiðará og Skeiðarársandur. *Skaftfellingur* 12, 69-84.
- BJÖRNSSON, S., 1999. Eldgos 1861. *Skaftfellingur* 13, 55-58.



- BLAKE, D.H., 1964. The volcanic geology of the Austurhorn area, south-eastern Iceland. *Ph.D. Thesis*, University of London.
- BLAKE, D.H., ELWELL, R.W.D.I., GIBSON, I.L., SKELHORN, R.R. & WALKER, G.P.L., 1965. Some relationships resulting from intimate association of acid and basic magmas. *Quart. J. Geol. Soc. Lond.* 121, 31-49.
- BLAKE, D.H., 1966. The net-veined complex of the Austurhorn intrusion, south-eastern Iceland. *J. Geol.* 74, 891-907
- BLAKE, D.H., 1968. Gravitational sorting of phenocrysts in some Icelandic intrusive sheets. *Geol. Mag.* 105, 140-148.
- BLAKE, D.H., 1969. Welded tuffs and the Mælifell caldera, Álftafjörður volcano, south-eastern Iceland. *Geol. Mag.* 106, 531-541.
- BLAKE, D.H., 1970. Geology of Álftafjörður volcano, a Tertiary volcanic centre in south-eastern Iceland. *Scientia Islandica*, 2, 43-63.
- BLEIL, U., HALL, J.M., JOHNSON, H.P., LEVI, S. & SCHOENHARTING, G., 1982. The natural magnetization of a 3-km section of Icelandic crust. *Journal of Geophysical Research* 87, 6569-6589.
- BLÖNDAL, S., 1964. Hlaup í Brúarjökli fyrr og nú. *Austurland* 14 (4), 31.jan., 3-4.
- BODÉRE, J.C., 1986. The strandflats of south-eastern Iceland, between Reyðarfjörður and Breiðamerkurjökull. Iceland Coastal and River Symposium: *Proceedings*. Ed. by G. Sigbjarnarson. Reykjavík. Iceland, 41-49.
- BÖVÐVARSSON, G. & WALKER, G.P.L., 1964. Crustal drift in Iceland. *Geophys. J. Roy Astron. Soc.*, 8, 285-300.
- BURCHARDT, S., 2006. Volcano-tectonic evolution of the Geitafell Volcano, Southeast Iceland. Diploma thesis. *Geoscience Center of the Georg-August-University of Göttingen, Germany*. 165 p.
- BURCHARDT, S., 2008. New insights into the mechanics of sill emplacement provided by field observations of the Njardvik Sill, Northeast Iceland. *Journal of Volcanology and Geothermal Research* 173, 280-288.
- BURCHARDT, S. & GUÐMUNDSSON, A., 2009. The infrastructure of the Geitafell volcano, South East Iceland. *From T. TH. í 25 ára afmælisriti NAUST, Náttúruverndarsamtaka Austurlands, september 1995. THORDARSON, S. SELF, G. LARSEN, S.K. ROWALD and Á. HÖSKULDSSON (eds): Studies in Volcanology: The Legacy of George Walker*. Special Publications of IAVCEI No. 2, 349-370. Geological Society London.
- BURCHARDT, S., TANNER, D.C. & KRUMBHOLZ, M., 2010. Mode of emplacement of the Slaufudalur Pluton, Southeast Iceland inferred from three-dimensional GPS mapping and model building. *Tectonophysics* 480, 232-240.
- BURCHARDT, S., TANNER, D.C., TROLL, V.R., KRUMBHOLZ, M. & GUSTAFSSON, L.E., 2011a. Three-dimensional geometry of concentric intrusive sheet swarms in the Geitafell and the Dyrfjöll volcanoes, eastern Iceland. *Geochemistry, Geophysics, Geosystems (G3)* 12, Nr 7.
- BURCHARDT, S., TANNER, D.C. & KRUMBHOLZ, M., 2011b. Emplacement by coupled cauldron subsidence and magmatic stoping. An example of shallow magma–The Slaufudalur pluton, southeast Iceland. *Geological Society of America Bulletin*, published online on 2 September 2011, as doi:10.1130/B30430.1
- CARGILL, H. K., HAWKES, L. & LEDEBOER, J. A., 1928. The major intrusions of south-eastern Iceland. *Quart. J. Geol. Soc. Lond.* 84, 505-39.
- CARMICHAEL, I.S.E., 1960a. The pyroxenes and olivines from some Tertiary acid glasses. *J. Petrol.* 1, 309-336.
- CARMICHAEL, I.S.E., 1960b. The feldspar phenocrysts of some Tertiary acid glasses. *Miner. Mag.* 32, 587-608.
- CARMICHAEL, I.S.E., 1962a. Volcanic geology of Thingmuli, eastern Iceland. *Unpublished Ph.D. thesis*, University of London.
- CARMICHAEL, I.S.E., 1962b. A note on the composition of some natural acid glasses. *Geol. Mag.* 99, 253-64.
- CARMICHAEL, I.S.E., 1963. The crystallisation of feldspar in volcanic acid liquids. *Quart. J. Geol. Soc. Lond.* 119, 95-130.
- CARMICHAEL, I.S.E. 1964. The petrology of Thingmuli, a Tertiary volcano in eastern Iceland. *J. Petrol.* 5, 435-460.
- CARMICHAEL, I.S.E., 1967. The mineralogy of Thingmuli, a Tertiary volcano in eastern Iceland. *Am. Mineral.* 52, 1815-1841.
- CAMETTI, G., 2015. De- and re-hydration of scolecote revisited: An in situ single-crystal X-ray study under low and high humidity conditions. *Microporous and Mesoporous Materials* 208, 171-180.
- CARMODY, R.W., MARSH, B.D., 1988. Slaufudalur intrusion of SE Iceland: a layered, epizonal silicic magma chamber. *EOS* 69, 526.
- CHARRETEUR, G. & TEGNER, C., 2013. Magmatic emulsion texture formed by mixing during extrusion, Rauðafell composite complex, Breiðdalur volcano, Eastern Iceland. *Bulletin Volcanol.* 75-721.



- CHRISTENSEN, N.I. & WILKENS, R.H., 1982. Seismic properties, density and composition of the Icelandic crust near Reyðarfjörður. *Journal of Geophysical Research* 87, 6389-6395.
- CHARRETEUR, G., TEGNER, C. & HAASE, K., 2013. Multiple ways of producing intermediate and silicic rocks within Thingmúli and other Icelandic volcanoes. *Contributions to Mineralogy and Petrology* 166, 471-490.
- COOKE, A., 2012. The geology of Kambanes. *Bachelor Dissertation*, University of Edinburgh.
- DAGLEY, P., WILSON, R.L., ADE-HALL, J.M., WALKER, G.P.L., HAGGERTY, S.E., SIGURGEIRSSON, T., WATKINS, N.D., SMITH, P.J., EDWARDS, J. & GRASTY, R.L., 1967. Geomagnetic polarity zones for Icelandic lavas. *Nature* 216, 25-29.
- DAVÍÐSDÓTTIR, B., 2013. Náttúruvættið og fólkvangurinn Teigarhorn. Landvarðaskýrsla sumarið 2013. 78 p.
- DAVÍÐSDÓTTIR, B., 2014. Náttúruvættið Teigarhorn. Landvarðaskýrsla sumarið 2014. 85 p.
- DEARNLEY, R., 1954. A contribution to the geology of Lodmundarfjörður. *Acta Natur. Island.* 1, 9, 29.
- DES CLOIZEAUX, A., 1846-47. Note sur le gisement du spath d-Islande. *Bull. Soc. Geol. France* 4, 768-772.
- DUNCAN, R.A. & HELGASON, J., 1998. Precise dating of the Hólmatindur cooling event in Eastern Iceland: Evidence of mid-Miocene bipolar glaciation. *Journal of Geophysical Research* 103, B6, 12,397-12,404.
- DUNHAM, K., 1982. Leonard Hawkes. 6 August 1891 – 29 October 1981. *Biographical Memoirs of Fellows of the Royal Society* 28, 125-139.
- EINARSSON, T., 1954. A survey of gravity in Iceland. *Vísindafélag Íslendinga (Societas Scientiarum Islandica)* Rit 30.
- EINARSSON, T., 1957. Der Paleomagnetismus der islandischen Basalte und seine stratigraphische Bedeutung. *Neues Jb. Geol. Palaont.* 4, 159-75.
- EINARSSON, T., 1962. Íslaust svæði á Austurlandi á síðustu ísöld. *Náttúrufræðingurinn* 32 (1), 25-31.
- EINARSSON, T., 1962. Nokkur orð um íslaus svæði. *Náttúrufræðingurinn* 32 (2), 93-94.
- EINARSSON, T., 1963. Some chapters of the Tertiary history of Iceland. *North Atlantic biota and their history*. London.
- EINARSSON, T., 1971. Magnetic Polarity Groups in the Fljótsdalsheiði Area, including Gilsá. *Jökull* 21, 53-58.
- EIRIKSDÓTTIR, E.S., LOUVAT, P., GISLASON, S.R., ÓSKARSSON, N. & HARDARDÓTTIR, J., 2008. Temporal variation of chemical and mechanical weathering in NE Iceland: Evaluation of a steady-state model of erosion. *Earth and Planetary Science Letters* 272, 78-88
- EIRIKSDÓTTIR, E.S., GISLASON, S.R. & OELKERS, E.H., 2013. Does temperature or runoff control the feedback between chemical denudation and climate? Insights from NE Iceland. *Geochimica et Cosmochimica* 107, 65-81.
- EIRIKSSON, H.H., 1920. The Spar-mine at Helgustadir, Iceland. *Transactions-Institution of Mining Engineers* LIX, 6-13.
- EIRIKSSON, H.H., 1922. Silfurbergsnáman á Helgustöðum. Erindi flutt á fundi V.F.Í. 13.12.1922. *Tímarit Verkfræðingafélags Íslands*, 62-68.
- EIRIKSSON, H.H., 1943. Silfurberg. *Iðnsaga Íslands* II, 74-80.
- ERIKSSON, P.I., RIISHUUS, M.S., SIGMUNDSSON, F. & ELMING, S., 2011. Magmaflow directions inferred from field evidence and magnetic fabric studies of the Streitishvarf composite dike in east Iceland. *Journal of Volcanology and Geothermal Research* 206, 30-45.
- ERIKSSON, P.I., RIISHUUS, M.S. & ELMING, S., 2014. Magma flow and palaeo-stress deduced from magnetic fabric analysis of the Álftafjörður dyke swarm: implications for shallow crustal magma transport in Icelandic volcanic systems. *Geological Society, London, Special Publications* 396 doi:10.1144/sp396.6
- EVANS, D. J. A. & TWIGG, D. R., 2002. The active temperate glacial landsystem: a model based on Breiðamerkurjökull and Fjallsjökull, Iceland. *Quaternary Science Reviews*, 21-43.
- EXLEY, R.A., 1982. Electron Microprobe Studies of Iceland Research Drilling Project, High-temperature Hydrothermal Geochemistry. *Journal of Geophysical Research* 87, 6547-6557.
- EYÞÓRSSON, J., 1960. Vatnajökull. *AB., Reykjavík*. 44 p. 72 pictures.
- EYÞÓRSSON, J., 1963. Brúarjökull hlaupinn (A sudden advance of Brúarjökull). *Jökull* 13, 19-21.
- EYÞÓRSSON, J., 1964. Brúarjökuls-leiðangur 1964. *Jökull* 14, 104-107.
- FEUCHT, C.M., Hofmann, B.A. & DIAMOND, L.W., 2006. Geologie, Sekundärminerale und Biosignaturen tertiärer Basalte, Breiðdalur, Ostisland. *Unpublished MSc thesis*. University of Berne.
- [FEUCHT, C.M., 2014. Die Geologie Ostislands und das Geologiezentrum Breiðdalssetur. \*Ihr Nordlandführer - Mai 2014\*, 18-22.](#)
- [FEUCHT, C.M., 2015. Silfurberg - Grunn nútímasamfélagsins er að finna á Austurlandi. \*Málþing í Breiðdalssetri. Glettingur\* 64, 18-22.](#)





- FEUCHT, C.M. & KRISTJÁNSSON, L., 2016. Iceland spar - The key to modern civilisation. Information Brochure. *Breiðdalssetur*, 1.ed., 16 p.
- [FEUCHT, C.M. & KRISTJÁNSSON, L., 2017. Iceland spar - The key to modern civilisation. Information Brochure. \*Breiðdalssetur\*, 2.ed., 16 p.](#)
- [FEUCHT, C.M. & KRISTJÁNSSON, L., 2017. Silfurberg – Austfirstki lykillinn að tæknisamfélagi nútímans \*Breiðdalssetur\*, smábók, 16 bls.](#)
- [FEUCHT, C.M., THORDARSON, TH. & HÖSKULDSSON, Á., 2016. Samfagnaður í Breiðdalssætri vegna níraðisafmælis Dr. George Patrick Leonard Walkers. \*Glettingur\* 67, 42-45.](#)
- FLOYD, P.A. & FUGE, R. 1982. Primary and Secondary Alkali and Halogen Element Distribution in Iceland Research Drilling Project Basalts from Eastern Iceland. *Journal of Geophysical Research* 87, 6477-6488.
- FLOWER, M.F.J., PRITCHARD, R.G., BREM, G., CANN, J.R., DELANEY, J.R., EMMERMAN, R., GIBSON, I.L., OAKLEY, P.J., ROBINSON, P.T. & SCHMINCKE, H.-U., 1982. Chemical Stratigraphy, Iceland Research Drilling Project Reyðarfjörður, Eastern Iceland. *Journal of Geophysical Research* 87, 6489-6510.
- FRÍÐLEIFSSON, I.B., GIBSON, I.L., HALL, J.M., JOHNSON, H.P., CHRISTENSEN, N.I., SCHMINCKE, H.-U. & SCHOENHARTING, G. 1982. The Iceland Research Drilling Project, *Journal of Geophysical Research* 87, 6359-6361.
- FRÍÐLEIFSSON, I.B., GIBSON, I.L., HALL, J.M., JOHNSON, H.P., CHRISTENSEN, N.I., SCHMINCKE, H.-U. & SCHOENHARTING, G., 1982. The Iceland Research Drilling Project in relation to the Geology of Iceland, *Journal of Geophysical Research* 87, 6363-6370.
- FRÍÐLEIFSSON, G.Ó., 1983. The geology and alteration history of the Geitafell central volcano, southeast Iceland. *PhD thesis*, University of Edinburgh, 371 p.
- FRÍÐRIKSDÓTTIR, S., 1978. Fundarstaðir skelja frá síðjökultíma. *Náttúrufræðingurinn* 48 (1-2), 75-85. [finding locations in East Iceland]
- FRÍÐRIKSDÓTTIR, S., 1978. Fundarstaðir surtarbrands og annarra plöntuleifa. *Náttúrufræðingurinn* 48 (3-4), 142-156. [finding locations in East Iceland]
- FURMAN, T.H., 1989. Evolution of Icelandic central volcanoes: Evidence from the Austurhorn plutonic and Vestmannaeyjar volcanic complexes. *Ph.D. Thesis*. MIT/WHOI (WHOI-89-29).
- FURMAN, T.H., FREY, F., MEYERS, P.S., 1992. Petrogenesis of evolved basalts and rhyolites at Austurhorn, southeastern Iceland: the role of fractional crystallization. *J. Petrol.* 33, 1405-1445.
- FURMAN, T.H., MEYERS, P.S., & FREY, F., 1992. Evolution of Icelandic central volcanoes: evidence from the Austurhorn intrusion, SE Iceland. *Bulletin Volcanologique* 55, 45-62.
- GALLAGHER, C., 2012. The Geology of Berunes, Eastern Iceland. *Bachelors dissertation*, University of Edinburgh.
- GALLAGHER, C., 2013. The Álftafjörður dyke swarm. *Masters thesis*, University of Edinburgh.
- GALE, N.H., MOORBATH, S., SIMONS, J. & WALKER, G.P.L., 1966. K-Ar ages of acid intrusive rocks from Iceland. *Earth. Planet. Sci. Letters* 1, 284-288.
- GARÐARSSON, S. M., JÓNSSON, B. & ELÍASSON, J., 2005. Sediment model of Háslón Reservoir filling, taken into account Brúarjökull Glacier recede. *Poster. European Geosciences Union General Assembly 2005*, Vienna, Austria, 24 –29 April 2005.
- GARÐARSSON, S.M. & ELÍASSON, J., 2006. Influence of climate warming on Háslón reservoir sediment filling. *Nordic Hydrology* 37, 235-245.
- GARDNER, J.S., 1885. The Tertiary Basaltic Formation in Iceland. *Quarterly Journal of the Geological Society* 41, 93-101.
- GANS, P., ASKEW, R.A. & THORDARSON, T., 2015. Middle Miocene rifting and volcanic history of the Berufjörður-Breiðdalur region, eastern Iceland, revealed by 40Ar/39Ar geochronology. *AGU FALL MEETING Poster*, San Francisco, 14<sup>th</sup>-18<sup>th</sup> December 2015. Poster cancelled.
- GASSER, M., FEUCHT, C.M., THORDARSON, TH., KRISTJÁNSSON, L., HELGASON, J. & GÚSTAFSSON, L., 2018. A guidebook to the Geology of East Iceland. *Breiðdalssetur*, 130 p.
- GEIKIE, A., 1889. The History of Volcanic Action during the Tertiary Period in the British Isles. *Earth and Environmental Science Transactions of The Royal Society of Edinburgh* 35, 21-184.
- GEIKIE, A., 1896. The Tertiary basalt plateau of North Western Europe. *Quarterly Journal of the Geological Society* 52, 331-406.
- GEIRSSON, K., 2016. Brot af jarðfræði Vopnafjarðar. *Glettingur* 65-66, 66-72.



- GIBSON, I.L., 1963. *The Reydarfjörður acid volcanic centre of eastern Iceland. Unpublished Ph.D. thesis, University of London.*
- GIBSON, I. L. & WALKER, G.P.L. 1964. Some Composite Rhyolite/Basalt Lavas and Related Composite Dykes in Eastern Iceland. *Proc. Geol. Ass., London* 74, 301 -318.
- GIBSON, I.L., 1966. The crustal structure of Eastern Iceland. *Geophys. J. R. astr. Soc.* 12, 99-102.
- GIBSON, I.L., KINSMAN, D.J.J. & WALKER, G.P.L., 1966. Geology of the Fáskrúðsfjörður area, eastern Iceland. *Greinar 2, Vísindafélag Íslendinga Reykjavík*, 1-52.
- GIBSON, I.L., 1969. A comparative account of the flood basalt volcanism of the Columbia plateau and eastern Iceland. *Bulletin Volcanologique* 33, 419-437.
- GIBSON, I.L., PIPER, J. D. A. & ROBSON, D. A., 1972. Structure of the Icelandic Basalt Plateau and the process of drift source. *Philosophical Transactions of the Royal Society of London. Series A, Mathematical and Physical Sciences* 271, No. 1213, 141-150.
- GIBSON, I.L., MARRINER, G.F., MATTHEY, D.P., THOMPSON, R.N. & WOOD, D.A., 1976. Is the extrusive portion of the oceanic crust really compositionally zoned? *Bull. Soc. Géol. France* 18, 897-902.
- GIBSON, I.L., 1979. Iceland Research Drilling project, crust of oceanic affinity in Iceland. *Nature* 281, 347-351.
- GIBSON, I.L., KIRKPATRICK, R.J., EMMERMAN, R., SCHMINCKE, H.-U., PRITCHARD, G., OAKLEY, P.J., THORPE, R.S. & MARRINER, G.F., 1982. The trace element composition of the lavas and dikes from a 3-km vertical section through the lava pile of Eastern Iceland. *Journal of Geophysical Research* 87, B8, 6532-6546.
- GIBSON, I.L. & GIBBS, A.D., 1987. Accretionary volcanic processes and crustal structure of Iceland. *Tectonophysics* 133, 57-64.
- GÍSLASON, H.P., 2006: Í minningu Dr. Walkers. *Glettingur*, 16 (3), 20-22.
- GÍSLASON, S.R., OELKERS, E.H., EIRÍKSDÓTTIR, E.S., KARDJILOV, M.I., GÍSLADÓTTIR, G., SIGFUSSON, B. SNORRASON, Á., TORSSANDER, P. & ÓSKARSSON, N., 2009. Direct evidence of the feedback between climate and weathering. *Earth and Planetary Science Letters* 277, 213-222.
- GUDJOHNSEN, E.P., 1981. Snæfell og Kverkfjöll. *Áfangar* 2 (4), 6-14.
- GUÐMUNDSDÓTTIR, E.R., 2015. Tíu þúsund ára saga eldvirkni skráð í setlög Lagarins. *Presentation Haustráðstefna Jarðfræðifélag Íslands 20. Nóvember 2015, University of Iceland.*
- GUÐMUNDSSON, Á. & AÐALSTEINSSON, B., 1978. Austurlandsvirkjanir. Eyjabakkar. Jarðfræðiskýrsla. *Orkustofnun*. OS-ROD-7830.
- GUÐMUNDSSON, Á., 1983. Form and dimensions of dykes in eastern Iceland. *Tectonoph* 95, 295-307.
- GUÐMUNDSSON, Á., 1985. Samsetti gangurinn á Streytishvarfi við Breiðdalsvík. *Náttúrufræðingurinn* 5, 135-148.
- GUÐMUNDSSON, Á., 1992. Austurlandsvirkjanir. Jarðgangaleiðir frá Jökulsá á Dal til Fljótsdals. Jarðfræðirannsóknir árið 1992. Áfangaskýrsla, *Jarðtæknistofan hf.*
- GUÐMUNDSSON, Á., 1992. Jarðgangagerð til samgöngubóta á Austfjörðum. *Jarðtæknistofan hf og Orkustofnun* OS92006, unnið fyrir Vegagerð ríkisins.
- GUÐMUNDSSON, Á., 1993: Austfirðir. Jarðgangagerð til samgöngubóta. *Jarðtæknistofan hf., unnið fyrir* Vegagerð ríkisins.
- GUÐMUNDSSON, Á., 1993: Austfirðir. Vopnafjörður-Hérað. Jarðgangagerð til samgöngubóta. Jarðfræðirannsóknir árið 1993. *Jarðtæknistofan, JTS 25. Unnið fyrir* Vegagerð ríkisins nóvember 1993.
- GUÐMUNDSSON, Á. & SÆMUNDSSON, K., 1994: Austfirðir. Vopnafjörður-Hérað. Jarðgangagerð til samgöngubóta. Jarðfræðirannsóknir árið 1994. *Orkustofnun og Jarðtæknistofan* JTS 31. Unnið fyrir Vegagerð ríkisins.
- GUÐMUNDSSON, Á., 1995. Austurlandsvirkjanir. Jökulsá á Brú við Kárahnjúka. Könnun á lausum jarðlögum árið 1995. *Jarðfræðistofan/Landsvirkjun* JFS 01-1995.
- GUÐMUNDSSON, Á., 1995. Berghlaup eða urðarjökjar. Fyrsti þáttur. *Náttúrufræðingurinn* 64 (3), 177-186. [among other in Fljótsdalur and Sóleyjarbotn].
- GUÐMUNDSSON, Á., 1985. Snæfell. *Áfangar* 6 (2), 24-28.
- GUÐMUNDSSON, Á., 1996. Eyjar í jökulhafi - Smjörfjallgarður. *Múlaping* 23, 43-63.
- GUÐMUNDSSON, Á., 1996. Hafrahvamma- og Dimmugljúfur. *Glettingur* 10, 19-26.
- GUÐMUNDSSON, Á., 1998. Snjóflóðavarnir í Neskaupstað. Jarðtækni- og jarðfræðiathugun. *VST*, 97-202. (Skýrsla).
- GUÐMUNDSSON, Á., WINKLER, G., & HALLSTEINSSON, H., 1999: Geology of the Fljótsdalur and Jökuldalur area East Iceland. Geological services Report to Landsvirkjun.



- GUÐMUNDSSON, Á., 1999. Á að telja Snæfell virkt eldfjall? *Glettingur* 9, 22-26.
- GUÐMUNDSSON, Á., & HALLSTEINSSON, H., 2001. Reyðarfjörður - Fáskrúðsfjörður. Geological Report and tunneling conditions. *Jarðfræðistofan ehf*, unnið fyrir Vegagerðina.
- GUÐMUNDSSON, Á. 2005. Norðfjarðargöng. Mat á jarðfræðilegum aðstæðum til gangagerðar milli Eskifjarðar og Norðfjarðar. *Jarðfræðistofan ehf*, unnið fyrir Vegagerðina.
- GUÐMUNDSSON, Á., 2005. Vopnafjarðargöng. Mat á jarðfræðilegum aðstæðum. *Jarðfræðistofan ehf*, unnið fyrir Vegagerðina.
- GUÐMUNDSSON, Á., FRIESE, N., ANDREW, R., PHILIPP, S.L., ERTL, G. & LETOURNEUR, L., 2009. Effects of dike emplacement and plate pull on mechanical interaction between volcanic systems and central volcanoes in Iceland. From T.THORDARSON, S.SELF, G. LARSEN, S.K. ROWALD and Á. HÖSKULDSSON (eds): *Studies in Volcanology: The Legacy of George Walker*. Special Publications of IAVCEI No. 2, 331-347. Geological Society London.
- GUÐMUNDSSON, Á., 2011. Aldursgreining skelja við Selfjót. *Glettingur* 55-56, 15-19.
- GUÐMUNDSSON, Á., 2012. Norðfjarðargöng. Jarðfræðilegar aðstæður til gangagerðar milli Eskifjarðar og Norðfjarðar. *Jarðfræðistofan*, unnið fyrir Vegagerðina.
- GUÐMUNDSSON, A.T., 1993. Jökla skiptir skapi.- Náttfr. 62(3-4): 220-224. [Pictures of maximum and minimum flow in Jökulsá á Brú við Brú í Jökuldal].
- GUÐMUNDSSON, A.T., 2005. Fjallrisinn Örafajökull. *Glettingur* 15 (2-3), 69-70.
- GUÐMUNDSSON, A.T., 2015. Living Earth: Outline of the Geology of Iceland. *Mál og Menning*, 408 p.
- GUÐMUNDSSON, A.T., 2015. Lebende Erde. Facetten der Geologie Islands. *Mál og Menning*, 408 p.
- GUÐMUNDSSON, H., 2008. Jarðgöng á Miðausturlandi: Forathugun á heilborun jarðganga frá Eskifirði til Héraðs. *Línuhönnun Verkfræðistofa*, unnið fyrir Seyðisfjarðarkaupstað, Fjarðarbyggð, Fljótsdalshérað og Vegagerðina.
- GUÐMUNDSSON, M.T., HÖGNADÓTTIR, TH. & BJÖRNSSON, H., 1996. Brúarjökull; Framhlaupið 1963–1964 og áhrif þess á rennsli Jökulsár á Brú. *Raunvísindastofnun Háskólans*.
- GUÐMUNDSSON, S., BJÖRNSSON, H., PÁLSSON, F. & HARALDSSON, H.H., 2005. Energy balance of Brúarjökull during the period of August 2004 floods in Jökla. *Raunvísindastofnun Háskólans*. RH-03-2005.
- GUÐMUNDSSON, S, BJÖRNSSON, H., PÁLSSON, F. & HARALDSSON, H.H., 2006. Energy balance of Brúarjökull and circumstances leading to the August 2004 floods in the river Jökla, N-Vatnajökull. *Jökull* 55, 121-138.
- GUILLOU, H., VAN VLIET-LANOË, B., GUÐMUNDSSON, Á. & NOMADE, S., 2010. New unspiked K-Ar ages of Quaternary sub-glacial and sub-aerial volcanic activity in Iceland. *Ecole Thématique – CNRS – Spring school. Iceland in the northern atlantic IUEM Plouzané, FRANCE 11-14 Mai 2010*.
- GUNNARSSON, B. & SIGURDSSON, F., 1982. Titanríkar steindir í gabbrói úr Hvalnesfjalli í Lóni og Meðalfelli í Nesjum. *Orkustofnun Report OS82094/VOD15*.
- GUNNARSSON, S. B., 2002. Af hlandkollum, kílum og fleiri örnefnum. *Glettingur* 12, 34-34. [Um skessukatlamyndun á Geitagerðisbjargi í Fljótsdal o.fl.]
- GUPPY, E.M. & HAWKES, L., 1925. A composite dyke from eastern Iceland. *Quart. J. Geol. Soc. Lond.* 81, 325-41.
- GÚSTAFSSON, L.E., LAPP, M. & THOMAS, L., 1989. Tertiary silicic rocks in the area of the Kækjuskörð rhyolitic volcano, Eastern Iceland. *Jökull* 39, 75-89.
- GÚSTAFSSON, L.E., 1992. Geology and Petrography of the Dyrfjöll Central Volcano, Eastern Iceland. *Berliner Geowissenschaftliche Abhandlungen* 138, p. 98.
- GÚSTAFSSON, L.E., 2011. Ágrip af jarðsögu Borgarfjarðar og Loðmundarfjarðar, *Glettingur* 55, 6-14.
- GUTTORMSSON, H., 1972. Baggalútar eða hreðjasteinar. *Týli* 2, 69-71.
- GUTTORMSSON, H. 1974. Austfjarðafjöll. *Árbók Férðafélag Íslands*, FÍ.
- GUTTORMSSON, H., 1988. Uppstreymi í Lagarfljóti á mýragasi. *Austurland*, 7. apríl.
- GUTTORMSSON, H., 1993. Við rætur Vatnajökuls. *Árbók F.Í.* 1993. 288 p.
- GUTTORMSSON, H., 1994. Náttúruperlur við Fáskrúðsfjörð. *Snæfell* 14 (1), 18-20.
- GUTTORMSSON, H., 1998. Við norðaustanverðan Vatnajökul. *Glettingur* 8 (2/3), 9-20.
- GUTTORMSSON, H. 2002. Austfirðir, frá Álftafirði til Fáskrúðsfjarðar. *Árbók Férðafélag Íslands*, FÍ.
- GUTTORMSSON, H. 2005. Austfirðir, frá Reyðarfirði til Seyðisfjarðar. *Árbók Férðafélag Íslands*, FÍ.
- GUTTORMSSON, H. 2008. Úthérað ásamt Borgarfirði eystra, Vikum og Loðmundarfirði. *Árbók Férðafélag Íslands*, FÍ.



- GUTTORMSSON, H. 2013. Norðausturland, Vopnafjörður, Strönd, Langanes, Pistilfjörður, Slétta, Núpasveit, Öxarfjörður og Hólsfjöll. *Árbók Férðafélags Íslands*, FÍ.
- HAGALÍN, G. G., 1970. Mjög þarf nú að mörgu að hyggja. In "Eldur er bestur. Saga Helga Hermanns Eiríkssonar". Reykjavík 1970, 144-171. [Helgustaðir quarry and Iceland spar]
- HAIMSON, B.C. & RUMMEL, F., 1982. Hydrofracturing Stress Measurements in the Iceland Research Drilling Project Drill Hole at Reyðarfjörður, Iceland. *Journal of Geophysical Research* 87, 6631-6649.
- HALL, J.M., WALLS, C. & HALL, S.L., 1982. On inclined Features in the Iceland Research Drilling Project Core. *Journal of Geophysical Research* 87, 6605-6618.
- HALL, J.M., 1985. The Iceland Research Drilling Project crustal section: variation of magnetic properties with depth in Icelandic-type oceanic crust. *Canadian Journal of Earth Sciences* 22, 85-101.
- HALLDÓRSDÓTTIR, S. & GAUTASON, B., 2013. Eskið fjörður. Yfirlit um jarðhitakerfið og vinnsluögu hitaveitunnar frá 2005–2012 ásamt framtíðarspám. *Íslenskar orkurannsóknir*, unnið fyrir Vegagerðina, ÍSOR-2013/023.
- HALLDÓRSSON, Á., 1979. Njarðvíkurskriður. Í *Nedra og efra. Rv.*, 9-71.
- HALLGRÍMSSON, H., 1982. Undrin í Lagarfljóti. Er Lagarfljótsormurinn gufa? *Týli* 12, 13-21.
- HALLGRÍMSSON, H., 1985. Trjábolaholur í Geitagerðisbjargi, Fljótsdal. *Týli* 15 (1-2), 47-48.
- HALLGRÍMSSON, H., 1988. Gasið í Lagarfljóti (from nátt. og minjum á Austurl. III). *Austri* 14, 7.
- HALLGRÍMSSON, H., 1994. "Munu þau verksummerki sjást meðan heimur byggist." Um Haugahóla í Skriðdal og Skriðuvatn. *Snæfell* 14 (2), 28-31.
- HALLGRÍMSSON, H., 1996. Jónas Hallgrímsson skoðar surtarbrand í Fljótsdal.- Austri, jólablað 1988, bls. 16-17.
- HALLGRÍMSSON, H., 2000. Ókennileg himinflug. *Glettingur* 22, 17-20.
- HALLGRÍMSSON, H., 2001. Gengið með Gljúfrunum miklu. Brochure, 32 p, Egilsstaðir.
- HALLGRÍMSSON, H., 2001. Berghlaup eða bergsil, hvernig eru Hallormsstaðahólar til orðnir. *Glettingur* 26, 6-11.
- HALLGRÍMSSON, H., 2001. Gljúfrin miklu og Kárahnjúkar. *Glettingur* 27-28, 6-15.
- HALLGRÍMSSON, H., 2003. Furðulegt náttúrufyribæri í Borgarfirði eystra. *Glettingur* 34, 33-36.
- HALLGRÍMSSON, H., 2004. Silfurbergið og náman á Helgustöðum. *Glettingur* 36, 13-23.
- HALLGRÍMSSON, H., 2004. Skriðuföll í Fljótsdal. *Múlaping* 31, 42-54.
- HALLGRÍMSSON, H., 2004. Blábjörg - eitt af undrum Íslands. *Glettingur* 14 (2), 45-46.
- HALLGRÍMSSON, H., 2005. Töfrafoss og Sauðárfoss. *Glettingur* 15 (1), 26-31.
- HALLGRÍMSSON, H., 2005. Lagarfljót: Mesta vatnsfall Íslands. Reykjavík. *Skrudda ehf.*
- HALLGRÍMSSON, H., 2006. Dvergasteinn í Seyðisfirði. *Glettingur* 16, 34-36.
- HALLGRÍMSSON, H., 2009. Steingervingar í jaspis í Breiðdal. *Glettingur* 50, 36-37.
- HALLGRÍMSSON, J., (skáld), 1934. Geologisk Dagbog, Sommeren 1842.- Rit III: 246-260 [Several information about East Iceland].
- HALLSDÓTTIR, M., 1982. Frjógreining tveggja jarðvegssniða úr Hrafnkeldal. *Eldur í norðri. Afmælisrit Sig. Þór.*, 253-265.
- HANAN, B.B. & SCHILLING, J.-G., 1986. The source origin of Iceland basalt volcanism: Pb-isotopes in the eastern Iceland Tertiary section. *Eos* 67, p. 409.
- HANAN, B.B. & SCHILLING, J.-G., 1987. Pb isotope evolution of the Iceland plume. *Eos* 68, p. 437.
- HARALDSSON, H. & BJÖRNSSON, S., 1984. Jarðfræðirannsóknir á Austfjörðum vegna jarðgangahugmynda. *Vegagerð ríkisins*.
- HARDS, V.L., 1995. The evolution of the Snæfell volcanic centre, Eastern Iceland. *Durham thesis*, Durham University. Available online: <http://etheses.dur.ac.uk/1452/>
- HARDS, V.L. & KEMPTON, P.D., THOMPSON, R.N. & GREENWOOD, P.B., 2000. The magmatic evolution of the Snæfell volcanic centre; an example of volcanism during incipient rifting in Iceland. *Journal of Volcanology and Geothermal Research*, 97-121.
- HARÐARDÓTTIR, J., GEIRSDÓTTIR, Á. & JÓNSDÓTTIR, H.E., 2001a. Sethjallar sunnan Kárahnjúka. *Orkustofnun OS-2001/006*.
- HARÐARDÓTTIR, J., GEIRSDÓTTIR, Á. & JÓNSDÓTTIR, H.E., 2001b. Sethjallar sunnan Kárahnjúka. *Glettingur* 27-28, 37-40.
- HARÐARDÓTTIR, V., 2013. Hitaveita Egilsstaða og Fella. Efnaeftirlit með vinnslu árin 2011–2013. *Íslenskar orkurannsóknir*, unnið fyrir Hitaveitu Egilsstaða og Fella, ÍSOR-2013/053.





- HARÐARSON, B.S., FITTON, J.G. & HJARTARSON, Á. 2008. Tertiary volcanism in Iceland. *Jökull* 58, 161-178
- HATTORI, K. & MUEHLENBACHS, K., 1982. Oxygen Isotope Ratios of the Icelandic Crust. *Journal of Geophysical Research* 87, 6559-6565.
- HAWKES, L., 1916a. The building up of the North Atlantic Tertiary volcanic plateau. *Geol. Mag.* 3, 385-395.
- HAWKES, L., 1916b. On tridymite and quartz after tridymite in Icelandic rocks. *Geol. Mag.*, 3, 205-209.
- HAWKES, L., 1917. A remarkable rock stream in East Iceland. *Geological Magazine, N.S.*, Decade VI, 4, 97-102.
- HAWKES, L., 1924. Olivine-dacite in the Tertiary volcanic series of eastern Iceland: the Rauðaskriða. *Quart. J. Geol. Soc. London* 80, 549-567.
- HAWKES, L., 1929. On a partially fused quartz-felspar rock, and on glomero-granular texture. *Miner. Mag.* 22, 163-73.
- HAWKES, L. & HARWOOD, H.F., 1932. On the changed composition of an anorthoclase-bearing rock-glass. *Miner. Mag.* 23, 163-74.
- HAWKES, L. & HAWKES, H.K., 1933. The Sandfell Laccolith and "dome of elevation". *Quart. J. Geol. Soc. London* 89, 379-400.
- HELGASON, Á., 1996. Austasti höfði landsins. Gerpir og Vaðlavík. *Glettingur*, 6 (3), 13-18. [Reprint from "Samvinnan" 39 (4), 1945].
- HELGASON, J., 1982. Magnetostratigraphy of the Exposed Lava Section East of the IRDP Drill Hole in Reyðarfjörður, Eastern Iceland. *Journal of Geophysical Research* 87, 6396-6404.
- HELGASON, J. & ZENTILLI, M., 1982. Stratigraphy and Correlation of the Region Surrounding the IRDP Drill Hole 1978, Reyðarfjörður, Eastern Iceland. *Journal of Geophysical Research* 87, 6405-6417.
- HELGASON, J., 1983. Structural relationships and magnetostratigraphy of the volcanic succession and the Breiddalur dyke swarm in Reyðarfjörður, Eastern Iceland. PhD thesis, Dalhousie University, 260 p.
- HELGASON, J., 1984. Frequent shifts of the volcanic zone in Iceland. *Geology* 12 (4), 212-216.
- HELGASON, J. & ZENTILLI, M., 1985. Field characteristics of laterally emplaced dikes: Anatomy of an exhumed Miocene dike swarm, in Reyðarfjörður, Eastern Iceland. *Tectonophysics* 115, 247-249.
- HELGASON, J., 1987. Jarðfræðirannsóknir á vatnasviði Jökulsár á Fjöllum við Möðudal. *Orkustofnun* OS-87005.
- HELGASON, J., 1990. Brúardalur – Fiskidalsháls, Jarðfræðikort (Geological Map). *Landsvirkjun*.
- HELGASON, J., 1999. Fljótsdalsvirkjun. Sauðár- og Hraunaveitur: Jarðlagaskipan á veitusvæði austan Jökulsár. Áfangaskýrsla. *Jarðfræðistofan Ekran, Reykjavík*.
- HELGASON, J., DUNCAN, R.A. & GUÐMUNDSSON, Á., 2003. Aldur bergmyndana við Kárahnjúka og síðustu eldgos þar. *Ágrip erinda og veggspjalda, Jarðfræðafélag Íslands*, 40–41.
- HELLAND, A. 1882a. Om Islands geologi. *Geografisk Tidsskrift* 6, 71-83 and 103-111.
- HELLAND, A. 1882b. Om Islands jokler og om jokelevenes vandmængde og slamgehalt. *Archiv for Mathematik og Naturvidenskab* 7, 200-232.
- HERRERO-BERVERA, E., WALKER, G.P.L., HARRISON, C.G.A. & GUERRERO GARCIA, J.C., 1996. Reversal records from Eastern Icelandic lava flows and their geodynamic significance. *Survey in Geophysics* 17, 197-206.
- HERRERO-BERVERA, E., WALKER, G.P.L., HARRISON, C.G.A., GUERRERO GARCIA, J.C. & KRISTJÁNSSON, L., 1999. Detailed paleomagnetic study of two volcanic polarity transitions recorded in eastern Iceland. *Physics of the Earth and Planetary Interiors*. 115, 119-135.
- HJARTARSON, Á., SIGURÐSSON, F. & HAFSTAÐ, TH.H., 1978. Vatnabúskapur Austurlands. Skýrsla 1 forkönnun, unnin fyrir Samband sveitarfélaga í Austurlandskjördæmi, Vopnafjörður, Hlíðarhreppur, Skeggjastaðahreppur, Jökuldalshreppur, Fljótsdalshérað, Borgarfjörður eystri, Seyðisfjörður, Norðfjörður, Eskifjörður, Reyðarfjörður, Fáskrúðsfjörður, Stöðvarfjörður, Breiddalur, Djúpvogur, Berufjörður, Höfn í Hornafirði. *Orkustofnun* OS-JKD-7804.
- HJARTARSON, Á., 1982. Berghlaup á Íslandi. *Týli* 12 (1): 1-6 [with maps of rock slides in East Iceland].
- HJARTARSON, Á., 1990. "Þá hljóp ofan fjallið allt." Framhlaup í Skriðdal á landnámsöld. *Náttúrufræðingurinn* 60 (2), 81-91. [Slump from Hallbjarnastaðatindur].
- HJARTARSON, Á., 1995. Jarðrask í Nesfjalli við Norðfjörð. *Eyjar í eldhafi. Afmælisrit Jóns Jónssonar jarðfr.* 49-52.
- HJARTARSON, Á., 1997. Loðmundarskriður. *Náttúrufræðingurinn* 67 (2), 97-103.
- HJARTARSON, Á. & HAFSTAÐ, Þ.H., 1997. Sviðinhornahraun. Berggrunnsrannsóknir og kort. *Orkustofnun*, OS-97016.
- HJARTARSON, Á & VILMUNDARDÓTTIR, E.G., 1998. Vesturöræfi – Hraun, Samræming jarðfræðikorta á Austurlandi. *Orkustofnun*, OS-98027.



- HJARTARSON, Á., 2000. Leynardardómar Snæfellsjökla. Kortlagning og stærðarmæling. ÁH 2000/09. *Orkustofnun*, 4 bls. og kort af Snæfelli í mkv. 1:20'000.
- HJARTARSON, Á., 2000. Snæfell og nágrenni. Skýringar með jarðfræðikorti. *Orkustofnun*. OS2000/061.
- HJARTARSON, Á., 2002. Jökla Snæfells. *Glettingur* 31, 29-33.
- HJARTARSON, Á. 2006. Neysluvatnsöflun á Austurlandi. *Ársfundur ÍSOR 2006*. <http://www.isor.is/arsfundur-isor-2006-jardfraedi-og-jardhiti-austurlandi>
- HJARTARSON, Á., 2007. Hauksstaða- og Giljahólar á Jökuldal. *Glettingur* 45-46, 13-15.
- HJARTARSON, Á., 2009. Central volcanoes as indicators for the spreading rate in Iceland. From T.THORDARSON, S.SELF, G. LARSEN, S.K. ROWALD and Á. HÖSKULDSSON (eds): *Studies in Volcanology: the Legacy of George Walker*. Special Publications of IAVCEI No. 2, 323-330. Geological Society London.
- HJARTARSON, Á., 2012. Jarðhitalíkur við Hoffell og Miðfell í Nesjum. Rýnt í rannsóknargögn. *Íslenskar orkurannsóknir*, unnið fyrir Rarik, ÍSOR-2012/002.
- HJARTARSON, Á., 2012. Alfred Wegener og samskipti hans við Íslendinga. *Náttúrufræðingurinn* 82, 127-134.
- HJELM, K., 1991. Steinar og menn. *Glettingur* 1 (2), 7-10.
- HJULSTRÖM, F., 1955. The ground water. The Hoffellssandur, part II. *Geograf. Annaler* 1955, 235-245.
- HOFFELL, G.J., 1946. Skaftfellskar þjóðsögur og sagnir ásamt sjálfævisögu höfundar. Marteinn Skaftfells gaf út, Þórsteinn M. Jónsson, Akureyri 346 p.
- HOFMANN, B.A. & FARMER, J.D., 2000. Filamentous fabrics in low-temperature mineral assemblages: are they fossil biomarkers? Implications for the search for a subsurface fossil record on early Earth and Mars. *Planetary and Space Science* 48, 1077-1086.
- HOFMANN, B.A., FARMER, J.D., VON BLANCKENBURG, F. & FALLICK, A.E., 2008. Subsurface Filamentous Fabrics: An Evaluation of Origins Based on Morphological and Geochemical Criteria, with Implications for Exopaleontology. *Astrobiology* 8, 87-117.
- HÓLM, G., 2001. Silfurbergsnáman við Helgustaði. *Sjómannadagsblað Austurlands* 2001, 18.
- HOLMES, A., 1916. The basaltic rocks of the Arctic region. *Miner. Mag.* 18, 180-223.
- HOPPE, G., 1995. Brúarjökull. í þýðingu Sigurðar Blöndal. *Glettingur* 5, 38-41.
- HÖSKULDSSON, Á., ÓSKARSSON, N. & IMSLAND, P., 1996. Snæfell, ágríp af jarðfræði og kvikuþróun. *Vorráðstefna 1996: ágríp erinda: Reykjavík, Jarðfræðifélag Íslands*.
- HÖSKULDSSON, Á. & IMSLAND, P., 1998. Snæfell: eldfjall á gosbelti framtíðar. *Glettingur* 17-18, 22-30.
- HÖSKULDSSON, Á., 2003. Túfflag á fyrirhuguðu lónstæði Háslóns. Flikruberger eða móberg við Lindur. *Náttúrufræðistofnun Íslands* NI-03008.
- IMSLAND, P., 1988. Prófessor G.P.L. Walker á Hawaii sæmdur heiðursdoktorstitli við Háskóla Íslands, og nokkur orð um jarðfræðirannsóknir á Íslandi. *Náttúrufræðingurinn* 58 (4), 199-211.
- IMSLAND, P., 1992. Sögur af Hellnaskeri.[Hornafirði]. *Skaftfellingur* 8, 130-139.
- IMSLAND, P., 1991. Ferlin í kvikuhólfum - Kristöllumarþróun. *Náttúrufræðingurinn* 61(1), 56. [Vestra-Horn]
- IMSLAND, P., 1998. Hólf og hleifar. Nýfundnið díorít-innskot í Sævarhólaklettum. *Kvískerjabók, Höfn*, 148-163.
- IMSLAND, P., 2005: Örafajökull. - *Glettingur* 15 (2-3): 59-60.
- ÍSÁKSSON, Á., 1989. Orkulindin í Lagarfljóti. *Galgopi. Skólalæsi M.E.*, 1 (1).
- IVESON, A., 2012. The geology of Streitishvarf. *Bachelor Dissertation, University of Edinburgh*.
- JAKÓBSSON, S.P., 1977. Íslenzkir Zeolítar (Geislasteinar). *Árbók Ferðafélags Ísland* 1977, 190-201.
- JAKÓBSSON, S.P., 1979. Petrology of Recent Basalts of Eastern Volcanic Zone, Iceland. *Acta nat. isl.* 26, 103 p.
- JAKÓBSSON, S.P., 1985. Íslenskar bergtegundir IV. Basaltískt íslandít og íslandít. *Náttúrufræðingurinn* 54 (2), 77-84.
- JAKÓBSSON, S.P., & FRÍÐLEIFSSON, G.Ó., 1986. Det första fund af naturlig asfalt i Island. In "17e Nordiska Geologmötet, Helsingfors". Abstracts, p 61.
- JAKÓBSSON, S.P., 1990. Aragonít frá Hólsvör, Stöðvarfirði. *Náttúrufræðingurinn* 60(1),1-5.
- JAKÓBSSON, S.P., & FRÍÐLEIFSSON, G.Ó., 1990. Jarðbik í holufyllingum í Skyndidal, Lóni. *Náttfræðingurinn* 59(4), 169-188.
- JAKÓBSSON, S.P., JÓNASSON, K. & SIGURÐSSON, I.A., 2008. The three igneous rock types of Iceland. *Jökull* 58, 117-138.
- JANCIN, M., YOUNG, K.D., VOIGHT, B., ARONSSON, J.L. & SÆMUNDSSON, K., 1985. Stratigraphy and K/Ar ages across the west flank of the northeast Iceland axial rift zone, in relation to the 7 Ma volcano-tectonic reorganization of Iceland. *Journal of Geophysical Research* 90, 9961-9985.



- JANKOVIC, S., 1970. Frumleit að hagnýtum jarðefnum á Íslandi (report). *Rannsóknaráð Ríkisins, Reykjavík.*
- JANKOVIC, S., 1970. Reconnaissance Prospection for Base-Metal Mineralization in Southeastern Iceland. *Rannsóknaráð Ríkisins, Reykjavík.*
- JENNINGS, J.N., 1938. Snæfell, East Iceland. *Department of Geography, University College, Leicester.*
- JENNINGS, J.N., 1952. Snæfell, East Iceland. *Journal of Glaciology* 2, 133-137.
- JÓHANNESSON, H. &, SÆMUNDSSON, K., 1999. Geological map of Iceland 1:500'000. Bedrock Geology. *Icelandic Institute of Natural History (Náttúrufræðistofnun).*
- JÓHANNESSON, H. &, SÆMUNDSSON, K., 1999. Geological map of Iceland 1:500'000. Tectonics. *Icelandic Institute of Natural History (Náttúrufræðistofnun).*
- JÓHANNESSON, H. & SIGURÐARSON, S., 2005: Coastal erosion and coastal protection near the bridge across Jökulsá river, Breiðamerkursandur, Iceland. *Second international coastal symposium in Iceland, ICECOAST. Höfn í Hornafirði* 5. – 8. júní 2005.
- JÓHANNESSON, H., 2006. Jarðfræði og jarðhiti á Austurlandi. *Ársfundur ÍSOR 2006.*  
<http://www.isor.is/arsfundur-isor-2006-jardfraedi-og-jardhiti-austurlandi>
- JÓHANNESSON, H., HAUKSDÓTTIR, S. &, SÆMUNDSSON, K., 2008. Jarðhiti við Kárahnjúka og í nágrenni. *ÍSOR and Landsvirkjun.*
- JÓHANNSDÓTTIR, A.S., FEUCHT, C.M. & GASSER, M., 2017. Norðfjarðargöng. *Jarðfræði Austurlands og Walker í 60 ár (1957-2017), Glettingur* 68, 11-15.
- JOHNSON, R.W., 1968. Granophyre stock in Southeast Iceland and the distribution of epidote around it. *Science in Iclenad, Anniversary volume*, 55-59.
- JÓNASDÓTTIR, H.J., 2004. Loðmundarskriður: forsögulegt bergflóð í Loðmundarfirði. *BS-ritgerð, Háskóli Íslands.*
- JÓNASSON, B., 1948. Gengið á Snæfell. *Gerpir* 2 (12), 22-28.
- JÓNSSON, G. & STEFÁNSSON, V., 1982. Density and Porosity in the IRDP Hole, Iceland. *Journal of Geophysical Research* 87, 6619-6630.
- JÓNSSON, G., 2013. Steingervingurinn úr Þuríðargili. *Glettingur* 30, 16-19.
- JÓNSSON, J., 1952. Forn þursabergslög í Hornafirði. *Náttúrufræðingurinn* 22 (4), 184-190.
- JÓNSSON, J., 1954. Outline of the geology of Hornafjörður region. The Hoffellssandur I. *Geogr. Ann.* 36, 146-161.
- JÓNSSON, J., 1955. Tillite in the basalt formation in East Iceland. *Geogr. Ann. Stockh.* 37, 170-175.
- JÓNSSON, J., 1957. Notes on changes of sea-level in Iceland. The Hoffellssandur, part III. *Geogr. Ann* 39, 143-212.
- JÓNSSON, J., 1978. Surtarbrandslögin við Borgarstúf, Hornafirði. *Náttúrufræðingurinn* 48 (3-4), 192-195.
- JÓNSSON, J., 1979. Jökulbergslagið í Grænafell. *Týli* 9 (1), 15-16.
- JÓNSSON, J., 1988: Hestgerðismúli í Suðursveit. *Náttúrufræðingurinn* 58, 87-96.
- JÓNSSON, J., 1991. Dvergasteinar. *Náttúrufræðingurinn* 60(3), 161-162.
- JÓNSSON, J., 1995. Sandur-Sandar. Nokkrar athuganir....Rannsóknast. Neðri-Ás, Hveragerði. Skýrsla nr.52. [On sand in East Iceland as well]
- JÓNSSON, S., 2009. Slope creep in East Iceland observed by satellite radar interferometry. *Jökull* 59, 89-102.
- JÓNSSON, S.A., 2015. Myndun jökulalda og jökulnarsaga Fláajökuls á nútíma. *Presentation Haustráðstefna Jarðfræðifélag Íslands* 20. Nóvember 2015, University of Iceland.
- JÓNSSON, S.S., 1988. Helgustaðanáma. *Steinn- Blað félags áhugamanna um steinafræði* 1, 6-7/20.
- JÓNSSON, S.S., 2013. Norðfjarðargöngu. Leit að erioníti í flikrubergi úr kjarnaholum NF-2 og NF-7. *Íslenskar orkurannsóknir, unnið fyrir Vegagerðina, ÍSOR-2013/049.*
- JUX, U., 1960. Zur Geologie des Vopnafjord-Gebietes in Nordost-Island. *Geologie* 9, 1-57.
- KALDAL, I., 1992. Austurlandsvirkjun – Arnardalsmiðlun. Jarðgrunnur og byggingar-efnisleit. *Orkustofnun, greinargerð. IK-92/01.*
- KALDAL, I., 1993. Austurlandsvirkjun – Arnardalsmiðlun. Jarðgrunnur og byggingarefnisleit 1993. *Orkustofnun, greinargerð. IK-93/01.*
- KALDAL, I. & VÍKINGSSON, S., 2000. Jarðgrunnskort af Eyjabökkum. *Orkustofnun, unnið fyrir Landsvirkjun, OS-2000/068.*
- KALDAL, I., VÍKINGSSON, S. & SIGURÐSSON, O., 2001. Framhlaup Brúarjökuls á sögulegum tíma. *Glettingur* 27-28, 26–30.
- KALDAL, I. & VÍKINGSSON, S., 2001. Saga jökulhörfunar og forns jökullóns sunnan Kárahnjúka. *Glettingur* 27-28, 31–36.



- KING, C.A.M. & IVES, J.D., 1955. Glaciological observations on some of the outlet glaciers of south-west Vatnajökull, Iceland. Pt. 1. Glacier Regime. *Journal of Glaciology* 2 (18), 563-569.
- KISSEL, C., LAJ, C., SIGURDSSON, H. & GUILLOU, H., 2010. Emplacement of magma in Eastern Iceland dikes: Insights from magnetic fabric and rock magnetic analyses. *Journ. of Volcanology and Geothermal Research* 191, 79-92.
- KITAGAWA, H., 2006. Petrological and geochemical study of the Icelandic Tertiary lavas: Implications for the evolution of Iceland mantle plume. *The Graduate School of Natural Science and Technology (doctor course), Okayama University*. 213 p.
- KITAGAWA, H., KOBAYASHI, K., MAKISHIMA, A. & NAKAMURA, E., 2008. Multiple Pulses of the Mantle Plume: Evidence from Tertiary Icelandic Lavas. *Journal of Petrology* 49(7), 1365-1396.
- KJARTANSSON, G., 1956. Úr sögu bergs og landslags. Náttúrufræðingurinn 26 (3), 113-130. [a.o. about the East]
- KJÆR, K.H., LARSEN, E., VAN DER MEER, J. INGÓLFSSON, Ó, KRUGER, J., BENEDIKTSSON, Í.Ö, KNUDSEN, C.G. & SCHOMACKER, A., 2006. Subglacial decoupling at the sediment/bedrock interface: a new mechanism for rapid flowing ice". *Quaternary Science Reviews* 25, 2704-2712.
- KJÆR, K.H., KORSGAARD, N.J. & SCHOMACKER, A., 2008. Impact of multiple glacier surges - a geomorphological map from Brúarjökull, East Iceland. *Journal of Maps* 2008, 5-20.
- KJARTANSSON, G., 1957. Frá Jökulsárlóni á Breiðamerkursandi. *Náttúrufræðingurinn* 27(2), 62-67.
- KJARTANSSON, G., 1962. Jökulminjar á Hálsun, milli Berufjarðar og Hamarsfjarðar. *Náttúrufræðingurinn* 32(2), 83-92.
- KJERÚLF, O., 1962. Vatnajökull hlaupinn (Brúarjökull 1980). *Jökull*. 12, 47-48.
- KNUDSEN, Ó., 1995. Concertina eskers, Brúarjökull, Iceland: an indicator of surge-type glacier behaviour. *Quaternary Science Reviews* 14, 487-493.
- KNUDSEN, Ó., 1998. Eskers at surging margins og Vatnajökull ice cap; examples from the outlet glaciers Brúarjökull og Tungnaárjökull. Summary in: *Glacial Debris Transport and Deposition: Processes and Products. Joint IGS British Branch, QRA, BGRG and BSRG Meeting. School of Geography, University of Leeds.*
- KNUDSEN, Ó. & MARREN, P.M., 2000. Sedimentation into a volcanically-dammed glacial tunnel valley south of Kárahnjúkar, Jökulsá á Dal. *Landsvirkjun*.
- KNUDSEN, Ó. & MARREN, P.M., 2002. Sedimentation in a volcanically dammed valley, Brúarjökull, northeast Iceland. *Quart. Science Rev.* 21, 1677-1692.
- KOWALLIS, B.J., ROELOFFS, E.A. & WANG, H.F., 1982. Microcrack studies of basalts from the Iceland Research Drilling Project (IRDP). *Journal of Geophysical Research* 87, 6650-6656.
- KRISTINSSON, S.G, HELGADÓTTIR, H.M., STEFÁNSSON, H.Ö., TRYGGVASON, H. & ÓLAFSSON, M., 2013. Borun holu HF-1 við Hoffell í Nesjum. Borsaga, jarðfræði og afkastamat. *Íslenskar orkurannsóknir, unnið fyrir Rarik, ÍSOR-2013/030.*
- KRISTJÁNSSON, B., 1929. Um málma á Íslandi. *Vaka* 3, 36-69. [About SE Iceland]
- KRISTJÁNSSON, L., 1976. Nýjar aldursgreiningar á íslenskum hraunlögum. *Týli* 6 (1), 39-40.
- KRISTJÁNSSON, L., 1983. Enn um Lagarfljótsundrin. Efnagreiningar á gasinu o.fl. *Týli* 13 (1), 19-22.
- KRISTJÁNSSON, L. & KRISTJÁNSSON, K.P., 1996. Amund Helland og ferð hans til Íslands 1881. *Náttúrufræðingurinn*, 66 (1), 27-33 [Helland skoðaði m.a. Helgustaðanámuna].
- KRISTJÁNSSON, L., & GUÐMUNDSSON, M., T., 1991. Leonard Hawkes. Aldarminning. *Náttúrufræðingurinn* 60, 169-177.
- KRISTJÁNSSON, L., 1991. Saga hugmynda um aldur Íslands. *Jökull* 42, 45-64.
- KRISTJÁNSSON, L., GUÐMUNDSSON, A. & HARALDSSON, H., 1995. Stratigraphy and paleomagnetism of a 3-km thick Miocene lava pile in the Mjoiðfjörður area, eastern Iceland. *Geologische Rundschau* 84, 813-830.
- KRISTJÁNSSON, L., 1995. Rannsóknir nokkurra breskra jarðfræðinga seint á nítjándu öld og tengsl þeirra við Ísland. In: *Eyjar í eldhafi* p.173-178. Gott mál Reykjavík.
- KRISTJÁNSSON, L., 2001. Upphaf smásjarrannsókna á þunnisneiðum af bergi, og nokkur tengsl þess við Ísland. *Jökull* 48, 55-61.
- KRISTJÁNSSON, L., 2001. Silfurberg: Einstæð saga kristallanna frá Helgustöðum. *Jökull* 50, 95-108.
- KRISTJÁNSSON, L., 2002. Um silfurberg frá Helgustöðum og þróun vísinda. *Glettingur* 12, 35-39.
- KRISTJÁNSSON, L., 2002. Iceland spar: The Helgustaðir calcite locality and its influence on the development of science. *Journal of Geoscience Education* 50, 419-427.
- KRISTJÁNSSON, L., 2002. Um Silfurberg frá Helgustöðum og þróun vísinda. *Glettingur* 31, 35-39.





- KRISTJÁNSSON, L., 2003. A little-known history of Helgustaðir: Type locality of Iceland spar. *Matrix. A Journal of History of Minerals* 11, 95-107.
- KRISTJÁNSSON, L. & GUÐMUNDSSON, Á., 2005. Stratigraphy and paleomagnetism of lava sequences in the Suðurdalur area, Fljótsdalur, Eastern Iceland. *Jökull* 55, 17-32.
- KRISTJÁNSSON, L., 2005. George P.L. Walker and his research in Eastern Iceland. *Jökull* 55, 147-154.
- [KRISTJÁNSSON, L., 2006. Safn til steinasögu Íslands I-IV. Jarðvísindastofnun Háskólans.](#)
- KRISTJÁNSSON, L., 2007. Silfurberg: Skýrsla um áhrif þess í raunvísindum. Önnur útgáfa fjölrítaðrar skýrslu RH-19-2007, "Silfurberg og þáttur þess í þróun raunvísinda og ýmissar tækni, einkum á 19. öld: minnisblöð og heimildaskrá", 384 p.
- KRISTJÁNSSON, L., 2007. Úr sögu silfurbergsins. *Náttúrufræðingurinn* 76, 37-48.
- KRISTJÁNSSON, L., 2008. Paleomagnetic research on Icelandic Lava flows. *Jökull* 58, 101-116.
- KRISTJÁNSSON, L., 2010. Iceland spar and its influence on the development of science & Technology in the period 1780-1930. Notes and References.
- KRISTJÁNSSON, L., 2015. Iceland spar and its influence on the development of science & technology in the period 1780 – 1930: Notes and references. *Institute of Earth Sciences. Science Institute. University of Iceland*. Fourth edition, September 2015.
- KRISTMANNSDÓTTIR, H., 1982. Alteration in the IRDP drill hole compared with other drill holes in Iceland. *Journal of Geophysical Research* 87, 6525-6531.
- LABONNE, H., 1887. Sur le gisement du spath d'Islande. *Comptes Rendus Acad. Sci.* 105, 1144-1145.
- LAPP, B., LAPP, M. & THOMAS, L., 1988. Geologische Kartierung am Lodmundarfjörður (Nordost-Island). *Dipl.-Kart. FU Berlin, IGDL Göttingen*, unpublished.
- LARSEN, G., 1982. Gjóskutímatal Jökulsdals. In: *Eldur er í Norðri* (ed. Helga Þórarinsdóttir, Ólafur H. Óskarsson, Sigurður Steinþórsson og Þorleifur Einarsson). Reykjavík, Sögufélag. 51-65.
- LARSEN, G., GUÐMUNDSSON, M.T. & BJÖRNSSON, M.G., 1998. Eight centuries of periodic volcanism at the center of the Iceland hotspot revealed by glacier tephra stratigraphy. *Geology* 26, 943-946.
- LARSEN, G., GUÐMUNDSSON, M.T., & BJÖRNSSON, H., 2000. Tephrostratigraphy of ablation areas of the Vatnajökull ice cap, Tungnaárjökull and Brúarjökull glaciers. Iceland 2000. *Modern Processes and Past Environments*. 27-29. April, 2000. Keele University, Keele, England.
- LARSEN, G., ÓLADÓTTIR, B.A., EINARSSON, S. & SNORRASON, S.P., 2007. Tímasetningar á rofi Dimmugljúfra og sethjalla í dalnum sunnan Fremri-Kárahnjúks með gjóskutímatali. *Glettingur* 45-46, 39-44.
- LENNART, A., 1955: Ice-marginal lakes at Hoffellsjökull.-Geograf. Annaler 1955, 202-228.
- LINDER, J. & LEONHARDT, R., 2009. Paleomagnetic full vector record of four consecutive mid Miocene geomagnetic reversals. *Physics of the Earth and Planetary Interiors* 177, 88-101.
- LISTER, H., 1953. Report on Glaciology at Breiðamerkurjökull 1951. *Jökull* 3, 23-31.
- LOHMEYER, S., 1961. Mineralogische Fundstellen in Island. *Der Aufschluss* 12, 151-158. Heidelberg.
- MAGNÚSSON, E.F., PÁLSSON, F. & BJÖRNSSON, H., 2004. Yfirborð Brúar- og Eyjabakkajökuls og vatnasvið Jökulsár á Brú, Kreppu, Kverkár og Jökulsár á Fljótsdal 1946-2000. *Raunvísindastofnun Háskólans*, RH-10-2004.
- MARTIN, E. & SIGMARSSON, O., 2010. Thirteen million years of silicic magma production in Iceland: Links between petrogenesis and tectonic settings. *Lithos* 116, 129-144.
- MARTIN, E., PAQUETTE, J.L., BOSSE, V., RUFFET, G., TIEPOLO, M. & SIGMARSSON, O., 2011. Geodynamics of rift-plume interaction in Iceland as constrained by new <sup>40</sup>Ar/<sup>39</sup>Ar and in situ U-Pb zircon ages. *Earth and Planetary Science Letters* 311, 28-38. (Streitishvarf Dike dated)
- MATTSON, S.R., VOGEL, T.A., WILBAND, J.T., 1986. Petrochemistry of the silicic-mafic complexes at Vesturhorn and Austurhorn, Iceland: evidence for zoned/stratified magma. *J. Volcano. Geotherm. Res.*, 28, 197-223.
- McDOUGALL, I. & WENSINK, H., 1966. Paleomagnetism and geochronology of the pliocene-pleistocene lavas in Iceland. *Earth and Planetary Science Letters* 1, 233-236.
- McDOUGALL, I., WATKINS, N. D. & KRISTJÁNSSON, L., 1976. Geochronology and paleomagnetism of a Miocene-Pliocene lava sequence at Bessastadaá, Eastern Iceland. *Am. J. Sci.* 276, 1078-1095.
- McDOUGALL, I., WATKINS, N. D., WALKER, G.P.L. & KRISTJÁNSSON, L., 1976. Potassium-Argon and paleomagnetic analysis of Icelandic lava flows: Limits on the age of anomaly 5. *Journal of Geophysical Research* 81 (8), 1505-1512.
- McKENZIE, K., MC CLAIN, J. & ORCUTT, J., 1982. Contains on Crustal Structure of Eastern Iceland Based on Extremal Inversions of Refraction Data. *Journal of Geophysical Research* 87, 6371-6382.



- MEHEGAN, J.M., ROBINSON, P.T., & DELANEY, J.R., 1982. Secondary mineralization and hydrothermal alteration in the Reydarfjörður drill core, eastern Iceland. *Journal of Geophysical Research* 87, 6511-6524.
- MEYER, B.L. & PIRRI, J., 1957. On the pollen and diatom flora contained in the surtarbrandur of East Iceland. *Proc. R. Soc. Edinb.* 61, 262-75.
- MILANOVSKY, E.E., 2008. Glaciation - E-Iceland-Siberia glaciations in northern and eastern Europe, Iceland, Caucasus and Origin and development of ideas on Pliocene and Quaternary. *Geological Society of London* 301, Special Publications, 87-115.
- MOORBATH, S. & WALKER, G.P.L., 1965. Strontium isotope investigation of igneous rocks from Iceland. *Nature* 207, 837-840.
- MOORBATH, S., SIGURDSSON, H. & GOODWIN, R., 1968. K-Ar ages of the oldest exposed rocks in Iceland. *Earth Planet. Sci. Lett.*, 4, 197-205.
- MUDIE, P. J. & HELGASON, J., 1983. Palynological evidence for Miocene climatic cooling in eastern Iceland about 9.8 Myr ago. *Nature*, 303, 689-692.
- MUSSETT, A.E., ROSS, J.G. & GIBSON, I.L., 1980. <sup>40</sup>Ar/<sup>39</sup>Ar dates of eastern Iceland lavas. *Geophys. J. Royal Astr. Soc.* 60, 37-52.
- NEWMAN, T.C., 1967. The geology of some igneous intrusions in the Hornafjörður region of SE Iceland. *Ph.D. thesis*, University of Manchester.
- NEUHOFF, P.S., FRIDRIKSSON, T., ARNÓRSSON, S. & BIRD, D.K., 1999. Porosity of Evolution and Mineral Paragenesis during Low-grade Metamorphism of Basalt Lavas at Teigarhorn, Eastern Iceland. *American Journal of Science* 299, 467-501.
- NIELSEN, N., 1937. Vatnajökull. Barátta elds og ísa. Pálmi Hannesson þýddi. *Reykjavík*.
- NOCKOLDS, S.R., 1954. Average chemical compositions of some igneous rocks. *Bull. Geol. Soc. Amer.* 65, 1007-32.
- NORÐDAHL, H., 1984. Könnun jarðgrunnsefna við Eskifjarðarkaupstað. Óbirt skýrsla. Rannsókn nr. H-84-365. Rannsóknastofnun byggingariðnaðarins. 20 p.
- NORÐDAHL, H. & EINARSSON, Þ., 1988. Hörfun jökla og sjávarstöðubreytingar í ísaldarlok á Austfjörðum. *Náttúrufræðingurinn* 58 (2), 59-80.
- NORÐDAHL, H., 1993. Lateglacial raised beaches and glacier recession in the Pistilfjörður-Bakkaflói area, Northeast Iceland. *Jökull* 43, 33-44.
- NORÐDAHL, H. & EINARSSON, TH., 2001. Concurrent changes of relative sea-level and glacier extent at the Weichselian-Holocene boundary in Berufjörður, Eastern Iceland. *Quaternary Science Reviews* 20, 1607-1622.
- OLAFSEN, E. & PÁLSON, B., 1772. Reise igiennem Island, foranstaltet af Videnskabernes Selskab i Kiøbenhavn, og beskreven af forbemeldte Eggert Olafsen med dertil hørende 51 Kobberstøkker og et nyt forfærdiget Kart over Island. Deutsche Ausgabe: Reise durch Island: veranstaltet von der Königlichen Societät der Wissenschaften in Kopenhagen und beschrieben von bemeldtem Eggert Olafsen. Übersetzt aus dem Dänischen von Joachim Michael Geuss. Kopenhagen, Heinecke und Faber.
- ÓLAFSSON, J., 2006: Silfurbergskúlan. *Glettingur* 16 (1), 17-19. (Before published in „Tíminn, Sunnudagsblaði, 1. maí 1977.)
- ÓSKARSSON, B.V. & RIISHUUS, M.S., 2013. The mode of emplacement of Neogene flood basalts in Eastern Iceland: facies architecture and structure of the Hólmar and Grjóta olivine basalt groups. *Journal of Volcanology and Geothermal Research* 267, 92-118.
- ÓSKARSSON, B.V. & RIISHUUS, M.S., 2014. The mode of emplacement of Neogene flood basalts in eastern Iceland: Facies architecture and structure of simple aphyric basalt groups. *Journal of Volcanology and Geothermal Research* 289, 170-192.
- ÓSKARSSON, B.V., 2015. Volcanological studies of Neogene flood basalt groups in eastern Iceland. *PhD thesis*, University of Iceland, 217 p.
- ÓSKARSSON, B.V. & RIISHUUS, M.S., 2015. The mode of emplacement of Neogene flood basalts in Eastern Iceland: the plagioclase ultraphyric basalts in the Grænavatn group. *Journal of Volcanology and Geothermal Research*.
- ÓSKARSSON, B.V., ANDERSEN, C.B., RIISHUUS, M.S., SORENSEN, E.V. & TEGNER, C., 2017. The mode of emplacement of Neogene flood basalts in Eastern Iceland: The plagioclase ultraphyric basalts in the Grænavatn group. *Journal of Volcanology and Geothermal Research* 332, 25-50.
- OXBURGH, E.R. & ARGELL, S.O., 1982. Thermal conductivity and temperature of the Reyðarfjörður Borhole. *Journal of Geophysical Research* 87, 6423-6428.



- PADILLA, A.J., 2015. Elemental and isotopic geochemistry of crystal-melt systems: Elucidating the construction and evolution of silicic magmas in the shallow crust, using examples from southeast Iceland and southwest USA. Dissertation thesis. *Faculty of the Graduate School of Vanderbilt University: Environmental Engineering*, Nashville, Tennessee, 299 p.
- PÁLMASON, G., 1963. Seismic Refraction Investigation of the Basalt Lavas in Northern and Eastern Iceland. *Jökull* 13, 40-60.
- PÁLMASON, G., 1971. Crustal structure of Iceland from explosion seismology. *Vísindafélag Íslendinga*, Reykjavík.
- PÁLSDÓTTIR, D., 2005. Steinshlaup. *Glettingur* 15 (1), 45.
- PALSSON, P. & THÓRISSON, S.G., 2001. Vesturöræfi. *Glettingur* 27-28, 16-25.
- PAQUETTE, J.L., SIGMARSSON, O. & TIEPOLO, M., 2007. Mesozoic zircons in Miocene ignimbrite: A splinter of continental crust? *EGU, Geoph. Res. Abs.* 9, 03723.
- PERUTTA, A.J., 1967. The crystal structure of epistilbite. *Mineral. Mag.* 36, 480-490.
- PÉTURSSON, H., 1996. Skriður og skriðuföll. *Náttúrufræðistofnun Íslands Ársrit* 1996, 12-21. [Innih. m.a. skriðuannál 1925-1994, og kort yfir skriðuföll á því tímabili].
- PÉTURSSON, H.G. & SÆMUNDSSON, TH., 1999. Skriðuföll í Neskaupstað. *Unnið fyrir Veðurstofu Íslands og Ofanflóðasjóð NÍ-9901*.
- PÉTURSSON, S., 1957. Silfurberg utan Íslands. *Náttúrufræðingurinn* 27 (2), 94-96.
- PFLUG, H.D., 1959. Sporenbilder auf Island und ihre stratigraphische Deutung. *Neues Jb. Geol. Palaont.* 107, 141-72.
- PIPER, J. D. A., FOWLER, M. G. & GIBSON, I. L., 1977. Dyke magnetisation, magnetostratigraphy and upper crustal structure in the Reyðarfjörður area of eastern Iceland. *Tectonophys.* 40, 227-244.
- PJETURSSON, H., 1906. The Crag of Iceland: an intercalation in the basalt formation. *Quarterly Journal of the Geological Society* 62, 712-715.
- PRESTVIK, T., 1979: The Geology of the Öraefi District, Southeastern Iceland - Nordic Volcanological Institute.
- PRESTVIK, T. 1980. Petrology of hybrid intermediate and silicic rocks from Öraefajökull, southeast Iceland. *Geol. Föreningens i Stockholm Förhandlingar* 101, 299-307.
- PRESTVIK, T., GOLDBERG, S., KARLSSON, H. & GRÖNVOLD, K. 2001. Anomalous strontium and lead isotope signatures in the off-rift Öraefajökull central volcano in south-east Iceland; Evidence for enriched endmember(s) of the Iceland mantle plume? *Earthly and Planetary Science Letters* 190, 211-220.
- PRICE, R. J., 1969. Moraines, sandar, kames and eskers near Breiðamerkurjökull, Iceland. *Inst. of Brit. Geographers* 46, 17-43.
- RAINFORD, K., 2017. Investigating magma mixing within Streishvarf composite dyke, Eastern Iceland. *BSc dissertation, University of Edinburgh*, 54 p.
- RICHTER, K., 1960. Über Perlite mit besonderer Berücksichtigung isländischer Vorkommen. *Zeitschrift der Deutschen Geologischen Gesellschaft* 112, 197-207.
- RIISHUUS, M., & ASKEW, A.R., 2014. <sup>40</sup>Ar/<sup>39</sup>Ar incremental heating experiments on celadonite from Skessa Tuff, eastern Iceland: Thermochronology of low-temperature alteration of a flood basalt pile during burial metamorphism. American Geophysical Union, Fall Meeting 2014, abstract #V43B-4873.
- ROBERTS, N. & SHAW, J., 1984. The relationship between the magnitude and direction of the geomagnetic field during the late Tertiary in Eastern Iceland. *Geophys. J. Royal Astr. Soc.* 76, 637-651. See comments by L. Kristjánsson in vol. 80, 555-559, 1985.
- ROBINSON, P.T. & SCHMINCKE, H.-U., 1978. Iceland Research Drilling Project, Reyðarfjörður 1978. Core Summaries.
- ROBINSON, P.T., MEHEGAN, J., GIBSON, I.L. & SCHMINCKE, H.-U., 1982. Lithology and structure of the volcanic sequence in Eastern Iceland. *Journal of Geophysical Research* 87, 6429-6436.
- ROBINSON, P.T., HALL, J.M., CHRISTENSEN, N.I., GIBSON, I.L., FRÍÐLEIFSSON, I.B., SCHMINCKE, H.-U. & SCHOENHARTING, G., 1982. The Iceland Research Drilling Project: Synthesis of Results and Implications for the Nature of Icelandic and Oceanic Crust. *Journal of Geophysical Research* 87, 6657-6667.
- RIST, S., 1953. Dyrfjallajökull. *Jökull* 3, 38.
- RIST, S., 1956. Íslensk vötn (Icelandic fresh waters). *Raforkumálastjóri, Rkv.*
- ROOBOL, M.J., 1969. The Vesturhorn acid basic intrusion, south-east Iceland. *PhD Thesis*.
- ROOBOL, M.J., 1971. Some relations between common acid-basic associations. *Geol. Mag.* 108, 525-531.
- ROOBOL, M.J., 1972. Size-graded, igneous layering in an Icelandic intrusion. *Geol. Mag.* 109, 393-404.



- ROOBOL, M.J., 1974. The geology of Vesturhorn intrusion, southeastern Iceland. *Geol. Mag.* 111, 273-368.
- ROSS, J.G. & MUSSETT, A.E., 1976.  $^{40}\text{Ar}/^{39}\text{Ar}$  dates for spreading rates in eastern Iceland. *Nature* 259, 36-38.
- RUTTEN, M.G. & WENSINK, H., 1960. Structure of the central graben of Iceland. *Int. Geol. Congr., XXI session*, Pt. 18, 81-8.
- RUESCH, C., 2007. Kárahnjúkar Hydropower Project. Háslón Reservoir: Influence of Sedimentation and Climate Change on Electricity Production during the next 100 years. *Master thesis*, Institut National des Sciences Appliquées de Lyon, Lyon, France.
- SÆMUNDSDÓTTIR, J., 1986. Gengið í Esjufjöll. *Áfangar* 7 (1), 6-12.
- SÆMUNDSSON, K., 1978. Fissure swarms and central volcanoes of the neovolcanic zones of Iceland. In: Bowes, D.R. & Leake, B.E. (eds.) *Crusted Evolution in Northwestern Britain and Adjacent Regions*. Liverpool: Seel House, 415-32.
- SÆMUNDSSON, K., 1979. Outline of the geology of Iceland. *Jökull* 29, 7-28.
- SÆMUNDSSON, TH. & PÉTURSSON, H.G., 1999. Aurskriður á Seyðisfirði, orsök og hættumat. Ágrip erinda og veggspjalda. *Jarðfræðafélag Íslands*, 80-81.
- SÆMUNDSSON, K., 2005. Inspection of faults at Kárahnjúkar. *ÍSOR (Iceland Geosurvey)*. Unnið fyrir Landsvirkjun. Report ÍSOR- 05129
- SÆMUNDSSON, K. & GUNNLAUGSSON, E., 2013. Íslenka Steinahandbókin / Icelandic rocks and minerals. *Mál og Menning, forlagid.is*.
- SÆVARSSON, S. B., 2004. Varð ekki sóttur með vopnum elds og eimyrju - gluggað í heimildir um Sigurð Þórarinsson, jarðfræðing og skáld. *Útivist (nýja)* 3 (2), 14-18.
- SCHNELL, T., 1994. Breiðdalur Central Volcano, eastern Iceland. Heidelberg geowissenschaftliche Abhandlungen 81. Universitaet Heidelberg: Geologisch Palaeontologisches Institut, Institut fuer Sedimentforschung, Laboratorium fuer Geochronologie und Mineralogisches Institut c Ruprecht-Karls-Universitaet, Heidelberg. ISBN 3-931161-07-2
- SCHOMACKER, A., KRUGER, J. & KJÆR, K.H., 2006. Ice-cored drumlins at the surge-type glacier Brúarjökull, Iceland: A transitional-state landform. *Journal of Quaternary Science* 21, 85-93.
- SCHOMACKER, A. & KJÆR, K.H., 2007. Origin and de-icing of multiple generations of ice-cored moraines at Brúarjökull, Iceland. *Boreas* 36, 411-425.
- SCHOENHARTING, G. & PETERSEN, K., 1978. The Hvannadalur and Geitafell intrusions, SE Iceland: Magnetic anomalies, structure and magnetic layer problem. *Jökull* 28, 32-41.
- SCHOENHARTING, G. & PÁLMASSON, G., 1982. A gravity survey in the Reyðarfjörður Area, Eastern Iceland, with interpretation. *Journal of Geophysical Research* 87, 6419-6422.
- SCHOENHARTING, G. & GHISLER, M., 1982. Zones of polarity of stable remanent magnetization within some basaltic flows in the Iceland Deep Drilling. *Journal of Geophysical Research* 87, 6591-6600.
- SCHOENHARTING, G. & HALL, J. M., 1982. Detailed susceptibility log of the IRDP drill core, Reyðarfjörður, Eastern Iceland. *Journal of Geophysical Research* 87, 6601-6604.
- SELF, S. & SPARKS, R.S.J. 2006: GEORGE PATRICK LEONARD WALKER 2 March 1926 — 17 January 2005. *Biogr. Mem. Fell. R. Soc.* 52, 423-436.
- SELJAN, H., 2001. Af fundargjörð um kolanám í Jökulbotnum á Reyðarfirði. *Múlaping* 28, 47-51.
- SHARP, M., 1985. Sedimentation and Stratigraphy at Eyjabakkajökull. An Icelandic surging Glacier. *Quaternary Research* 24, 269-284.
- SHARP, M. & DUGMORE, A.J., 1985. Holocene glacier fluctuation in eastern Iceland. *Zeitschrift fur Gletscherkunde und Glazialgeologie* 21, 341-349.
- SIGBJARNARSON, G., 1981. Jarðlaga- og jarðefnarannsóknir á Austurlandi. *Múlaping* 11, 182-191.
- SIGBJARNARSON, G., 1982. Alpajökklar og öldubrótar. *Eldur er í norðri. Afmælisrit Sigurðar Þórarinssonar, Reykjavík*, p. 79-88. [Ice age in the East fjords]
- SIGBJARNARSON, G. 1983. The Quaternary alpine glaciation and marine erosion in Iceland. *Jökull* 33, 87-98.
- SIGBJARNARSON, G., 1988. Krepputunga og Brúardalur. Lýsingar á kortteiningum jarðfræðikorts. *Orkustofnun OS-88038*, 44 p.
- SIGBJARNARSON, G., 1993. Norðan Vatnajökuls. I. Aðdragandi og skipulag jarðfræðikortlagningar. *Náttúrufræðingurinn* 63(1-2), 109-124.





- SIGBJARNARSON, G., 1993. Norðan Vatnajökuls. II. Jarðlagaskipan og jarðfræðikort. *Náttúrufræðingurinn* 63 (3-4), 201-217.
- SIGBJARNARSON, G., 1995. Norðan Vatnajökuls. III. Eldstöðvar og hraun frá nútíma. *Náttúrufræðingurinn* 65 (3-4), 199-212.
- SIGBJARNARSON, G., 1997. Frá myndun Hornafjarðar. Afstaða láðs og lagar. *Glettingur* 7 (3), 6-12.
- SIGBJARNARSON, G., ALBERTSSON, K. & EINARSSON, K., 1974. Krepputunga og Brúardalir, jarðfræðikort, 1:100 000. *Orkustofnun*, Reykavík.
- SIGMARSSON, O., 2011. Hvítserkur: fjall sem myndaðist í setskál. *Glettingur* 55-56, 20-23.
- SIGMARSSON, O., MARTIN, E., PAQUETTE, J.L., BOSSE, V. & GEIRSSON, K., 2012. Gliðunarhraði Íslands, metinn með aldursgreiningum á megineldstöðvum Austurlands. *Náttúrufræðingurinn* 82 (1-4), 105-111.
- SIGURÐSSON, F. & GUÐJÓNSSON, S., 1983. Jarðgrunnur á Jökuldal, forkönnun. *Orkustofnun OS-83090*, 34 p.
- SIGURÐSSON, H., 1967. The Icelandic basalt plateau and the question of sial, a review. In: *Iceland and Midocean Ridges. Rit. 38, Soc. Sci. Islandica*, 32-46.
- SIGURÐSSON, H., 1968. Nýjar aldurákvæðanir á íslensku bergi. *Náttúrufræðingurinn* 38 (3-4), 187-193. [important rock datings in East Iceland].
- SIGURÐSSON, H. & SPARKS, R.S.J., 1978. Lateral magma flow within Icelandic crust. *Nature* 274, 126-130.
- SIGURÐSSON, O., 1998. Eyjabakkajökull. *Glettingur* 17-18, 56-58.
- SIGURÐSSON, O., 1998: Landmótun á Breiðamerkursandi. *Kvískerjabók, Höfn*, 1998, 76-81.
- SIGURÐSSON, O., 2005: Jöklar Austfjarða. Sigurður Ægisson: Á sprekamó. Afmælisrit H. Hall., 233-248.
- SIGURÐSSON, O., 2009. Jöklabreytingar 1930-1970, 1970-1995, 1995-2006 og 2006-2007. *Jökull* 59, 103-108.
- SCHMINCKE, H.-U., VIERECK, L.G., GRIFFIN, B.J. & PRITCHARD, R.G. Volcanoclastic Rocks of the Reyðarfjörður Drill Hole, Eastern Iceland, 1. Primary Features. *Journal of Geophysical Research* 87, 6437-6458.
- SIGURÐARDÓTTIR, VALGERÐUR, 1995. Frásögn Valgerðar Sigurðard. um GPL Walker. 25 ára afmælisriti NAUST, *Náttúruverndarsamtaka Austurlands, september 1995*.
- SIGURGEIRSSON, TH., 1980. Ísland-segulsvið á fluglínu (aeromagnetic profile map). Kortblað 9, 1:25.000, *Háskóli Íslands* [http://jardvis.hi.is/segulkort\\_thorbjorns\\_sigurgeirssonar](http://jardvis.hi.is/segulkort_thorbjorns_sigurgeirssonar)
- SIGURGEIRSSON, TH., 1981. Ísland-segulsvið á fluglínu (aeromagnetic profile map). Kortblað 8, 1:25.000, *Háskóli Íslands* [http://jardvis.hi.is/segulkort\\_thorbjorns\\_sigurgeirssonar](http://jardvis.hi.is/segulkort_thorbjorns_sigurgeirssonar)
- SÍMONARSON, L. A., 1975. Hraunafsteypur af trjém í íslenskum tertíerlögum. *Náttúrufræðingurinn* 44 (2), 140-149. [Höfn-Hornafjörður area]
- SÍMONARSON, L. A., 1989. Fyrstu landspendýraleifarnar úr íslenskum tertíerlögum *Náttúrufræðingurinn* 59 (4), 189-195.
- SÍMONARSON, L. A., 1990. Fyrstu landspendýraleifarnar úr íslenskum tertíerlögum. *Náttúrufræðingurinn* 59 (4), 189-195. [Fossil bones from land mammal close to Burstafell, Vopnafjörður]
- SÍMONARSON, L. A. & IMSLAND, P., 1995. Sandmaðkur í fjöromó og súrri gjósku. *Náttúrufræðingurinn* 65 (3-4), 153-163. [Biology, Höfn-Hornafjörður area]
- SÍMONARSON, L. A. & EIRÍKSSON, J., 2012. Steingervingar og setlög á Íslandi. *Náttúrufræðingurinn* 82, 13-25.
- SKÚLASON, P., 2002. Silfurberg. *Skjöldur*, 11 (3), 18-20. (Interview with Leó Kristjánsson and more)
- SMÁRASON, Ó.B., 1994. Norðfjörður-Geothermal Gradient Drilling in 1994. *Prepared for Neskaupstaður Council. ÓBS/94-15*.
- SMÁRASON, Ó.B., 1994. Djúpvígur - Geothermal Gradient Drilling in 1994. *Prepared for Djúpvígur Council. ÓBS/94-16*.
- SMÁRASON, Ó.B. & KRISTJÁNSSON, B.R., 1999. Geothermal investigation for towns and villages in Fjarðabyggð council, eastern Iceland. 5 reports, *prepared for Fjardabyggð Council*.
- SMÁRASON, Ó.B. & KRISTJÁNSSON, B.R., 1999. Geothermal investigation in Vopnafjörður in 1999, eastern Iceland. *Prepared for Vopnafjörður Council*.
- SMÁRASON, Ó.B., 2002. Hali in Suðursveit. Geothermal Investigation 2002. Prepared for Hornafjörður Council. *Stapi Ltd. ÓBS/02-5*.
- SMÁRASON, Ó.B., 2002. Eskifjörður– Geothermal Investigation – Fase I, 2002. Prepared for Fjardabyggð Council. *Stapi Ltd. ÓBS/02-06*.
- SMÁRASON, Ó.B., 2003. Vopnafjörður- Geothermal Investigation in 2002. Prepared for Vopnafjörður Council. *Stapi Ltd*.



- SMÁRASON, Ó.B., 2005. Hornarfjörður-Hoffell. Geothermal investigation 2003-2004. Prepared for Hornarfjörður Council. *Stapi Ltd.* ÓBS/05-1.
- SMÁRASON, Ó.B., 2006. Geothermal Investigation at Djúpvogur in 2005. Prepared for Djúpvogur Council. *Stapi Ltd.* ÓBS/06-2.
- SMÁRASON, Ó.B., 2007. Norðfjörður in 2006. Prepared for Fjardabyggd Council. *Stapi Ltd.* ÓBS/07-3.
- SMÁRASON, Ó.B., 2008. Geothermal investigation at Djúpvogur 2007. Deepening of borehole DPV-20 to 608 m depth. Prepared for Djúpvogur Council. *Stapi Ltd.* ÓBS/08-2.
- SMÁRASON, Ó.B., 2009. Geothermal Investigations in Reyðarfjörður in 2003 – 2006. Prepared for Fjardabyggd Council. *Stapi Ltd.* ÓBS/09-04.
- SMÁRASON, Ó.B., 2016. Jarðhitaleit á Austurlandi í aldarfjórðung – í minningu George P.L. Walkers. *Glettingur* 65-66, 99-101.
- SNYDER, D., CRAMBES, C., TAIT, S. & WIEBE, R.A., 1997. Magma mingling in dikes and sills. *Journal of Geology* 105, 75-86. (Samples from East Iceland)
- SPARKS, R.S.J., 2009. The legacy of George Walker to Volcanology. *Studies in volcanology, the legacy of George Walker. From T.THORDARSON, S.SELF, G. LARSEN, S.K. ROWALD and Á. HÖSKULDSSON (eds): Studies in Volcanology: The legacy of George Walker.* Special Publications of IAVCEI No. 2, 1-15. Geological Society London.
- STRIEBERGER, J., BJÖRCK, S. HOLMGREN, S. & HAMERLIK, L., 2012. The sediments of Lake Lögurinn – A unique proxy record of Holocene glacial meltwater variability in eastern Iceland. *Quaternary Science Reviews* 38, 76-88.
- THOMAS, L., 1988. Geologische Kartierung am Lodmundarfjörður (Nordost-Island) unter besonderer Berücksichtigung der pyroklastischen Gesteine. *Dipl. Kart. FU Berlin.* Unpublished.
- THOMPSON, A. & JONES, A., 1985. Rates and causes of proglacial river terrace formation in southeast Iceland: an application of lichenometric dating techniques. *Boreas* 15, 231-246.
- THOMSON, W.H., GARMANY, J.D., LEWIS, T.R., 1982. Crustal Structure Near the Iceland Research Drilling Project Borehole From a Seismic Refraction Survey. *Journal of Geophysical Research* 87, 6383-6388.
- THORARINSSON, E., 1984. Reyðarfjörður. Náttúrufar og minjar. Unnið fyrir Staðarvalsnafnd um iðnrekstur af Náttúrugripasafninu í Neskaupstað, 90 p.
- THORARINSSON, S., 1936. Ný bergtegund. *Náttúrufræðingurinn* 6 (2), 80. [Granophyr from Örafi area]
- THORARINSSON, S., 1938. Über anomale Gletscherschwankungen mit besonderer Berücksichtigung des Vatnajökullgebietes. *Geol. Fören. Förhandl.* 60, H.3, 490-506. [Among other about jökulhlaup from Eyjabakkajökull and Brúarjökull]
- THORARINSSON, S., 1946. Í veldi Vatnajökuls. *Lesbók Morgunbl.* 21. árg. 16., 17., 18., 19., 20., 33., 34., 35., tbl.
- THORARINSSON, S., 1956. A thousand years struggle against ice and fire. (Brochure), Reykjavík.
- THORARINSSON, S., 1958. The Öraefajökull eruption of 1362.- *Acta nat. isl.* II, 3, 1-100.
- THORARINSSON, S., 1958. Urðarhólarnir í Staðardal. *Jökull* 8, 35-36.
- THORARINSSON, S., EINARSSON, T., & KJARTANSSON, G., 1959. On the geology and geomorphology of Iceland. *Geogr. Annal. Stockh.* 41, 135-69.
- THORARINSSON, S., 1964. On the Age of the Terminal Moraines of Brúarjökull and Hálsjökull. *Jökull* 14, 67-75.
- THORARINSSON, S., 1964. Aldur öskulaga. *Náttúrufræðingurinn* 34 (3), 113-126. [A.o. about ash layer of Hekla in East Iceland].
- THORARINSSON, S., 1964. On the Age of the Terminal Moraines of Brúarjökull and Hálsjökull. *Jökull* 14, 1-15.
- Sigurður Þórarinnsson, 1964. Sudden advance of Vatnajökull outlet glacier 1930-64. *Jökull* 14, 76-89.
- THORARINSSON, S., 1969. Glacier surges in Iceland, with special reference to the surges of Brúarjökull. *Canadian Journal of Earth Sciences* 6, 875-882.
- THORARINSSON, S.B. & TEGNER, C., 2009. Magma chamber processes in central volcanic systems of Iceland: constraints from layered gabbro of the Austurhorn intrusive complex. *Contrib. Mineral Petrol.* 158 (2), 223-244.
- THORDARSON, S., 1945. Saga silfurbergsins. *Náttúrufræðingurinn* 15 (2), 96-107.
- THORDARSON, TH. & HÖSKULDSSON, A. 2002: Classic geology in Europe 3, Iceland. © Thor Thordarson, Armann Höskuldsson, Terra Publishing, ISBN 1-9035 44-06-8
- THORLEIFSDÓTTIR, Á., 2011. Dyrfjöll náttúrugarður-verðug viðurkenning á einstöku landsvæði. *Glettingur* 55-56, 24-26.
- THORODDSEN, TH., 1883. Ferð um Austurland sumarið 1882. *Andvari* IX, 17-96.



- THORODDSEN, TH., 1890. Nogle Bemærkninger om de Islandske Findesteder for Doppelspath. *Geologiska Föreningens I Stockholm Förhandlingar*, XII, 247-254.
- THORODDSEN, TH., 1891. Einige Bemerkungen über die Fundorte des isländischen Doppelspathes. *Himmel und Erde* 3, 182-187. Berlin.
- THORODDSEN, TH., 1901. Geological map of Iceland 1:600.000. *Copenhagen: Carlsberg Fund.*
- THORODDSEN, TH., 1906. Geological map of Iceland 1:750.000. *Copenhagen: Carlsberg Fund.*
- THORODDSEN, TH., 1914. Ferðabók. Skýrslur um rannsóknir á Íslandi 1882–1898 (Reports about research on Iceland from 1882-1898). Þriðja bindi. *Hið íslenska fræðafélag*, Copenhagen.
- THORPE, R.S. & MARRINER, G.F., 1982. The Trace Element of the Lavas and Dikes from a 3-km Vertical Section through the Lava Pile of Eastern Iceland. *Journal of Geophysical Research* 87, 6532-6546.
- THORSTEINSSON, S., S., 1974. Jarðset á Austurlandi. Rannsókn V-26. Rannsóknast. Byggingariðnaðarins. Reykjavík, 94 p.
- THORVALDSDÓTTIR, A. 1996. "Það er þjálfun að þekja grjót." Arndís Þorvaldsdóttir ræðir við hjónin Valborgu Guðmundsdóttur og Björgólf Jónsson, Tungufelli í Breiðdal. *Glettingur* 6, 23-27.
- TODTMANN, E. M., 1953. Am Rand des Eyjabakkagletschers, Sommer 1953. *Jökull* 3, 1953, 34-36.
- TODTMANN, E. M., 1955. Übersicht über die Eisrandlagen in Kringilsárrani von 1890-1955. *Jökull* 5, 8-10.
- TODTMANN, E. M., 1960. Gletscherforschungen auf Island (Vatnajökull). Universität Hamburg. Abhandlungen aus dem Gebiet der Auslandskunde 65C, 1-95.
- TORFASON, H. 1979. Investigations into the structure of south-eastern Iceland. *PhD thesis, University of Liverpool*, 568 p.
- TORFASON, H., ÁSBJÖRNSDÓTTIR, L. & PÉTURSSON, H.G., 2005. Staða rannsókna á setlögum í fyrrum Hálslóni. *Náttúrufræðistofnun, unnið fyrir Landsvirkjun*. LV -2005/062 and NÍ-05006.
- TORFASON, H. 1985. Geological map of Iceland 1:25.000, map sheet 9, (SE-Iceland). *Museum of Natural History and Iceland Geodetic Survey*.
- TRVGGVASON, E. & BATH, M., 1961. Upper crustal structure of Iceland. *Journal of Geophysical Research* 66, 1913-25.
- TRYGGVASON, T., 1955. Loðmundarskriður, Loðmundarfjörður. *Náttúrufræðingurinn* 25 (3), 187-193.
- TRYGGVASON, T., 1957. Þættir úr jarðfræði Austfjarða. Árbók Ferðafélags Íslands 1957, 102-111.
- TRYGGVASON, T., 1957. Perlusteinn. *Tímarit Verkfræðingafélags Íslands* 42, 65-70.
- TRYGGVASON, T. & WHITE, D.E., 1955. Rhyolitic tuffs in lower Tertiary plateau basalts of eastern Iceland. *Am. Journal Science* 253, 26-38. Blábjörg, Tillingshaga ignimbrite.
- TYRRELL, G.W. & PEACOCK, M.A., 1926. The petrology of Iceland. *Trans. R. Soc. Edinb.* 55, 51-76.
- UDAGAWA, S., KITAGAWA, H., GUÐMUNSSON, A., HIROI, O., KOYAGUCHI, T., TANAKA, H., KRISTJÁNSSON, L. & KONO, M., 2001. Age and magnetism of lavas in Jökuldalur area, Eastern Iceland: Gilsá event revisited. *Phys. Earth Planet. Inter.* 115, 147-171.
- VALGEIRSSON, Ó., 2013. Sundlaugin í Selárdal. *Glettingur* 60, 28-32.
- VIERECK, L.G., GRIFFIN, B.J., SCHMINCKE, H.-U & PRITCHARD, R.G., 1982. Volcanoclastic Rocks of the Reyðarfjörður Drill Hole, Eastern Iceland, 2. Alteration. *Journal of Geophysical Research* 87, 6459-6476.
- VICKERS, B., 2014. The Geology of the Breiðdalur Central Volcano, Eastern Iceland. *BSc dissertation, University of Cambridge*.
- VÍKINGSSON, S., 1989. Fljótsdalsvirkjun. Könnun lausra jarðlaga, yfirlitskort. *Orkustofnun*, OS-89026/VOD-05-B.
- VÍKINGSSON, S., 1991. Jökulsá á Dal. Jarðgrunnskortalagning í júlí 1991. *Orkustofnun*, greinargerð. SV-91/04.
- VÍKINGSSON, S., 2000. Umhverfi og orkuöflun – jöklalandslag. Austurland. Stöðuyfirlit í ársbyrjun 2000. *Orkustofnun*, greinargerð SV-00/01. 2000-06-05.
- VÍKINGSSON, S. & HAFSTAÐ, TH. H., 1992a. Austurlandsvirkjun-Dimmugljúfur. Byggingaefnisleit. *Orkustofnun*, greinargerð. SV/ÞHH-92/05.
- VÍKINGSSON, S. & HAFSTAÐ, TH. H., 1992b. Austurlandsvirkjun Dimmugljúfur. Byggingaefnisleit – viðbót. *Orkustofnun*, greinargerð SV/ÞHH-92/06.
- VÍKINGSSON, S. & HAFSTAÐ, TH. H., 1993a. Austurlandsvirkjun – Dimmugljúfur. Byggingarefniskönnun 1993. *Orkustofnun*, greinargerð. SV/ÞHH-93/05.
- VÍKINGSSON, S. & HAFSTAÐ, TH. H., 1993b. Austurlandsvirkjun – Efri-Jökuldalur. Byggingarefnisleit. *Orkustofnun*, greinargerð. SV/ÞHH-92-07.



- VÍKINGSSON, S., 2001. Kárahnjúkavirkjun-Hraunaveita, Jarðgrunnskort. *Orkustofnun, unnið fyrir Landsvirkjun*, OS-2001/012.
- VOGLER, E.D. & KRISTJÁNSSON, L., 2011. Silfurberg: Mikilvægasta framlag Íslands til umheimsins. *Austurglugginn*.
- VOGLER, E.D., 2014. Berggrunnskortlagning Breiðuvíkur á Austfjörðum. *Master thesis, University of Iceland*.  
<http://skemman.is/item/view/1946/17307;jsessionid=CCC122E046D43DFDCB6A45A88AB873AB>
- WALKER, G.P.L., 1959. Geology of the Reyðarfjörður area, eastern Iceland. *Quart. J. Geol. Soc. Lond.* 114, 367-393.
- WALKER, G.P.L., 1960. Zeolite zones and dyke distribution in relation to the structure of the basalts in eastern Iceland. *Journal of Geology* 68, 515-528.
- WALKER, G.P.L., 1962. Tertiary welded tuffs in eastern Iceland. *Quart. J. Geol. Soc. Lond.* 118, 275-293.
- WALKER, G.P.L., 1962. Low-potash gismondine from Ireland and Iceland. *Miner. Mag.* 33, 187-201.
- WALKER, G.P.L. & CARMICHAEL, I.S.E., 1962. Garronite, a new zeolite, from Ireland and Iceland. *Miner. Mag.* 33, 173-186.
- WALKER, G.P.L., 1963. The Breiðdalur central volcano, eastern Iceland. *Quart. J. Geol. Soc. Lond.* 119, 29-63.
- WALKER, G.P.L., 1964. Geological investigations in eastern Iceland. *Bulletin Volcanologique* 27, 351-363.
- WALKER, G.P.L., 1964. Iceland's Volcanoes. *The Times Science Review*, 51, 3-5.
- WALKER, G.P.L., 1965. Some aspects of Quaternary volcanism in Iceland. *Trans. Leicester Liter. & Phil. Soc.* 59, 25-39.
- WALKER, G.P.L., 1965. A Symposium on Continental Drift. XVII. Evidence of crustal drift from Icelandic geology. *Phil. Trans. Royal Society* 258, 199-204.
- WALKER, G.P.L., 1966. Acid volcanic rocks in Iceland. *Bulletin Volcanologique* 29, p. 375.
- WALKER, G.P.L. & BLAKE, D.H., 1966. The formation of a palagonite breccia mass beneath a valley glacier in Iceland. *Quart. J. Geol. Soc. Lond.* 122, 45-61.
- WALKER, G.P.L., 1967. Volcanics of Eastern Iceland. *Spectrum, December 1967*, 9-12.
- WALKER, G.P.L., 1971. Compound and simple lava flows and flood basalts. *Bulletin Volcanologique* 35, 579-590.
- WALKER, G.P.L., 1974. The structure of eastern Iceland. In: *Kristjánsson, L. (ed.), Geodynamics of Iceland and the North Atlantic area. proceedings of the NATO Advanced Study Institute held in Reykjavik, Iceland, 1-7 July, 1974. Boston: Reidel, Hingham, Mass, 155-164.*
- WALKER, G.P.L., 1975. Excess spreading axes and spreading rate in Iceland. *Nature* 255, 468-470.
- WALKER, G.P.L., 1975. Intrusive sheet swarms and the identity of Crustal Layer 3 in Iceland. *J Geol Soc London* 131, 143-161.
- WALKER, G.P.L., 1982. Topographic Evolution of Eastern Iceland. *Jökull* 32, 13-20.
- WALKER, G.P.L., 1999. Volcanic rift zones and their intrusion swarms. *Journal of Volcanology and Geothermal Research* 94, 21-34
- WARD, P. L. 1971: New Interpretation of the Geology of Iceland. *Geological Society of America Bulletin* 82, 2991-3012.
- WATKINS, N.D., KRISTJÁNSSON, L. & McDOUGALL, I., 1975. A detailed paleomagnetic survey of the type location for the Gilsá geomagnetic polarity event. *Earth and Planetary Science Letters* 27, 436-444.
- WATKINS, N.D. & WALKER, G.P.L., 1977. Magnetostratigraphy of Eastern Iceland. *American Journal of Science* 277, 513-584.
- WEIDENDORFER, D., MATTSSON, H.B. & ULMER, P., 2014. Dynamics of magma mixing in partially crystallized chambers: Textural and petrological constraints from the basal complex of the Austurhorn intrusion (SE Iceland). *Journal of Petrology* 55 (9), 1865-1903.
- WELLS, K. 2012. The Breiðdalur central volcano. *Bachelor Dissertation, University of Edinburgh*.
- WENSINK, H. 1964. Secular variation of earth magnetism in Plio-Pleistocene basalts of Eastern Iceland. *Geol. Mijnb.* 43, 403-413.
- WENSINK, H. 1964. Paleomagnetic stratigraphy of younger basalts and intercalated Plio-Pleistocene tillites in Iceland. *Geologische Rundschau* 54, 364-384.
- WILSON, R.L. & M.W. MCELHINNY, 1974. Investigation of the large scale palaeomagnetic field over the past 25 million years. Eastward shift of the Icelandic spreading ridge. *Geophys. J. Royal Astron. Soc.* 39, 570-586.
- WOOD, D. A. & GIBSON, I. L., 1976. The relationship between depth of burial and mean intensity of magnetization for basalt from eastern Iceland. *Geophys. J. Royal Astr. Soc.* 46, 497-498.





- WOOD, D.A., 1978. Major and trace element variations in the Tertiary lavas of eastern Iceland and their significance with respect to the Iceland geochemical anomaly. *J. Petrology* 19, 392-436.
- WOOD, D.A., JORON, J.L., TREUIL M., NORRY, M., & TARNEY, J., 1979. Elemental and Sr isotope variations in basic lavas from Iceland and the surrounding ocean floor. *Contr. Miner. Petrol.* 70, 319-339.
- ZENTILLI, M., BROOKS, R.R., HELGASON, J., DOUGLAS, E.R. & ZHANG, H., 1985. The distribution of gold in volcanic rocks of eastern Iceland. *Chemical Geology* 48, 17-28.