

## List of Publications and Dissemination Activities

### International refereed volume

- Annette Lykknes, Donald L. Opitz and Brigitte Van Tiggelen (eds.), *For Better or For Worse. Collaborative Couples in the Sciences* (Basel: Birkhäuser Verlag, Science Networks. Historical Studies, Vol. 44, 2012).

### International refereed articles

- Donald L. Opitz, Annette Lykknes, and Brigitte Van Tiggelen, "Introduction" in Annette Lykknes, Donald L. Opitz, and Brigitte Van Tiggelen (eds.), *For Better or For Worse. Collaborative Couples in the Sciences* (Basel: Birkhäuser Verlag, Science Networks. Historical Studies, Vol. 44, 2012), pp. 1-15.
- Brigitte Van Tiggelen and Annette Lykknes, "Ida and Walter Noddack through Better and Worse: An Arbeitsgemeinschaft in Chemistry" in Annette Lykknes, Donald L. Opitz, and Brigitte Van Tiggelen (eds.), *For Better or For Worse. Collaborative Couples in the Sciences* (Basel: Birkhäuser Verlag, Science Networks. Historical Studies, Vol. 44, 2012), pp. 103-147.
- Per-Odd Eggen, Lise Kvittingen, Annette Lykknes, and Roland Wittje, "Reconstructing Iconic Experiments in Electrochemistry – Experiences from a History of Science Course," *Science & Education* **21**(2) (2012), 179-189.
- Annette Lykknes, Lise Kvittingen, and Anne Kristine Børresen, "Ellen Gleditsch: Duty and Responsibility in a Research and Teaching Career, 1916-1946," *Historical Studies in the Physical and Biological Sciences* **36** (2005), 131-188.
- Annette Lykknes, Lise Kvittingen, and Anne Kristine Børresen, "Appreciated abroad, Depreciated at home. The Career of a Radiochemist in Norway: Ellen Gleditsch (1879-1968)," *Isis* **95** (2004), 576-609.
- Annette Lykknes, Lise Kvittingen, and Anne Kristine Børresen, "Struggles and Achievements. Ellen Gleditsch (1879-1968): Norwegian Female Radiochemist," in Soňa Štrbáňová, Ida Stamhuis and Katařina Mojsejová (eds.), *Women Scholars and Institutions* (Proceedings of the International Conference "Women Scholars and Institutions," Prague, June 8-11, 2003, Commission Women in Science of the IUHPS/DHS), Special issue of *Studies in the History of Sciences and Humanities* **13** (2004), 693-725.
- Annette Lykknes, Helge Kragh, and Lise Kvittingen, "Ellen Gleditsch: Pioneer Woman in Radiochemistry," *Physics in Perspective* **6** (2004), 126-155.
- Annette Lykknes and Lise Kvittingen, "Arsenic: -Not So Evil After All," *Journal of Chemical Education* **80** (2003), 497-500.

### Nordic refereed articles

- Anne Charlotte Torvatn and Annette Lykknes, "Biografi eller fagartikkel, forsøksrapport eller logg? Om innhold, form og bruk i naturfagskriving på mellomtrinnet," in: Jon Smidt, Randi Solheim og Arne Johannes Aasen (eds.), *På sporet av god skriveopplæring: ei bok for lærere i alle fag* (Trondheim: Tapir

akademisk forlag, 2011), pp. 207-224. [article about writing in science in primary school]

- Annette Lykknes and Anne Charlotte Torvatn, “Om astronauter, blandinger og skrukketroll: Skrivning i naturfag på 4. og 5. trinn,” in: Jon Smidt (ed.), *Skriving i alle fag – innsyn og utspill* (Trondheim: Tapir akademisk forlag, 2010), pp. 163-182. [article about writing in science in primary school]
- Annette Lykknes and Jon Smidt, ”Skrivesituasjoner og potensialer for læring i naturfag på ungdomstrinnet og videregående skole,” in: Jon Smidt (red.), *Skriving i alle fag – innsyn og utspill* (Trondheim: Tapir akademisk forlag, 2010), pp. 183-205. [article about writing in science in lower and upper secondary school]
- Annette Lykknes and Jon Smidt, “Skriving i arbeidsbok i naturfag på ungdomstrinnet: innhold, form og formål” in: Berit Groven, Tale M. Guldal, Ole Fredrik Lillemyr, Nils Naastad og Frode Rønning (eds.): *FoU i praksis 2008. Rapport fra konferanse om praksisrettet FoU i lærerutdanning Trondheim 17. og 18. april 2008* (Tapir Akademisk Forlag, 2009), pp. 237-249. [article about writing in science at secondary school level]

#### **Other scientific contributions to books, conferences proceedings etc.**

- Annette Lykknes, “From Fascinating Black Box to Science with Little Potential: Radioactivity in the Early 20<sup>th</sup> Century,” in: Aron Ambrosiani and Karl Berglund (eds.), *Marie Sklodowska / Madame Curie* (Stockholm: NobelMuseum, 2011), pp. 70-77.
- Berit Bungum, Silje Rødseth, Annette Lykknes og Kari Mette Murvoll, “What brought them into science? University students’ interest profiles and motivation for choosing science at university level,” in: Gültekin Cakmakci and Mehmet Fatih Tasar (eds.), *Contemporary Science Education Research: Learning and Assessment* (Istanbul: Pegem Akademi, 2010), Part 1: Learning Science , pp. 85-91. Proceedings of the European Science Education Research Association 2009 Conference, Istanbul, Turkey, 31 August – 4 September (ISBN 978-605-364-033-2).
- Annette Lykknes, ”Ellen Gleditsch: radiokjemiker, professor og kvinnelig forbilde” in Jacob B. Natvig, Elisabeth T Swärd og Erlend Hem (eds.), *Historier om helse* (Den norske legeforening, Tidsskriftets skriftserie, 2009), 66-75. [chapter about Ellen Gleditsch in book on the history of medicine]
- Annette Lykknes and Trond Arnesen, ”Fra lister til tankekart: Skrivning i naturfag i noen nye lærebøker” in Rutt Trøite Lorentzen og Jon Smidt (eds.), *Å skrive i alle fag* (Oslo: Universitetsforlaget, 2008), 191-203. [chapter on writing science in some new textbooks for secondary schools in a book about writing in all school subjects]
- Annette Lykknes and Jon Smidt, ”’Strukturert og ordentlig’ – om å skrive forsøksrapport i naturfag på ungdomstrinnet” in Rutt Trøite Lorentzen og Jon Smidt (eds.), *Å skrive i alle fag* (Oslo: Universitetsforlaget, 2008), 204-214. [chapter on writing experimental reports in science at secondary school level in a book about writing in all school subject]
- Annette Lykknes, Lise Kvittingen and Elisabeth Egholm Jacobsen, “Founding of a chemistry laboratory at Norway’s first Institute of Technology: Laboratory practices 1910-1936” in: Isabel Malaquias, Ernst Homburg and M. Elvira Callapez (eds.), *5th International Conference on History of Chemistry – ”Chemistry, Technology and Society” – proceedings* (Estoril & Lisboa: SPQ – Sociedade Portuguesa de Química, 2006), pp. 214-222.

### Volume/book in Norwegian

- Annette Lykknes, *Arsenforbindelser: Eksempler på bruk og misbruk gjennom tidene*, Program for skoleforsknings skriftserie 9/1999, Norwegian University of Science and Technology [reprint of master thesis on the use and misuse of arsenic compounds through history, published in Programme for School Research Series, NTNU]

### Nordic articles in science journals and magazines for science education

- Per-Odd Eggen, Lise Kvittingen og Annette Lykknes, "Jern i steiner og slush med flytende nitrogen – Kjemiløypa 2009 ved NTNU" *Naturfag 2*(2009), 86-87. [article about the "chemistry trail," organized at NTNU spring 2009]
- Per-Odd Eggen, Lise Kvittingen og Annette Lykknes, "Jern i steiner og slush med flytende nitrogen" *Kjemi 4*(2009), 7-9. [article about the "chemistry trail," organized at NTNU spring 2009]
- Lise Kvittingen, Annette Lykknes and Ola Nordal, "Hurra for 100-åringen!" *Kjemi 6*(2008), 14-16 [Essay about the on-going work on the centenary of chemistry education in Trondheim, Norway, in a Norwegian chemistry journal]
- Annette Lykknes, "Fra Paris til Oslo: Ellen Gleditsch – Norges første radiokjemiker," *Kjemi 2*(2007), 16-25 [Essay about Ellen Gleditsch in a Norwegian chemistry journal]
- Annette Lykknes, "Biografi Ellen Gleditsch" *Naturfag 1*(2006), 88-89. [Biography of Ellen Gleditsch in a science education magazine]
- Annette Lykknes, "Ellen Gleditsch – norsk pioner i radiokjemi," *Fra Fysikkens Verden 2*(2006), 33-38 [Essay about Ellen Gleditsch in a Norwegian physics journal]
- Annette Lykknes and Helge Kragh, "Ellen Gleditsch – kvindelig pioner i radiokemien," *Dansk Kemi 8*(2002), 32-33 [Essay about Ellen Gleditsch – in Danish, in a Danish chemistry journal]
- Annette Lykknes and Lise Kvittingen, "Den internasjonale kjemikongressen i Karlsruhe 1860. En vitenskapelig begivenhet og prosessene bak," *Kjemi 2*(2002), 18-24 [Essay on the International congress of chemistry at Karlsruhe, 1860, in a Norwegian chemistry journal]

### Book reviews

- Annette Lykknes, Book Review: Maria Rentetzi, *Trafficking Materials and Gendered Experimental Practices: Radium Research in Early 20<sup>th</sup> Century Vienna* (Columbia University Press, 2008), *Centaurus 52*(2) (2010), 168-170.
- Annette Lykknes, Book Review: Barbara Goldsmith, *Obsessive Genius: The Inner World of Marie Curie* (Phoenix 2005), *Ambix 55* (2008), 92-93.
- Annette Lykknes, Book Review: Reinhard Siegmund-Schultze and H. Kragh Sørensen (eds.), *Perspectives on Scandinavian Science in the Early Twentieth Century* (Oslo: Novus Press, 2006), *Centaurus 49*(3) (2007), 253-254.

- Annette Lykknes, "Radiation everywhere!" Book Review: Alan Waltar, *Radiation and Modern Life: Fulfilling Marie Curie's Dream* (Prometheus Books, 2004), *Endeavour* **29** (2005), 136.

### Accounts for websites

- Annette Lykknes, "Ellen Gleditsch (1879-1968): Professor, radiokjemiker og mentor," portrait of Ellen Gleditsch for the new University history web site in Norway ([www.muv.uio.no](http://www.muv.uio.no)), launched in June 2008.
- Annette Lykknes: Portrait of Ellen Gleditsch for the web site celebrating the physics year 2005 ([www.fysikk2005.no](http://www.fysikk2005.no)), May 2005, later published at [www.naturfag.no](http://www.naturfag.no) [web site for science teaching in Norway].

### Exhibitions

- Supervisor for student exhibition "The Colours of Chemistry," Natural Science Library, December 2011- January 2012 [investigating the role played by the chemistry of colours in the history of chemistry and chemical industry].
- Annette Lykknes, "Radioaktivitet i början av 1900-talet." [Radioactivity at the beginning of the 20th century] Text for the exhibition *Marie Skłodowska / Madame Curie* at the NobelMuseum in Stockholm, September 2011-
- Annette Lykknes, "Ellen Gleditsch: Professor, radiokjemiker og kvinnelig forbilde," Natural Science Library, Norwegian University of Science and Technology, Trondheim, October-November 2011 [exhibition about Ellen Gleditsch from 2005 shown again].
- Supervisor for student exhibition "NTH 1910," Natural Science Library, NTNU, January, 2010 [displaying scientific instruments from the Norwegian Institute of Technology c. 1910].
- Annette Lykknes, "Ellen Gleditsch: Professor, radiokjemiker og kvinnelig forbilde," Department of Chemistry, University of Oslo, October-December 2005 [Exhibition about Ellen Gleditsch].
- Annette Lykknes, "Ellen Gleditsch: Professor, radiokjemiker og kvinnelig forbilde," Natural Science Library, Norwegian University of Science and Technology, Trondheim, March-August 2005 [exhibition about Ellen Gleditsch]
- Elisabeth Egholm Jacobsen, Lise Kvittingen, Annette Lykknes, Roland Wittje, Kjersti Ljones and Helge Kjösen, "Dadler, goniometer og fuksin: Glimt fra NTHs kjemihistorie," Natural Science Library, Norwegian University of Science and Technology, Trondheim, November-December 2004 [exhibition on the historical chemistry collection from the former Institute of Technology in Trondheim]

### Other dissemination activities

- Co-organizer of "kjemiløypa" (the chemistry trail) for 12-year olds at NTNU, March, 2009, September 2011.
- Host for school class visits at Department of Chemistry, NTNU, 2008-2009

- Co-organizer of “e” – activity at “Researcher’s night,” an event for students at upper secondary school level at NTNU, September 2008.
- Contributor to in-service courses for teachers on writing as a basic skill, Faculty of Teacher Education, Sør-Trøndelag University College, 2007-2010.