

Curriculum Vitae – Maria Andrée (June 2024)

Maria Kristina Andrée

Born 1974 May 29th

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Department of Teaching and Learning

Stockholm University

106 91 Stockholm

Academic degrees

- 2015 Docent in Science Education (*Naturvetenskapsämnenas didaktik*) at the Faculty of Science, Stockholm University.
- 2007 PhD in Didactics (*Doktorsexamen Didaktik*), Stockholm University (Stockholm Institute of Education).
- 2000 Bachelor of Education for the Compulsory School (*Grundskollärarexamen*) Year 4-9 with a specialization in Mathematics and Science, Linköping University
- 2000 Bachelor of Arts (*Filosofie kandidatexamen*), main subject Education (*Pedagogik*), Linköping University

Education, other

- 2014-2015 “Chefsprogrammet” at Stockholm University (A one-year-long leadership program, 14 full days, for leaders at Stockholm University including topics of academic leadership, the role of being an employer and personal leadership).
- 2010 Completed course ”Forskarhandledning i teori och praktik” (Supervision of doctoral students in theory and practice), The Centre for Learning and Teaching, Stockholm University.
- 2010 Completed course ”Conducting performance reviews with academic staff”, The Human Resources Division, Stockholm University.
- 2009 Completed course ”Introduction to academic leadership” (Nyfiken på ledarskap), Stockholm University, The Royal Institute of Technology, Uppsala University and Karolinska institutet.
- 2006 Completed course ”ICT as a pedagogical tool in higher education”. Stockholm Institute of Education.
- 1999-2000 Evening courses in German at Volkshochschule Esslingen, Germany.

- 1999 (spring) Evening course in German for beginners at Folkuniversitetet Linköping.
- 1994 Technical program in upper secondary school with a specialization in building and construction, Nils Ericsonsgymnasiet, Trollhättan.
- 1991-1992 Exchange student at Powell County High School, Kentucky, USA.

Employment

Academic positions

- 2023 – present Full professor in Science Education (*Didaktik med inriktning mot naturvetenskapliga ämnen*) at the Department of Teaching and Learning (*Institutionen för ämnesdidaktik*), Stockholm University.
- 2022 – 2024 Visting professor in Science Education, Department of Mathematics and Science Education, Mid Sweden University, Sweden
- 2008 – 2023 Senior lecturer in Science Education (*Didaktik med inriktning mot naturvetenskapliga ämnen*) at the Department of Education in Mathematics and Science, from January 2022 the Department of Teaching and Learning (*Institutionen för ämnesdidaktik*), Stockholm University.
- 2007 Deputy senior lecturer in Education at the Department of Social and Cultural Studies in Education, Stockholm Institute of Education.
- 2002-2006 Doctoral studentship at the Department of Social and Cultural Studies in Education, Stockholm Institute of Education and the Swedish National Graduate School in Science and Technology Education (FontD).
- 2000 (fall)-2001 Project assistant at the Department of Social and Cultural Studies in Education, Stockholm Institute of Education.

Absence from research

- 2008-07-21 – 2009-03-16 Parental leave 8 months, child born 2008-07-21.
- 2004-09-13 – 2005-06-30 Parental leave 9 months, child born 2004-09-15.

Positions in school

- 2000 (spring term) Mathematics Teacher at the International School of Stuttgart, Germany.
- 1998 (summer) Summer school teacher in Mathematics and Natural Science subjects for 9th grade students with non-complete compulsory school certificates, Bengtsgården, Bengtsfors kommun.

Research projects/grants

- 2024-2026 “Sustainable models - a comparative study of visual representations of sustainable development in teaching of social science and natural science”. Researcher. Funded by The Swedish Institute for Educational Research (Skolforskningsinstitutet 2023-00024).
- 2023-2025 “Science Studies for Critical Examination of Nature of Science in the Media”. Principal investigator. Funded by The Swedish Institute for Educational Research (Skolforskningsinstitutet 2022-00046).
- 2020-2024 Research school for teacher educators “Relevancing Science and Mathematics Education”. Director Professor Paola Valero. Co-writer and supervisor. Funded by The Swedish Research Council (VR 2019-03679).
- 2018-2020 “Industrial initiatives in school – opportunities and challenges for science and technology education”. Co-principal investigator in collaboration with Lena Hansson, Kristianstad University. Funded by The Swedish Research Council (VR 2017-03657).
- 2015-2016 “Assessment in upper-secondary natural science studies”. A design-based research and development project funded by the Swedish National Agency of Education (reference number 2015:01381). Principal investigator.
- 2015-2021 Scientific leader for research- and development projects within ”Stockholm Teaching and Learning Studies (STLS)” (20% of full-time). Funded by the City of Stockholm.
- 2014-2018 Supervisor PhD-project ”Drama in Science Education”. Funded by Vetenskapsrådet as part of the graduate school NaNO and by Huddinge kommun (local municipality).
- 2013-2015 Scientific leader for research- and development projects in science and technology education within ”Stockholm Teaching and Learning Studies (STLS)” (20% of full-time). In collaboration with the scientific leaders for other subject matter networks (ämnesdidaktiska nätverk) Professor Ingrid Carlgren and Professor Inger Eriksson. Funded by the City of Stockholm.
- 2012-2014 Co-applicant and member of the Nordic network ”Cultural, social and political perspectives on science education”. Main director Professor Malin Ideland, Malmö University. Funded by Riksbankens jubileumsfond.

- 2010 – 2017 Joint principal investigator with PhD. Lena Hansson "Recruitment to Science Education: Actors, Initiatives, Messages". Funded by Stockholm University and Kristianstad University.
- 2010-2015 Project leader PhD-project "Assessing scientific literacy as readiness to deal with civic issues concerned with science". Funded by Stockholm University.
- 2009-2013 Member of "The Network for Research on Literacy Practices" directed by Professor Leif Östman, Uppsala University. Funded by the Swedish Research Council.
- 2009-2012 Participating researcher in the project "Learning, interactive technologies and the development of narrative knowing and remembering (LINT)" directed by Professor Roger Säljö (director, Göteborg University). Funded by The Knut and Alice Wallenberg Foundation, The Bank of Sweden Tercentenary Foundation and The Swedish Research Council programme for the study of Learning and Memory in children and young adults.
- 2007 Project leader of a project on involving parents in classroom work through homework together with junior lecturer Max Strandberg. Funded by the Stockholm Institute of Education.
- 2001-2006 Thesis-project "School science as culture of knowledge" supervised by Professor Ingrid Carlgren (Stockholm Institute of Education), funded by the Swedish National Graduate School in Science and Technology Education, the Stockholm Institute of Education and the Swedish National Agency for Education.

Supervision

Completed supervision of doctoral students

- Jens Anker-Hansen, (PhD), *Assessing Scientific Literacy as Participation in Civic Practice*. Defense October 2nd, 2015. (Main supervisor).
- Eva Björkholm, (PhD), *Konstruktioner som fungerar. En studie av teknikkunnskap i de tidiga skolåren*. [Constructions in function: A study of technical knowing in primary technology education]. Defense September 18th, 2015. (Co-supervisor).
- Kerstin Danckwardt-Lillieström, (licentiate degree). *Drama i kemisalen. En designbaserad studie av hur kreativt drama kan stödja gymnasieelevers lärande av kemisk bindning*. [Drama in the Chemistry classroom. A design-based study of how creative drama may support upper-secondary students' learning on chemical bonding]. Defense April 25th, 2019. (Main supervisor).
- Jonna Wiblom, (PhD), *Cultivating Humanity in Science Education. A Capabilities Approach to Students' Critical Examination of Public Issues in Science Education*. Defense October 2nd 2020. (Main supervisor).

Ongoing supervision of doctoral students

- Kerstin Danckwardt-Lillieström, doctoral thesis on the use of drama in Chemistry education for sustainable development. (Main supervisor, planned defense of doctoral thesis fall 2024).

- Kristin Persson, PhD thesis ecological literacy. (Main supervisor, planned defense of doctoral thesis fall 2024).
- Charlotte Dunne, licentiate thesis on teacher agency in middle-school chemistry teaching. Mälardalen University. (Co-supervisor recruited after 90% seminar March 2021, planned defense of doctoral thesis spring 2025).

Expert supervision

- Engaged as expert supervisor for Anne Solli, PhD-student at Gothenburg University on one of the publications included in her thesis. Defense March 8th 2019.

Supervision of degree projects

Completed supervision of 2 master theses in science education and 2 master theses (degree thesis) in teacher education at Stockholm University and 7 degree theses in teacher education at Stockholm Institute of Education.

Academic leadership and administration

Current

- Dec 2023-2024 Member of “ULF-O”, operative steering group for the “ULF-project” aiming to develop infrastructures and models for close-to-practice research in Swedish schools in collaboration between universities and school providers.
- May 2023-2024 Member of the board for West University (*Högskolan Väst*).
- Fall 2021- Chair of the coordination committee (“lokala samordningsgruppen”) for “ULF försöksverksamhet” at Stockholm University.
- 2022-2024 Substitute board member of the steering group for coordination of “ULF försöksverksamhet” within the Uppsala University group.
- 2021- Member and vice chair of the board for the *NATDID* (National Center for Science Education in Sweden), Linköping University.
- 2019- Head of Graduate School for Teachers in Subject Didactics (*Ämnesdidaktiska forskarskolan, ÄdFo*).
- 2018- Principal coordinator of “ULF försöksverksamhet” at Stockholm University.
- 2018-2023 Member of the board of *Vetenskapens hus* (House of Science Stockholm)

Closed

- Fall 2021 Board member of the steering group for coordination of “ULF försöksverksamhet” within the Uppsala University group.
- 2021 Substitute member of the academic appointments board (*lärarförslagsnämnd*) for the Mathematics and Physics Section at the Faculty of Science, Stockholm University.
- 2018-spring 2021 Member of coordination committee (“lokala samordningsgruppen”) for “ULF försöksverksamhet” at Stockholm University.
- 2018 - 2020 Vice Dean for the Mathematics and Physics Section and member of the Science Faculty Board, Stockholm University
- 2018-2020 Member of the academic appointments board (*lärarförslagsnämnd*) for the Mathematics and Physics Section at the Faculty of Science, Stockholm University.
- 2018-2020 Substitute on the board of *Kemilärarnas resurscentrum* (Resource Centre for Chemistry Teachers)
- 2016-2022 Treasurer of the *International Organization of Science and Technology Education* (IOSTE)

- 2015-2018 Head (prefekt) of Department of Mathematics and Science Education, Stockholm University.
- 2012 - 2017 Member of the Science Faculty Board, Stockholm University
- 2014-2016 Secretary and treasurer of the *International Organization of Science and Technology Education* (IOSTE)
- 2014-2015 Deputy chair (ställföreträdande prefekt) of the Department of Mathematics and Science Education, Stockholm University.
- 2012 - 2014 Member of the board and regional representative for the Nordic countries for the *International Organization of Science and Technology Education* (IOSTE)
- 2013 - 2014 Member (substitute) of the board of the Department of Mathematics and Science Education, Stockholm University.
- 2011 (spring) Member of select committee for teacher education at the Faculty of Science (Läraryttningsutskottet, LUS), Stockholm University.
- 2010 (fall)-2011 (spring) Director of doctoral studies, tertiary level, (with staff responsibilities for PhD students), Department of Mathematics and Science Education, Stockholm University.
- 2009 (spring)-2011 (spring) Member of board of the Swedish National Graduate School in Science, Technology and Mathematics Education Research (FontD).
- 2009 (spring) - 2010 (spring) Director of studies at second and tertiary level (with staff responsibilities for PhD students), Department of Mathematics and Science Education, Stockholm University.
- 2008 (spring) Coordinator of praxis developing research cooperation between university and schools, Regional Center for Development, Stockholm University.
- 2007 Director of studies with staff responsibilities at Division K (division of cultures of knowledge and curriculum theory), Department of Social and Cultural Studies in Education, Stockholm Institute of Education.
- 2002 (spring)-2003 (fall) Coordinator of the development of student teacher school placements and school-university cooperation in the area of Tullinge, Botkyrka municipality.
- 1995-2006 Several different commissions of trust, as a student and doctoral student; locally in student unions at Linköping University (e.g. vice chair of StuFF and LUSIL, member of faculty boards) and Stockholm Institute of Education (e.g. chair of *Doktorandrådet*) as well as nationally within the Swedish National Union of Students (e.g. board member, member of different committees)

Community Service

- Spring 2016- ongoing Member of scientific advisory board for the school development program *Naturvetenskap och teknik för alla*, NTA (Science and Technology for All).
- Fall 2004-2014 Member of editorial board for LMNT-nytt. A journal for members in the association for teachers in mathematics, science and technology (LMNT).

Affiliations

- European Science Education Research Association (ESERA)
- The International Organization for Science and Technology Education (IOSTE)
- Nordic Educational Research Association (NERA)

Review work

Editorial

2019 – ongoing	Member of the editorial board (Lead Editor) of <i>Cultural Studies of Science Education</i>
2017 – 2019	Member of the editorial board of <i>Research in Science Education</i>
2018	Editor IOSTE (<i>International Organization for Science and Technology</i>) proceedings.
2015, 2017, 2019	Section editor ESERA (European Science Education Research Association) proceedings strand 7. <i>Discourse and argumentation in science education</i> .

Reviewer for journals

- Research in Science Education
- International Journal of Science Education: Part A*
- International Journal of Science Education: Part B*
- Cultural Studies in Science Education
- Science Education
- Nordic Studies in Science Education (NorDiNa)
- International Journal of Science and Mathematics Education
- Scandinavian Journal of Educational Research
- Learning, Culture and Social Interaction
- European Journal of Engineering Education
- Education Inquiry
- Utbildning och Demokrati
- Utbildning & Lärande
- Högre utbildning
- Forskning om undervisning och lärande
- Double Helix: A Journal of Critical Thinking and Writing
- Pedagogies: An International Journal
- SAGE Open
- Teacher and Teacher Education

* Award of Reviewer Excellence for *International Journal of Science Education* (A and B) for outstanding scholarly reviews 2020, 2023.

Conference proposals

- IOSTE (International Organization of Science and Technology Education) 2014, 2016, 2018 (organizing committee)
- ESERA (European Science Education Research Association) 2011, 2013, 2015 (strand chair), 2017 (strand chair), 2019 (strand chair), 2021 (strand chair)
- NFSUN (Nordiskt symposium för undervisning i naturfag) 2014

Conference proceedings

- IOSTE 2014, 2018
- ESERA (chair strand 7. *Discourse and argumentation in science education*) 2015, 2017 and 2019.

Book reviews

2015 *The Imaginative Dimension of Science Education* for SpringerBriefs in Education series.

Faculty opponent and doctoral thesis assessments

- 2024 Examiner Sara Ridderlund, *Undervisningstaktik på hal is: En självstudie om kommunikation och undervisningsmetoder i gymnasieskolans hockeyklassrum*, (Licentiate thesis), Gymnastik och idrotthögskolan (GIH).
- 2023 Assessment committee member Anna Johansson, *Children's theatre making: A study of drama and theatre education in the Swedish School of Arts*
- 2021 Assessment committee member Sofie Arnell *Elevens möten med matematik*. Linköping University.
- 2020 Assessment committee member Ann-Sofie Jägerskog *Making possible by making visible - learning through visual representations in social science*, Stockholm University.
- 2019 Opponent Mette Nordby, *School science for vocational students*, Norwegian University of Life Sciences.
- 2019 Examiner Malin Lavett-Lagerström, *Kontextbaserad undervisning i naturvetenskap. Elevens lärandeprocesser och lärarens roll i undervisningen* (Licentiate thesis), Stockholm University.
- 2018 Opponent Kirsti Jegstad, *Science education for our common future: Education for sustainable development in science teacher education*, Norwegian University of Life Sciences.
- 2018 Assessment committee member Geraldine Fauville, *Digital technologies as support for learning about the marine environment*, Gothenburg University.
- 2017 Assessment committee member Anna Bergqvist, *Teaching and learning of chemical bonding models*, Karlstad University.
- 2017 Opponent Sofie Areljung, *Utanför experimentlådan. Kunskapsproduktion, tid och materia i förskolans naturvetenskapsundervisning*, Umeå University.
- 2016 Opponent Tomas Persson, *De naturvetenskapliga ämnesspråken*, Uppsala universitet.
- 2016 Opponent Fredrik Jensen, *The role of recruitment initiatives in young people's choice of STEM-education*, University of Oslo.
- 2014 Opponent/assessment committee member Peer Daugbjerg, *Entanglement of science teacher's lives and work*, Institut for Læring og Filosofi, Aalborg University.

Doctoral thesis manuscript reviews

- 2024 Half-way seminar (doctoral diss.). Azra Ates, Institutionen för pedagogik, didaktik och utbildningsstudier, Uppsala University.
Half-way seminar (doctoral diss.). Aho Shokraiefard, Department of Pedagogical, Curricular and Professional Studies, University of Gothenburg.
25% seminar (doctoral diss.). Noor Alhaj Ibrahim, science education MidSweden University.
- 2022 Final seminar (doctoral diss.) Anna Sjöqvist. Department of Educational Studies, Karlstad University.
- 2022 Final seminar (doctoral diss.) Hannele Junkala, science education. Department of Science and Mathematics Education, Umeå University.

- 2021 Half-way seminar (doctoral diss.) Lotta Dessen Jankell, geography education, Department of Humanities and Social Sciences Education, Stockholm University.
- 2021 Final seminar (licentiate thesis) Charlotte Dunne, chemistry education, Mälardalen University.
- 2021 Final seminar (doctoral diss.) Sofie Arnell, mathematics education, Institutionen för beteendevetenskap och lärande, Linköping University.
- 2020 Final seminar (doctoral diss.) Henning Bengtsson, social science education, Department of Humanities and Social Sciences Education, Stockholm University.
- 2019 Final seminar (doctoral diss.) Marlene Sjöberg, science education, Department of Pedagogical, Curricular and Professional Studies, Gothenburg University.
- 2018 Final seminar (licentiate thesis) Cecilia Eriksson, science education, Department of Mathematics and Science Education, Stockholm University.
- 2015 Final seminar (doctoral diss.) Veronica Flodin, science education, Department of Mathematics and Science Education, Stockholm University.
- 2014 Final seminar (doctoral diss.) Eva Hartell, technology education, School of Education and Communication in Engineering Science, KTH
- 2013 Planning seminar (doctoral diss.) Lotta Leden, science education, Faculty of Education and Society, Malmö University.
- 2012 Half way seminar (doctoral diss.) Per Anderhag, science education, Department of Mathematics and Science Education, Stockholm University.
- 2011 Final seminar (doctoral diss.) Kristina Andersson, science education, the Centre for Gender Research, Uppsala University
- 2010 Half way seminar (doctoral diss.) Annie-Maj Johansson, science education, Department of Mathematics and Science Education, Stockholm University.

External reviewer for academic positions

- 2022 External reviewer for positions as associate professor in in mathematics, science and/or technology education, Umeå University.
- 2021 External reviewer for positions as associate professor in education with a specialization in the learning of younger children and teaching in pre-school in mathematics, science, technology and sustainable development, Gothenburg University.
- 2020 External reviewer for up to four positions as associate professor in science and/or mathematics education, Umeå University.
- 2019 External reviewer for PhD-positions in science and mathematics education in the graduate school Learning in multicultural societal contexts, Malmö University.
- 2018 External reviewer for position as Associate Professor in Biology with a specialization in didactics, MidSweden University.
- 2016 External reviewer for position as Associate Professor in educational sciences with a specialization in science education, Halmstad University.
- 2015 External reviewer for PhD-positions in science and mathematics education, Malmö University.
- 2015 Member of evaluation committees of an Associate Professor position (in higher education and problem-based learning), Aalborg University.

Reviewer for grants/grant assessment committees

- 2021 External evaluation of a research proposal submitted to *The Israel Science Foundation*, on the Personal Research Grants.

- 2020 Member of the assessment committee for the Swedish Institute for Educational Research (*Skolforskningsinstitutet*).
- 2020 External evaluation of a research proposal submitted to *The Israel Science Foundation*, on the Personal Research Grants.

Expert committee assignments

- 2021- Member of expert committee for *CESE – Center of Excellence in Science Education*, Denmark.

Invited seminars and keynotes to universities and conferences

- 2023 Invited presentation “Erfarenheter från praktknära forskning i samverkan. Erfarenheter från det svenska ULF-projektet utifrån ett SU-perspektiv”, meeting with *CESE – Center of Excellence in Science Education*, Denmark at Københavns professionshøjskoler, October 26th, 2023.
- 2022 Invited lecture, “Pursuing a career in science education research – some personal reflections”, PhD & Early Career Meetings at *XX IOSTE symposium*, July 18th, 2022.
- Seminar on ethics in practice-close research at Royal College of Music, Stockholm, November 7th, 2022.
- 2020 Invited lecture, *Science education and science teacher education in Sweden: building sustainable forms of collaboration between academia and the school system*. Pusan National University, Korea. November 26th, 2020.
- 2019 Presentation (together with L. Hansson) *Industriaktörer i skolan – hinder och möjligheter*. The LISMA seminar series at Kristianstad University, November 12 2019.
- Presentation *Building a research environment for teacher-driven research – some demands and possibilities*. Presented at network meeting on Comparative didactics and professional development, November 7 at Uppsala University.
- Presentation *Erfarenheter från Stockholm Teaching and learning Studies*. Presented at *Workshop om praktknära forskning*, April 26 2019, at Södertörn University.
- Presentation (together with I. Eriksson) *A research environment for teacher driven research - some demands and possibilities*. Presented at the symposium “Collective phronesis, An investigation of collective judgement and professional knowledge”, 28-29 March 2019 , Centre for Studies in Practical Knowledge, Södertörn University.
- Member of panel “*Policy, research, practice*”, Nordisk Fagdidaktisk konferens (NoFa). May 15 2019. Stockholm University.
- 2017 Keynote ”Möjligheter och utmaningar i designbaserad forskning som modell för praktikutvecklande forskning”. *Lärarnas forskningskonferens 2017*. Stockholm Teaching & Learning Studies, Nacka gymnasium.

Seminar “Undervisningsutvecklande forskning inom naturvetenskapsämnenas didaktik– exempel från Stockholm Teaching & Learning Studies”. Umeå University. June 14th. Invited by Professor Christina Ottander.

Keynote “Challenges of scientific literacy for science education” at *The Eighth Nordic Conference on Mathematics Education, NORMA 17*. Stockholm University. May 30th.

- 2016 Invitation to act as an expert in the seminar ”The Past, Present and Future of Science Education and Science Education Research: A Multi-perspectival Research Seminar” University of Luxemburg. June 2016. Invited by Professor Christina Siry.
- Invitation to act as discussant at the symposium ”Learning Study som forskningsansats” in the conference *Nationell Ämnesdidaktisk konferens 2016* i Malmö, April 2016. Invited by Professor Ingrid Carlgren.
- 2014 Seminar ”praksisudviklende forskning”, Professionshøjskolen UCC, Denmark. Invited by program director for ”Didaktik og Læringsrum” PhD Vibeke Schrøder.
- 2013 Seminar on Action Research Methodology, the Science, Mathematics, Engineering Education Research group (SMEER), Karlstad University. Invited by Professor Shu-Nu Chang Rundgren.
- 2012 Seminar on ”Identitet och deltakelse i naturfagundervisning”. Seksjonen for Læring og lærerutdanning, Norwegian University of Life Sciences, invited by Professor Erik Knain.
- 2007 Seminar ”Den levda läroplanen”. Departement of Science and Mathematics Education, Umeå University, invited by Professor Margareta Ekborg and Docent Christina Ottander.
- 2004 The EUDIST project on teacher-goverened professional development. IPN/Kiel and Lund University in collaboration. Invited by Ass. Professor Piotr Szybek.
- 2003 Conference, the curriculum division at the Swedish National Agency for Education.
- 2002 Conference on classroom research, Department of Teacher Education and School Research, Oslo University. Invited by Professor Kirsti Klette.
Conference, the curriculum division at the Swedish National Agency for Education.
- Seminar on ethnography, Department of Social and Welfare Studies, Linköping University. Invited by Assoc. Professor Jan Schoultz.
- 2001 Conference, the curriculum division at the Swedish National Agency for Education.

Seminar on cultures of knowledge in science education, Department of Behavioural Sciences and Learning, Linköping University. Invited by Professor Glenn Hultman.

List of publications

Disseration (monograph)

1. **Andrée, M.** (2007). *Den levda läroplanen. En studie av naturorienterande undervisningspraktiker i grundskolan.* [The lived curriculum. A study of science education practices in lower secondary school]. (Doctoral Dissertation.) Stockholm: HLS Förlag.

Peer-reviewed journal articles

2. Persson, K., Andrée, M., & Caiman, C. (accepterad). Becoming-with the bog borne: emotional collectives in ecological fieldwork. *Cultural Studies in Science Education*.
3. Danckwardt-Lillieström, K., Andrée, M., & Rundgren, C-J (2024). Process drama as a tool for participation in explorations of ‘wicked problems’ in upper secondary chemistry education. *LUMAT: International Journal on Math, Science and Technology Education*, 12(2), 50–79. <https://doi.org/10.31129/LUMAT.12.2.2132>
4. Persson, K., Andrée, M., & Caiman, C. (2024). Making kin in the forest: explorations of ecological literacy through contemplative practices in a Swedish folk high school. *Environmental Education Research*. <https://doi.org/10.1080/13504622.2024.2309587>. E-publication ahead of print.
5. Andrée, M., Anderhag, P., Björnhammer, S. & Salomonsson, N. (2024). Aesthetic experience in technology education-the role of aesthetics for learning robotic programming in lower secondary school. *Frontiers in Education*, 9. <https://doi.org/10.3389/feduc.2024.1291070> E-publication ahead of print.
6. Anderhag, P., Andrée, M., Björnhammer, S., & Gåfvels, C. (2024). Den praktiska forskningens bidrag till läraryrkets kunskapsbas – en analys av kunskapsprodukter från kollaborativ didaktisk forskning. *Pedagogisk forskning i Sverige*, 29(1-2), 31-52 <https://doi.org/10.15626/pfs29.0102.02>.
7. Dunne, C., & Andrée, M. (2024). Ekologisk läraragens – en studie av lärares arbete med att forma kemiundervisning på mellanstadiet. *Nordisk tidskrift för allmän didaktik, NoAD*, 9(1), 38-51. <https://doi.org/10.57126/noad.2023.19549>
8. Andrée, M., & Hansson, L. (2024). Inviting the petrochemical industry to the STEM classroom: messages about industry–society–environment in webinars, *Environmental Education Research*, 30(5), 661–676. <https://doi.org/10.1080/13504622.2023.2168623>.
9. Olander, J., Stenberg, C., Stenlund, S., & Andrée, M. (2023). Didactic Reasoning about Using Chemicals in Teaching Upper Secondary Chemistry. *Journal of Chemical Education*, 100, 45-52. <https://doi.org/10.1021/acs.jchemed.2c00511>
10. Persson, K., Andrée, M., & Caiman, C. (2022). Down-to-earth ecological literacy through human and nonhuman encounters in fieldwork. *The Journal of Environmental Education*, 53(2), 99-116. <https://doi.org/10.1080/00958964.2022.2046534>
11. Andrée, M., & Hansson, L. (2022). Teachers’ negotiations of bias in relation to teaching resources offered to schools by industrial actors. *Nordic Journal of Studies in Educational Policy*, 8(1), 52-64. <https://doi.org/10.1080/20020317.2022.2031831>
12. Planting-Bergloo, S., Andrée, M., Reimark, J., Henriksson, E., Björnhammer, S., Dudas, C., Freerks, P-O., Jahdadic, S., Lundström, J., Lavett Lagerström, M., da Luz, J.,

- Nordling, J., Puck, S., Wennerström, P., Westman, F., & Wibom, J. (2021). Att utveckla elevers förmåga att formulera undersökningsbara frågor i naturvetenskap: Mangling av en didaktisk modell. *LUMAT: International Journal on Math, Science and Technology Education*, 9(1), 774-803. <https://journals.helsinki.fi/lumat/article/view/1572>
13. Wiblom, J., **Andrée**, M., & Rundgren, C.-J. (2021). Self-examination, compassion and narrative imagination in students' critical examination in science education. *Learning, Culture and Social Interaction*, 29. 100516. <https://doi.org/10.1016/j.lcsi.2021.100516>.
 14. **Andrée**, M. & Hansson, L. (2021). Industry, science education and teacher agency: a discourse analysis of teachers' evaluations of industry-produced teaching resources. *Science Education*, 105(2), 353-383. <https://doi.org/10.1002/sce.21607>
 15. Danckwardt-Lillieström, K., **Andrée**, M., & Enghag, M. (2020). The drama of chemistry – supporting student explorations of electronegativity and chemical bonding through creative drama in upper secondary school. *International Journal of Science Education*, 42 (11), 1862-1894. <https://doi.org/10.1080/09500693.2020.1792578>.
 16. Wiblom, J., **Andrée**, M., & Rundgren, C.-J. (2020). Navigating alarming media messages about nutrition and health: how students engage in critical examination of science in news media. *Science & Education*, 29, 75–100. <https://doi.org/10.1007/s11191-019-00099-1>
 17. Björnhammer, S., **Andrée**, M., Nordling, J., Dudas, C., Freerks, P-O., Jahdadic, S., Lundström, J., Lavett Lagerström, M., da Luz, J., Planting-Bergloo, S., Puck, S., Reimark, J., Wennerström, P., Westman, F., & Wibom, J. (2020). [Vad kan elever som kan formulera naturvetenskapligt undersökningsbara frågor?](#) *Forskning om undervisning och lärande*, 8(1), 81–104.
 18. **Andrée**, M., & Eriksson, I. (2020). A research environment for teacher-driven research—some demands and possibilities. *International Journal of Lesson and Learning Studies*, 9(1), 67-77. DOI 10.1108/IJLLS-02-2019-0015.
 19. **Andrée**, M. & Hansson, L. (2020). Industrial actors and their rationales for engaging in STEM education. *Journal of Curriculum Studies*, 52(4), 551-576. <https://doi.org/10.1080/00220272.2019.1682055>
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121. **Andrée, M.** (2003). *'Everyday-life' in the Science Classroom*. Paper presented at the ESERA Conference in Noordwijkerhout, the Netherlands, 19-23 August 2003.
122. **Andrée, M.** (2002). *The Construction of Educational Content in Science Classrooms. Developing an Anthropological Perspective*. Paper presented at the Conference on Classroom Research, University of Oslo, 22-24 May.
123. **Andrée, M.** (2002). *Konstruktionen av innehåll i grundskolans naturorienterade undervisning*. Paper presented at the NERA conference 7 – 9 March in Tallin.
124. **Andrée, M.** (2001). *Kunskapskulturer i grundskolans NO-undervisning*. Paper presented at the NERA conference 15-18 March in Stockholm.

Commissioned Reports

125. **Andrée, M.** (2005). *Det allmänna utbildningsområdet i lärarutbildningen – En kort översikt av konstruktionen av det allmänna utbildningsområdet vid olika lärosäten*.

(Working report UoF-avdelningen, Stockholm Institute of Education). Lärarhögskolan i Stockholm.

Outreach publication and communication

Review work for outreach publication

- Jan 2024 Reviewer "NTA skolutvecklings samverkansaktiviteter".
- 2023-2024 Reviewer revised theme for the school program NTA "Kretsar kring el".
- April 2023 Review new digital theme for the school program NTA "Evolution, genetik och genteknik, EGG".
- Oct 2019 Reviewer new theme for the school program NTA "Smartare produkter" (including text book, teacher guidelines and student worksheets).
- May 2019 Reviewer framework for assessment and grading at Anna Withlock upper secondary school.
- April 2019 Reviewer Ellström, P-E. (2019). "NTA-rapport Effektiv kompetensutveckling - Ett ramverk för analys av NTA-programmet" (Report on the NTA-program as a model for professional development).
- August 2017 Reviewer "NTA Kemiförsök" (including text book, teacher guidelines and student worksheets).

Outreach Publications in Professional Journals

- Andrée, M., & Hansson, L. (2023). Gratis undervisningsresurser från industriföretag kräver didaktiska överväganden. *ATENA Didaktik*. <https://doi.org/10.3384/atena.2023.4729>
- Andrée, M., & Hansson, L. (2023). Att tänka på när du får tag i gratismaterial för undervisning. *Bi-lagan*, Nr 2, 2023.
- Andrée, M. (2017). Naturvetenskaplig litteracitet – inte bara en fråga om språk. *LMNT-nytt* 2017: 1, 12-13.
- Andrée, M. (2014). Aktuell forskning i naturvetenskapsämnenas didaktik. *LMNT-nytt* 2014:2.
- Andrée, M. (2013). Hemexperiment – ett sätt att utveckla undervisning om systematiskt undersökande i grundskolans tidigare år, *LMNT-nytt* 2013:1.
- Andrée, M. (2009). Några nya avhandlingar. *LMNT-nytt* 2009:1, 34-35.
- Andrée, M. (2008). Recension: Elfström, Nilsson, Sterner & Wehner-Godée: Barn och naturvetenskap, upptäcka, lära, forska. *LMNT-nytt* 2008:2, 42.
- Andrée, M. (2007). Ny forskning om naturvetenskapens och teknikens didaktik. *LMNT-nytt* 2007:2, 26-28
- Andrée, M. (2006). Vems vardag?! Om vardagsanknytning i grundskolans NO-undervisning, *LMNT-nytt* 2006:2.
- Andrée, M. (2006). Om den svenska skolans förändring under de senaste decennierna. *LMNT-nytt* 2006:1 april, 29.

Outreach lectures and seminars

- May 2023 Lecture "Challenges of scientific literacy in Science Education" at researchEd Hanninge 2023, May 6th.
- May 2022 Lecture "Att undervisa för bildning – Läroplanerna i fokus". Skolverkets föreläsningsserie Läroplanerna i fokus. Publicerad digitalt 2022-05-30 på https://www.youtube.com/watch?v=3IP_nwp8j8A&t=1s.
- Oct 2021 Lecture "Att identifiera undervisningskvalitet". Head teacher conference [Förstelärarkonferens] on "Vetenskaplig grund & undervisningskvalitet", Kunskapsskolan Sverige.

- Aug 2021 Lecture "Några reflektioner kring vetenskaplig grund, professionellt omdöme och kärnvärden", Anna Whitlock upper secondary school, the city of Stockholm.
- May 2021 "Naturvetenskapligt undersökningsbara frågor: Frågestund med Sara, Maria & Sebastian från Stockholm Teaching and Learning Studies". Nationellt centrum för naturvetenskapernas och teknikens didaktik – Natdid. May 31st, 2021.
- Jan 2019- Recurrent seminars with "pedagogiska ledningsgruppen" at Anna Whitlock upper secondary school, the city of Stockholm.
- June 2018 Lecture "Professionellt kollegialt lärande på Kungsholmens gymnasium", Kungsholmen upper secondary school, the city of Stockholm.
- Sept. 2017 Seminar "Undervisningsutvecklande forskning – möjligheter, utmaningar och modeller för forskning i skolan". *Leda lärande*, conference for head teachers and school leaders [konferens för förstelärare, lektor, skolledare och chefer] the City of Stockholm.
- Sept. 2016 Seminar "Scientific literacy – inte bara en fråga om språk". *Leda lärande*, conference for head teachers and school leaders [konferens för förstelärare, lektor, skolledare och chefer] the City of Stockholm.
- Sept. 2016 Seminar "Klassrumsfrågor som forskningsfrågor". *Leda lärande*, conference for head teachers and school leaders [konferens för förstelärare, lektor, skolledare och chefer] the City of Stockholm.
- Sept. 2015 Seminar "Att främja och synliggöra förmågor i de naturvetenskapliga ämnena - erfarenheter från FoU-projekt inom NT-satsningen i Stockholms stad". *Leda lärande*, conference for head teachers and school leaders [konferens för förstelärare, lektor, skolledare och chefer] the City of Stockholm.
- Sept. 2015 Seminar "Stockholm Teaching & Learning Studies – Exempel på undervisningsutvecklande ämnesdidaktisk forskning". *Leda lärande*, conference for head teachers and school leaders [konferens för förstelärare, lektor, skolledare och chefer] the City of Stockholm.
- June 2015 Lecture "Kollegialt forsknings- och utvecklingsarbete" at Kungsholmens gymnasium.
- Sept. 2014 "Professionellt kollegialt lärande", lecture at Kungsholmens gymnasium.
- Jul. 2014 Seminar in Almedalen, "Lärare 3.0", Stockholm University (Publicerat på <http://www.su.se/play/public-lectures/1%C3%A4rare-3-0-s%C3%A4krad-uppdatering-hela-yrkeslivet-1.196750>)
- Feb. 2014 Workshop for teachers on writing proposals for R&D-projects, City of Stockholm
- Nov. 2013 Workshop for teachers on writing proposals for R&D-projects, City of Stockholm
- Oct. 2013 Whole-day seminar on "Pedagogiskt ledarskap med sikte på elevernas lärande", för skolledare i Dalsland, Bengtsfors kommun.
- April 2013 Open lecture "Fantasi, lek och lärande i naturvetenskaplig undervisning", Stockholm University. (Publicerat på <https://www.youtube.com/watch?v=ClAuRe-LxLM>).
- Oct. 2012 Seminar on school development for head masters. Bengtsfors municipality.
- Nov. 2011 Lecture "Varför fysik i skolan?!". NRCF/Sollentuna kommun.
- June 2008 Lecture at symposium on conditions for development of science education, Kunskapsskolan head quarter, Stockholm.
- March 2008 Lecture on 'the lived curriculum' for head masters, Motala municipality.
- March 2008 Lecture on 'the lived curriculum' at Skolportens rikskonferens, conference on educational research for school developers, school leaders and teachers.

Fall 2007 Seminar on the development of tools for assessment, Falkbergsskolan (lower secondary school), Botkyrka municipality.
Presentations 2002, 2003 and 2004 of my ongoing PhD-thesis at days of public research information at the Stockholm Institute of Education.

Podcasts

Episode 6 "Hur hjälper vi elever att formulera naturvetenskapligt undersökningsbara frågor?", Podcast *Lärare & Forskning*, by Lärarstiftelsen in collaboration with Sveriges lärare." May 14th, 2023.
"Maria Andrée om praktiktäna skolforskning", podcast *Skolprat* by Kunskapsskolan Sverige. October 21st, 2019.

Appearances in News Media

Herngren, M. (2017). Panelen. "Hur tycker du att förskolans nya läroplan skall uppmärksamma lek i förskolan?". *Modern barndom*, Nr. 4/17, p. 4.
Lerner, T. (2017). Genom lek tar barnen kommando över sitt eget lärande. *Dagens Nyheter*, June 8, 2017.
Björvall, K. (2016). "Våga vara komplex." *Lära Stockholm*, nr 6. Utbildningsförvaltningen Stockholms stad.
Utbildningsradion (2015), *Seminar in Almedalen, "Lärare 3.0"*, Stockholm University. Broadcast February 11th, 2015 on Kunskapskanalen, SVT.
Nordin, G. (2014). *Samsyn i Almedalen om satsning på lärares kompetensutveckling*. <http://www.su.se/lararutbildningar/om-oss/evenemang/almedalsveckan/samsyn-i-almedalen-om-satsning-p%C3%A5-l%C3%A4rares-kompetensutveckling-1.197340>, July 2014.
Lundström, H. (2013). Hon vill lyfta fram lekens betydelse för lärande. *Lärarytbildningens veckobrev*, Stockholms universitet, May 2013.
Stendahl, E. (2012). Hallå där Maria Andrée... *Pedagogiska magasinet*, 3(12), 21.
Lytsy, A. (2008). När målen blir målet. In A. Lytsy & M. Dahlstrand, *Man måste tycka om dem! Skolportens årsbok 2008*. (pp. 18-27). Skolporten.
Lindgren, H. (2007). Dalslänningen Maria Andrée: I Dalsland känner hon sig hemma. *Dalslänningen*, Thursday 31st July 2007, p. 20.
Tufvesson (2006). Maria forskar på Lärarhögskolan. *Lärarytstudenten*, (4), 10-11.