

CURRICULUM VITAE

Name: Jesús Ricardo Piqueras Blasco

Date of birth: 18th March 1961

Department of Mathematics and Science Education

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Higher education degrees

2001. Master of Education for the Upper Secondary School. Biology and General Science. Stockholm Institute of Education.

1985. Licenciante in Biology. Universidad de Barcelona (Spain).

Doctoral degree

1999. Ph.D. in Plant Ecology. Department of Botany. Stockholm University. Thesis title: Herbivory, pathogens and population dynamics in the pseudoannual plant *Trientalis europaea*.

Postdoctoral work

2000. Post-doctoral research. Institute of Ecology. Universidad Nacional Autónoma de México (México D. F., México).

Current position

2006- Senior Lecturer in Science Education at the Department of Mathematics and Science Education. Stockholm University. Current position since 1st January 2006, formerly at Stockholm Institute of Education.

Previous positions

2004-2006. Guest Lecturer in Science Education. Department of Curriculum Studies and Communication. Stockholm Institute of Education.

2002-2004. Education Officer. Department of Education of the City of Stockholm.

1999-2002. Subject teacher. Biology and General Science. Blackeberg gymnasium (Upper Secondary School in Stockholm). Lectureship from 2001.

1995-1999. Doctoral position. Department of Botany, Stockholm University.

1989-1995. Doctoral studies. Department of Botany, Stockholm University.

1986-1988. Special Educator. Department of Justice. Government of Catalonia. Spain.

Research projects

2000. Project leader: *Population dynamics of understory plants in tropical rain forest*. Post-doctoral project at the Institute of Ecology. Universidad Nacional Autónoma de México (México D. F., México). Financed by Swedish Institute and Instituto Mexicano de Cooperación Internacional (Government of México).

2010-2011. Project leader: *Youths' encounter with the Human Journey*. In collaboration with the Swedish Museum of Natural History. Financed by the Swedish Arts Council.

2010-2013. Partner of the project: *Supporting teachers' agency and learning in teaching secondary school science*, directed by Prof. Per-Olof Wickman (Stockholm University). Financed by the Swedish Research Council.

2014-2015 Project leader: *Tools for museum educators profesional development*. In collaboration with the Swedish Museum of Natural History. Financed by the Swedish Arts Council.

Research grants

1996-1997. Swedish Academy of Science and Czech Academy of Science grant for research exchange.

2000. Post-doctoral grants from the Swedish Institute and Instituto Mexicano de Cooperación International (Government of México).

2010. Museum research grant from the Swedish Arts Council.

2014. Museum research grant from the Swedish Arts Council.

Supervision at research level

2013- Main supervisor for Malin Lavett Lagerström, licentiate student, Stockholm University.

Affiliations

European Science Education Research Association (ESERA). Special Interest Group on Science Education in Out-of-School Contexts.

National Association for Research in Science Education (NARST).

Review assignments

Science Education, Journal of Research in Science Teaching, European Journal of Engineering Education, Enseñanza de las Ciencias, Utbildning & Lärande, Journal of Ecology, Plant Ecology, Ecología Austral.

Administration and commissions

2008- External expert in evaluation of science centers for The Swedish National Agency for Education.

2008- International Departmental Coordinator. Department of Mathematics and Science Education. Stockholm University.

2012. External expert for the project *Naturvetenskap och teknik för alla* (NTA, Swedish Academy of Science).

2012-2013. External evaluator of research projects for Agència de Gestió d'Ajuts Universitaris i de Recerca (Catalonia, Spain).

2013- Member of Scientific Board at the House of Science (Stockholm University and Royal Institute of Technology).

Languages

Spanish (native), Swedish (excellent), English (excellent) and Catalan (good).

PUBLICATION LIST

Peer-reviewed articles

Piqueras, J. & Klimeš, L. 1998. Demography and modelling of clonal fragments in the pseudoannual plant *Trientalis europaea* L.. *Plant Ecology*, **136**, 213-227.

Piqueras, J., Klimeš, L. & Redbo-Torstensson, P. 1999. Modelling the morphological response to nutrient availability in the clonal plant *Trientalis europaea* L.. *Plant Ecology*, **141**, 117-127.

Piqueras, J. 1999. Herbivory and plant performance in the clonal herb *Trientalis europaea* L. *Journal of Ecology*, **87**, 450-460.

Piqueras, J. 1999. Herbivory, pathogens and population dynamics in the pseudoannual plant *Trientalis europaea*. Ph.D. Thesis. Stockholm University. ISBN 91-7153-897-6.

Piqueras, J. 1999. Infection of *Trientalis europaea* by the systemic fungus *Urocystis trientalis*: disease incidence, transmission and effects on performance of host ramets. *Journal of Ecology*, **87**, 995-1004.

Piqueras, J. 2007. Extramural lärande i lärutbildningen (Informal learning in teacher education). *Didaktikens Forum*. Vol. 1. LHS. Stockholm. pp. 56-74.

Piqueras, J., Hamza, K., Edvall, S. 2008. The practical epistemologies in the museum: A study of students' learning in encounters with dioramas. *Journal of Museum Education*, **33** (2), pp. 153-164.

Peer-reviewed conference contributions

Piqueras, J. 2002. Research projects with plants in secondary schools: anything for botanic gardens? 5th International Congress on Education in Botanic Gardens: Connecting with Plants: Lessons for Life. 29 September-4 October, 2002. Sydney.

Piqueras, J., Seneby, N. & Hamza, K. 2008. Learning from young experts. A study of the interplay between students and young experts in a biology lab. Proceedings of the National Association for Research in Science Teaching (NARST) 2008 Annual International Conference. March 30-April 2, 2008, Baltimore.

Piqueras, J., Seneby, N. & Hamza, K. 2008. Learning from young experts. A study of the interplay between students and young experts in a biology lab. Swedish Association for Research in Science Education (FND) Conference. October, 20-21, 2008. Stockholm.

Piqueras, J. 2009. Informal science institutions and learning sciences: Intersections of theories, methods, and implications to practice. Methodological implications. Symposium at the National Association for Research in Science Teaching (NARST) 2009 Annual International Conference. 17-21 April, 2009, Garden Grove.

Piqueras, J. 2009. Interacción en el grupo y el encuentro con la exhibición: Un estudio de aprendizaje en el museo de historia natural mediante el análisis de las epistemologías prácticas. Proceedings of the 8th International Congress on Research in Science Education. Enseñanza de las Ciencias en un mundo en transformación September, 7-10, 2009, Barcelona.

Piqueras, J. & Hamza, K. M. 2011. Learning science in interaction with the exhibit in a museum of natural history. Proceedings of the European Science Education Research Association (ESERA) 2011 Conference. September 5-9, 2011. Lyon.

Piqueras, J. & Edvall, S. 2012. Youths' encounter with The Human Journey. A study of learning in an exhibition of the Swedish Museum of Natural History. I International Workshop in Research on Museum Education. December, 12-14 December, 2012. Sao Paulo.

Piqueras, J., Hamza, K. M., Wickman, P.-O., & Angelin, M. 2013. Enacting the purposes of epistemic practices to promote learning in Secondary Science. Symposium *Promoting epistemic practices in the secondary science classroom* at the National Association for Research in Science Teaching (NARST) 2013 Annual International Conference. 6-9 April, 2013, Puerto Rico.

Hamza, K. M., Piqueras, J., Wickman, P.-O., & Angelin, M. 2013. Risk taking and change in a science teacher professional development program. Symposium *Using research insights to support teachers' learning and agency to teach science* at the European Science Education Research Association (ESERA) 2013 Conference. September 2-7, 2013. Nicosia.

Wickman, P.-O., Hamza, K. M., & Piqueras, J. 2013. Transforming epistemic practices in science education. Contribution to the symposium *Teaching and/as epistemic practice*. European Conference of Educational Research (ECER), 10-13 September, 2013, Istanbul, Turkey.

Hamza, K. M., Piqueras, J., Wickman, P.-O., & Angelin, M. 2015. Using peer review to support epistemic school lab practices. Symposium *Current Challenges about Epistemic Practices and Scientific Practices in Science Education* at the European Science Education Research Association (ESERA) 2015 Conference. 31 August-4 September, 2015. Helsinki.

Piqueras, J., Hamza, K. M., & Palm, O. 2015. Usefulness and value of a theoretical framework in science teachers' practice. Symposium *Perspectives of professional learning* at the European Science Education Research Association (ESERA) 2015 Conference. 31 August-4 September, 2015. Helsinki.

Chapter in book

Piqueras, J. 2004. Research projects with plants in secondary schools: anything for botanic gardens? In Hobson, C. (Ed.), *Papers from the 5th International Congress on Education in Botanic Gardens: Connecting with Plants: Lessons for Life* (pp. 135-138). Botanic Gardens Conservation International. ISBN 0 9539141 6 X.

Piqueras, J. & Edvall, S. 2011. Ungdomars möte med Den mänskliga resan: En studie av meningskapande i museet. In F. Svanberg (Ed.) *Forskning vid museer* (pp. 97-109). Stockholm: Studies 19 / The Museum of National Antiquities. ISSN 0349-8182.

Piqueras, J. & Hamza, K. M. 2011. Learning science in interaction with the exhibit in a museum of natural history. In C. Bruguière, A. Tiberghien & P. Clément (Eds.), *E-Book Proceedings of the ESERA 2011 Conference: Science learning and Citizenship*. Part 8 (co-eds. Miriam Ossevoort and Graça Carvalho), (pp.105-109) Lyon, France: European Science Education Research Association.

Piqueras, J., Wickman, P.-O. & Hamza, K. M. 2012. Student teachers' moment-to-moment reasoning and the development of discursive themes – an analysis of practical epistemologies in a natural history museum exhibit. In E. Davidsson & A. Jakobsson (Eds.), *Understanding interactions at science centers and museums. Approaching sociocultural perspectives* (pp. 79-96). Rotterdam: Sense Publishers.

Piqueras, J. 2014. Vad lär sig eleverna när undervisning flyttar till museet? In B. Jakobson, I. Lundegård & P.-O. Wickman (Eds.) *Lärande i handling. En pragmatisk didaktik* (pp. 99-108). Lund: Studentlitteratur.

Popular science presentations

Piqueras, J. 2003. How can we use an aquarium as a pedagogic resource in Storyline? International Storyline Conference 2. 3-5 November 2003. Elsinore.

Piqueras, J. 2008. Nature centre-a Storyline in Science teacher Education. Storyline/ Education for Sustainable Development Nordic Conference. 11-12 April 2008, Gothenburg.

Piqueras, J. & Hamza, K. M. 2012. Hur kan man stödja lärandeprocession? Skolforum. October 31th, 2012. Stockholm.

Hamza, K. M. & Piqueras, J. 2013. Forskning kan omsättas i undervisningen. Public Lecture at Stockholm University. May 5th, 2013. Stockholm.

Piqueras, J. & Edvall, S. 2013. Exploring the exhibition. The 9th Hands On! International conference. Explore! 7-11 October. Stockholm.

Piqueras, J. 2016. Naturvetenskapsundervisning i extramurala miljöer. LMNT-nytt, **1**, pp. 12-13.