

Publications 1992-2021

1. Gunnarsson, S., 1992. Partitions in an alternative housing system for laying hens as an environmental enrichment. Nordic Meeting on Applied Ethology, Lund 9-10 December 1992. Abstract.
2. Gunnarsson, S., 1993. Can partitions within the compartments support the formation of subgroups? Aspects on animal health and behaviour in an alternative housing system for laying hens. Djurhälsa och beteende i nya inhysningssystem för värphöns. Konferensrapport, SLU, Husdjurskonferens, 27-28 januari 1993. Poster, s. F:1
3. Algers, B., Gunnarsson, S., Keeling, L. and J. Svedberg, 1993. Redovisning av forskning, försök och utveckling i Jordbruksverkets rapport Alternativa inhysningssystem för värphöns. SJV Rapport 1993:14, bilaga 6, p.1-36
4. Gunnarsson, S., 1993. Social behaviour and clinical health in a loose housing system for layers. International Congress on Applied Ethology. 3rd Joint Meeting, Berlin 26-30 July 1993. Programme and Abstract, p. 57
5. Gunnarsson, S., Odén, K. and D. Viske, 1993. Social behaviour and clinical health in a loose housing system for layers. International Congress on Applied Ethology. 3rd Joint Meeting, Berlin 26-30 July 1993. Proceedings, p. 144-148.
6. Gunnarsson, S., 1994 Social behaviour and clinical health in a loose housing system for layers. Applied Animal Behaviour Science, 40: 80-81.
[http://dx.doi.org/10.1016/0168-1591\(94\)90105-8](http://dx.doi.org/10.1016/0168-1591(94)90105-8)
7. Algers, B., Ekstrand, C., Gunnarsson, S., Keeling, L., Odén, K., Onila, M. and J. Svedberg, 1994. Redovisning av forskning, försök och utveckling i Alternativa inhysningssystem för värphöns. Lägesrapport 1 september 1994 SJV Rapport 1994:13, bilaga 5:3, 7:4, 9 + 8 pages.
8. Gunnarsson, S., Odén, K., Algers, B., Svedberg, J. and L. Keeling, 1995. Poultry health and behaviour in a tiered system for loose housed layers. Department of Animal Hygiene, SLU Skara. Report 35, 112 p.
9. Gunnarsson, S., and J. Svedberg, 1995. Kräv frihet från kvalster. Tidskriften Fjäderfä 1995 (5):20.
10. Gunnarsson, S., 1995. Animal Welfare in Central Europe and Scandinavia. In: Animal Welfare - International Directions Post-GATT, Consultative Committee, Hamilton, New Zealand, September, 22 1995. Ed. Matthews, L.: p 2-4

11. Algers, B. Ekstrand, C. Geismar, J., Gunnarsson, S., Odén, K., Onila, M. and J. Svedberg, 1995. Utvärdering av OLI Voletage inhysningssystem för värphöns. Department of Animal Hygiene, SLU Skara. Special report 31, 35 pages.
12. Ekstrand, C. Algers, B. Geismar, J., Gunnarsson, S., Odén, K., Onila, M. and J. Svedberg, 1996. Utvärdering av inhysningssystemet OLI-voletage för frigående värphöns. Svensk Veterinärtidning (Swedish Veterinary Journal) 48 (6): 287-294.
13. Gunnarsson, S., and L.R. Matthews, 1996. The demand for straw and feathers as litter substrates for layer hens, 8th Nordic Meeting on Applied Ethology, Uppsala 22-23 January 1996. (Abstract to oral paper).
14. Gunnarsson, S., Matthews, L.R., Foster, T.M. and W. Temple, 1996. The demand for straw and feathers as litter substrates for layer hens, 30th International Congress on Applied Ethology, Guelph, Canada 14-17 Augusti 1996. p. 96.
15. Gunnarsson, S. and L.R. Matthews, 1996. Behöver värphönan strömaterial ? Sammanfattning till föredrag vid Nordisk Konsulent- och Veterinærmøte, Stavanger, Norge, 21-23 November 1996. 2 p.
16. Gunnarsson, S., Matthews, L.R., Foster, T.M. and W. Temple, 1997. The advantages and limitations of using demand functions to measure the importance of straw and feathers as litter for laying hens. 5th European Symposium on Poultry Welfare, Wageningen, Netherlands. 7-10 June 1997, p 201-202.
17. Algers, B., Ekstrand, C., Geismar, J., Gunnarsson, S., Odén, K., Onila, M. and J. Svedberg, 1997. Pre-testing of new technique from an animal health and welfare point of view of the alternative systems for laying hens. 9th International Congress on Animal Hygiene, Helsinki, Finland, 17-21 August 1997, p 404-407.
18. Gunnarsson, S., Algers, B. and J. Svedberg, 1997. Description and evaluation of a method for clinical inspections of laying hens. 9th International Congress on Animal Hygiene, Helsinki, Finland, 17-21 August 1997, p 281-284.
19. Ekstrand, C., Gunnarsson, S., Odén, K., Onila, M. Algers, B., and J. Svedberg, 1997. Utvärdering av Vencomatic inhysningssystem för värphöns. Specialarbete 4. Inst. f. Husdjurens miljö och hälsa. 47 sidor.
20. Algers, B., Ekstrand, C., Gunnarsson, S., Odén, K. Onila, M. and J. Svedberg, 1997. Utvärdering av OLI Voletage inhysningssystem för värphöns. Kompletterande rapport. Supplement till Specialarbete 31. Inst. f. Husdjurshygien. 26 sidor.
21. Gunnarsson, S., Keeling, L.J. and J. Svedberg, 1998. Using epidemiology to investigate behavioural problems in laying hens. 10th Nordic Meeting on Applied Ethology, Tune, Denmark 28-30 January. 1998. (Abstract to oral paper).
22. Gunnarsson, S., Keeling, L.J. and J. Svedberg, 1998. Epidemiological study on the effects of early access to perches on the prevalence of mislaid eggs and cloacal cannibalism in loose housed laying hens. Poster at The Annual conference of The

Society for Veterinary Epidemiology and Preventive Medicine. Ennis, Ireland, 25-27 March 1998

23. Gunnarsson, S., Keeling, L.J. and J. Svedberg, 1998. Effects of rearing conditions on behavioural problems in laying hens; An epidemiological approach. 32th International Congress on Applied Ethology, Clermont-Ferrand, France, 21-25 July 1998. p. 57 (Oral paper).
24. Gunnarsson, S., 1998. Nya och nygamla inhysningsformer för värphöns. Allmänt Veterinärmöte, Uppsala 18-20 November 1998, sidan 29-35. (inbjuden föreläsare)
25. Gunnarsson, S., Yngvesson, J., Keeling, L.J. and B. Forkman, 1999. Early access to perches enhances spatial awareness in the domestic hens. 11th Nordic Meeting on Applied Ethology, Flämslätt, 27-29 January. 1999. (Abstract to oral paper).
26. Gunnarsson, S., 1999 Vårt samarbete Pressmeddelande till en presskonferens i Åbo, 18 februari 1999.
27. Gunnarsson, S., Keeling, L.J. and J. Svedberg, 1999. Effects of rearing factors on the prevalence of floor eggs, cloacal cannibalism and feather pecking in commercial flocks of loose housed laying hens. *British Poultry Science*.40 (1): 12-18.
<http://dx.doi.org/10.1080/00071669987773>
28. Gunnarsson, S., 1999. Beteenderelaterade sjukdomar hos värphöns Jordbrukskonferensen 1999 - forskning inför det nya seklet. Ultuna 24-25 mars 1999, 42-43.
29. Gunnarsson, S., 1999 Nordisk kongress om husdjurens beteende och välfärd i Skara. *Svensk Veterinärtidning (Swedish Veterinary Journal)* 51(4): 203-204.
30. Gunnarsson, S., Yngvesson, J., Keeling, L.J. and B. Forkman, 1999. Early access to perches enhances spatial awareness in the domestic hens. 33rd International Congress, on Applied Ethology, Lillehammer, Norge 17-21 August 1999. p 62.
31. Gunnarsson, S., 1999. Friskt och sjukt bland ekohöns, Konferens för ekologiskt lantbruk, Centrum för uthålligt lantbruk vid SLU, Alnarp, 8-10 november 1999. Sammanfattningar av föredrag sidan: 91-93. (Invited paper)
32. Gunnarsson, S., Matthews, L.R., Foster, T.M. and W. Temple, 2000. The demand for straw and feathers as litter substrates for layer hens. *Applied Animal Behaviour Science* 65 (4): 321-330. [http://dx.doi.org/10.1016/S0168-1591\(99\)00065-9](http://dx.doi.org/10.1016/S0168-1591(99)00065-9)
33. Gunnarsson, S., Yngvesson, J., Keeling, L.J. and B. Forkman, 2000. Rearing with early access to perches impairs spatial skills of laying hens. *Applied Animal Behaviour Science* 67(3): 217-228. [http://dx.doi.org/10.1016/S0168-1591\(99\)00125-2](http://dx.doi.org/10.1016/S0168-1591(99)00125-2)
34. Gunnarsson, S., 2000 Laying hens in loose housing systems. Clinical, ethological and epidemiological aspects. *Acta Universitatis Agriculturae Sueciae, Veterinaria* 73, 44 p.

35. Lundén, A., Thebo, P., Gunnarsson, S., Hooshmand-Rad, P. Tauson, R. and A. Uggla, 2000. Eimeria infections in litter-based high stocking density systems for loose housed laying hens in Sweden. *British Poultry Science*, 41:440-447.
<http://dx.doi.org/10.1080/713654973>
36. Gunnarsson, S., 2000. Housing systems for laying hens used in Sweden. 51st annual meeting of the European Association for Animal Production, The Hague, August, 21-24, 2000.
37. Gunnarsson, S., 2000. Housing systems for laying hens used in Sweden. Published in *Improving health and welfare in production animals. Proceedings of sessions of the EAAP commission on animal management and health*. EAAP publication No. 102: 127-132. (Invited oral paper).
38. Gunnarsson, S., 2001. Effekter av tidig tillgång till dagsljus hos värphöns. Centrum för ekologiskt lantbruk CUL, SLU, Konferens på Ultuna den 13-15 november 2001, p 365-366.
39. Keeling, L.J. and S. Gunnarsson, 2002. Swedish teaching in bioethics in animal agriculture with emphasis on animal welfare. Teaching bioethics in agricultural and veterinary higher education in Europe. Workshop proceedings from Aristoteles Project in INPL-Nancy, France. 23-24 may 2002. p 87-90.
40. Lerner, H., Gunnarsson, S., Nordenfelt, L., Vikinge, L., Lindahl B.I.B. and B. Algers, 2002. Welfare and well-being in animals: Towards a richer conceptual framework and a better agreement between human and animal science. 36th International Congress on Applied Ethology, Egmond an Zee, The Netherlands 6-10 August 2002, p 85.
41. von Wachenfelt, H., Odén, K. and S. Gunnarsson, 2002. Värphöns i lågbeläggningsssystem. (Laying hens in low density floor systems.) Department of Agricultural biosystems and technology, SLU Alnarp. Special report 237, 78 p.
42. Öborn, I., Sonesson, U., Stern, S., Berg, C., Gunnarsson, S., and C-J Lagerkvist, 2002. Uthållighetsbrister i livsmedelskedjan – en intervjuundersökning. (Identifying weak links in the sustainable food chain- an interview survey.) Report MAT21 no 6/ 2002, 43 p.
43. Berg, C. Gunnarsson, S. and K. Odén, 2003. Can pre-testing of new technique be used to evaluate acceptable stocking density for turkey breeder hens? 11th International Congress on Animal Hygiene, Mexico City, 23-27 February 2003, p 253-257.
44. Berg, C. Gunnarsson, S. and K. Odén, 2003. Djurhälso- och djurskyddsaspekter på inhysning av avelskalkoner. På uppdrag av Statens Jordbruksverk. Department of Animal Environment and Health, SLU Skara. Special report 20, 40 p.
45. Sonesson, U., Gunnarsson, S., Nybrant, T., Stern, S., Öborn, I. and C. Berg, 2003. Att skapa framtidsbilder- En metod för att utforma framtidsscenarioer för uthållig

livsmedelsproduktion. (How to create images of the future – A method for developing future scenarios for sustainable food production.) Report MAT21 no 3/ 2003, 21 p.

46. Odén, K., Gunnarsson, S., Berg, C.& B. Algers, 2003. Male influence on fear measure by tonic immobility and vigilance behaviour in large flocks of laying hens. 37th International Congress on Applied Ethology, Abano Terme, Italy, 24-28 June 2003, p 58.
47. Gunnarsson, S., Högberg, A., Neil, M., Pickova, J., Wichman, A. Wigren, I., Uvnäs-Moberg, K. and Rydhmer, L, 2003. Effects of polyunsaturated fatty acid content in sow feed on the behavioural development of piglets. 37th International Congress on Applied Ethology, Abano Terme, Italy, 24-28 June 2003, p 155.
48. Sonesson, U., Berg, U., Gunnarsson, S., Nybrant, T., Stern, S., and I. Öborn, 2003. Scenario Construction for Sustainable Agricultural Production. Industrial Ecology and Sustainable Future- §2003 Conference of the International Society of Industrial Ecology, Ann Arbor, Michigan, USA.
49. Stern, S., Gunnarsson S., Öborn, I. and U. Sonesson, 2003. Future scenarios for sustainable pig production, which way ahead? 54th annual meeting of the European Association for Animal Production, Rome, August 31st –September 3rd, 2003.
50. Stern, S., Gunnarsson, S., Kumm, K-I, Sonesson, U. and Öborn, I., 2003. Future scenarios for sustainable pig production- which way ahead? Presented at the 54th Annual meeting of the European Association for Animal Production, Rome, Italy. August 31st –September 3rd, 2003.
51. Gunnarsson, S., Cerenius, F., Jakobsson, T., Borgvall, H., Gustafsson, G. and D. Ullgren, 2003. Inventering av utgångsdjur i Västra Götalands län. Länsstyrelsen Västra Götaland 2003:20. 28 p.
52. Gunnarsson, S., Cerenius, F. and T. Jakobsson, 2003. Bättre djurskydd behövs vid extensiv köttproduktion. Jordbiten. Nyheter från Lantbruksenheten, Länsstyrelsen i Västra Götaland 3:12.
53. Stern, S., Gunnarsson, S., Kumm, K-I, Nybrant, T, Sonesson, U. and Öborn, I., 2003. Uthållig svinproduktion, vilken väg leder framåt? Tre framtidsscenarioer för svinproduktion. Centrum för ekologiskt lantbruk CUL, SLU, Konferens på Ultuna den 18-19 november 2003, poster.
54. Gunnarsson, S., Braastad, B., Bakken, M., Janczak, A., Forkman, B., Brinch Jensen, A., Saloniemi, H., Valros, A., Heikkilä, M., Keeling, L., and A. Wichman, 2003. Modification of rearing conditions to improve welfare of layers: Basic and applied ethological studies. Poster at Nordic Poultry Consultant and Veterinary Conference, Stockholm, 20-22 November 2003
55. Gunnarsson, S., Cerenius, F. and T. Jakobsson, 2004. Djurskydd hos västsvenska utgångsdjur. (Animal Welfare in free range cattle in western of Sweden) Svensk Veterinärtidning (Swedish Veterinary Journal), 2004:1, 11-18.

56. Gunnarsson, S., Cerenius, F. and T. Jakobsson, 2004. Animal welfare in free range cattle – An inventory study of farms in the Western of Sweden. 38th International Congress on Applied Ethology, Helsinki, Finland, 3-8 August 2004, p 178.
57. Heikkilä, M., Wichman A., Gunnarsson, S., Keeling, L.J. and A. Valros, 2004. Development of perching behaviour in chicks. 38th International Congress on Applied Ethology, Helsinki, Finland, 3-8 August 2004, p. 256.
58. Gunnarsson, S. 2004. Interdisciplinary research – buzz word or scientific method? Abstract at the Workshop ‘The interface between social science and animal science’ at the 38th International Congress on Applied Ethology, Helsinki, Finland, 4 August 2004, 1 p.
59. Gunnarsson, S. 2004. Sustainable animal husbandry- conflicts of interest. In: The FOOD 21 Symposium – Towards sustainable production and consumption. MAT21 rapport nr2/ 2004. (Editors M. Nordberg and T. Nybrant) Uppsala 26-28 April 2004. p. 64-68.
60. Nybrant, T., Gunnarsson, S., Kumm, K-I, Sonesson, U., Stern, S. and Öborn, I., 2004. Development and evaluation of scenarios of future food production. In: The FOOD 21 Symposium – Towards sustainable production and consumption. MAT21 rapport nr2/ 2004. (Editors M. Nordberg and T. Nybrant) Uppsala 26-28 April 2004. p. 133-136.
61. Stern, S., Gunnarsson, S., Kumm, K-I, Nybrant, T, Sonesson, U. and Öborn, I., 2004. Future food production - a case study on pig production. In: The FOOD 21 Symposium – Towards sustainable production and consumption. MAT21 rapport nr2/ 2004. (Editors M. Nordberg and T. Nybrant) Uppsala 26-28 April 2004. p. 137-141.
62. Gunnarsson, S., Cerenius, F. and T. Jakobsson, 2004. Djurskydd hos västsvenska utegångsdjur – Inventering av besättningar med extensiv betesdrift för nötkreatur i Västra Götalands län. Nöthälsonytt 1/2004:8-10.
63. Gunnarsson, S., Cerenius, F. and T. Jakobsson, 2004. Animal health and welfare in free range cattle – A survey of farms of Western of Sweden. International Congress on Animal Hygiene, Saint-Malo, France, 11-13 October 2004, p 491-492.
64. Gunnarsson, S., 2004. The effect of the rearing environment on the prevalence of behaviour related diseases in loose housed laying hens. International Congress on Animal Hygiene, Saint-Malo, France, 11-13 October 2004, p 47-48.
65. Gunnarsson, S., 2004. Definitions of health and disease in textbooks of veterinary medicine. International Congress on Animal Hygiene, Saint-Malo, France, 11-13 October 2004, p 105-109.
66. Odén, K., Berg, C., Gunnarsson, S. and Algers, B. 2004. Male rank order, space use and female attachment in large flocks of laying hens. *Appl. Anim. Behav. Sci.* 87: 83-94. <http://dx.doi.org/10.1016/j.applanim.2005.03.003>

67. Stern, S., Sonesson, U. Gunnarsson, S., Öborn, I., Kumm, K-I, and T. Nybrant, 2005. Sustainable development of food production – a case study on scenarios for pig production. *AMBIO* 34 (4-5): 402-407. <http://www.jstor.org/stable/4315622>
68. Kumm, K-I, Stern, S., Gunnarsson, S., Nybrant, T, Sonesson, U. and Öborn, I. 2004. Framtidsscenarioer för uthållig svensk nötköttsproduktion. Jordbrukskonferensen 2004 Ultuna 23-24 november SLF Rapport nr 68, p 190.
69. Sonesson, U., Gunnarsson, S., Kumm, K-I, Nybrant, T, Stern, S., and Öborn, I., 2004. Målbildsscenarioer för framtida svensk mjölkproduktion. Jordbrukskonferensen 2004 Ultuna 23-24 november SLF Rapport nr 68, p 192.
70. Stern, S., Gunnarsson, S., Kumm, K-I, Nybrant, T, Sonesson, U. and Öborn, I, 2004. Uthållig svinproduktion, vilken väg leder framåt? Tre framtidsscenarioer för svinproduktion. Jordbrukskonferensen 2004 Ultuna 23-24 november SLF Rapport nr 68, p 202.
71. Gunnarsson, S., Cerenius, F. and T. Jakobsson, 2004. Djurskydd hos utegångsdjur - En inventering av besättningar i Västra Götalands län. Jordbrukskonferensen 2004 Ultuna 23-24 november SLF Rapport nr 68, p 203.
72. Lervik, S., Furnes Bagley, M. and S. Gunnarsson, 2004. Utprøving av oppal med verpehøns til løsdrift i flere etasjer – første års erfaringer. *Fjørfe* 2004(2): 74-76.
73. Gunnarsson, S. and R. Tauson, 2004. Unghönsuppfödning i svenska besättningar: Kycklingarnas första tid. *Tidskriften Fjäderfä* 2004 (9): 78-79.
74. Heikkilä, M., Gunnarsson S. and A. Valros, 2005. Effect of different light rhythms and light sources on the behaviour of chicks. 17th Nordic Symposium of the ISAE, Tune, Denmark, 13 - 15 January 2005, Danish Institute of Agricultural Sciences, Internal Report No214 p 25-26.
75. Kumm, K-I., Stern, S., Gunnarsson, S., Nybrant, T., Sonesson, U. and I. Öborn, 2005. Framtidsscenarioer för uthållig svensk nötköttsproduktion. Rapport MAT21 nr 1/2005, 18 pages.
76. Kumm, K-I., Stern, S., Gunnarsson, S., Nybrant, T., Sonesson, U. and I. Öborn, 2005. Future scenarios for sustainable beef production in Sweden. 56th Annual meeting of the European Association for Animal Production, Uppsala, Sweden, 5-8 June, 2005 p. 314.
77. Heikkilä, M., Gunnarsson S. and A. Valros, 2005. Effect of light rhythm and light source on the diurnal behaviour of chicks. 39th International Congress on Applied Ethology, Sagamihara, Japan 20-24 August, 2005, p.77.
78. Stern, S., Sonesson, U., Gunnarsson, S., Kumm, K-I., Öborn, I. & T. Nybrant, 2005. Sustainable pig production in the future – development and evaluation of different scenarios. Report FOOD21 No5/2005, 98 pages.

79. Odén, K., Berg, C., Gunnarsson, S. and Algers, B. 2005. Effects of sex composition on fear measured as tonic immobility and vigilance behaviour in large flocks of laying hens. *Applied Animal Behaviour Science*, 95:89-102.
<http://dx.doi.org/10.1016/j.applanim.2005.03.003>
80. Sonesson, U., Gunnarsson, S., Kumm, K-I., Stenberg, M., Stern, S., Ventorp, M., Öborn I. and T. Nybrant, 2005. Scenarier för uthållig svensk produktion - gris, nöt och mjölk. Report FOOD 21 no 8/2005, 31 pages.
81. Gunnarsson, S., Sonesson, U., Stenberg, M., Kumm, K-I. and M. Ventorp, 2005. Scenarios for future Swedish dairy farming - a report from the Synthesis group of FOOD 21. Report FOOD 21 no 9/2005, 80 pages.
82. Gunnarsson, S., 2005. välmående djur utomhus – om bonden anstränger sig. I: Djuren i människans klor. Formas fokuserar (Ed. Birgitta Johansson). p. 175-182.
83. Tauson R., Holm K-E., Gunnarsson, S., Jacobsson G.& K. Elwinger, 2005. Unghönsuppfödning i Sverige - effekt av beläggningsgrad och inhysningsform på hälsa och produktion Prel. slutrapport vid Forum forskning – Linköping 20051028. SFS-Svenska ägg. Sidor: 1 – 2.
84. Heikkilä, M., Gunnarsson S. and A. Valros, 2006. Light source preferences in laying hens. 18th Nordic Symposium of the ISAE, Espoo, Finland, 16 - 18 January 2006.
85. Heikkilä, M., Wichman A., Gunnarsson S. and A. Valros, 2006. Development of perching behaviour in chicks reared in enriched environment. *Applied Animal Behaviour Science*, 99(1-2):145-156. <https://doi.org/10.1016/j.applanim.2005.09.013>
86. Lund, V., Appleby, M. C., Coleman, G. Gunnarsson, S. and K. Karkinen., 2006. Animal welfare science – Working at the interface between the natural and social science. *Applied Animal Behaviour Science*, 97:37-49.
<https://doi.org/10.1016/j.applanim.2005.11.017>
87. Tind Sørensen, J., Edwards, S., Noordhuizen, J. and S. Gunnarsson, 2006. Animal production systems in the industrialised world. OIE Scientific and Technical Review (Revue Scientifique et Technique -Office International des Epizooties (Rev. sci. tech. Off. int. Epiz)), 25 (2): 493-503.
<https://pdfs.semanticscholar.org/2e19/55a0303190015a0af621498b724f73f1b4c9.pdf>
88. Heikkilä, M., Gunnarsson S. and A. Valros, 2006. Light source preferences in laying hens. 40th International Conferences of the ISAE, Bristol, UK, 8-12 August, 2006, p. 225.
89. Gunnarsson, S. 2006. The conceptualisation of health and disease in veterinary medicine. *Acta Veterinaria Scandinavica*, 48:20 (7 Nov 2006) 1-6.
<https://doi.org/10.1186/1751-0147-48-20>

90. Wiberg, S. and S. Gunnarsson, 2007. Health and welfare in Swedish game bird rearing. International Congress on Animal Hygiene, Tartu, Estonia, 17-21 June, 2007. p. 321-326.
91. Gunnarsson, S., Sonesson, U., Stenberg, M. and Kumm, K-I., 2007. Sustainability of future Swedish dairy farming; Scenarios for animal health, environment and economy. International Congress on Animal Hygiene, Tartu, Estonia, 17-21 June, 2007. p 428-433.
92. Gunnarsson, S., Sonesson, U., Kumm, K-I, Nybrant, T, Stern, S., and Öborn, I., 2007. Playing games for the future: A method for construction and evaluation of scenarios for sustainable animal production. International Congress on Animal Hygiene, Tartu, Estonia, 17-21 June, 2007. p. 492-597.
93. Gunnarsson, S. and Sonesson, U. 2007. A method for construction and evaluation of scenarios for sustainable animal production, with an application on future Swedish dairy farming. EurSafe2007 - Sustainable Food Production and Ethics. 7th Congress of the European Society for Agriculture and Food Ethics. September 13-15, 2007, Vienna, Austria. Wageningen University Press, Netherlands, p 157-162.
94. Wiberg, S. and Gunnarsson, S. 2007. Inventering av hållning och uppfödning av viltfågel i Sverige. (A survey of game bird rearing in Sweden) Dept. of Animal Environment and health, SLU Skara. Report 17. 65 pages.
95. Gunnarsson, S., Heikkilä, M., Hultgren, J. and A. Valros, 2008. A note on light preference in layer pullets reared in incandescent or natural light. Applied Animal Behaviour Science, 112: 395–399. <https://doi.org/10.1016/j.applanim.2007.09.004>
96. Algers, B., Gunnarsson, S. and L. Nordenfelt, 2008. Kap 1. Inledning. I: Djur är väl också människor. En antologi om hälsa och välbefinnande i djurs och människors värld. (Ed. Algers, Gunnarsson and Nordenfelt). Dept. of Animal Environment and health, SLU Skara. Report 20, 5-9.
97. Gunnarsson, S. 2008. Kap 3. Hälsodefinitioner i veterinärmedicinen. I: Djur är väl också människor. En antologi om hälsa och välbefinnande i djurs och människors värld. (Ed. Algers, Gunnarsson and Nordenfelt). Dept. of Animal Environment and health, SLU Skara. Report 20, 21-30.
98. Gunnarsson, S. 2008. Kap 4. Olika sjukdomsklassificeringar inom human- och veterinärmedicinen. I: Djur är väl också människor. En antologi om hälsa och välbefinnande i djurs och människors värld. (Ed. Algers, Gunnarsson and Nordenfelt). Dept. of Animal Environment and health, SLU Skara. Report 20, 31-39.
99. Gunnarsson, S., Heikkilä, M. and A. Valros, 2008. Effect of day length and natural versus incandescent light on perching and the diurnal rhythm of feeding behaviour in layer chicks (*Gallus g. domesticus*). Acta Agriculturae Scandinavica, Section A - Animal Sciences. 58(2): 93-99.
<http://dx.doi.org/10.1080/09064700802363852>

100. Gunnarsson, S., 2008. Book review: Cherry, P, Morris, T (eds): Domestic duck production – Science and practice. *Reproduction in Domestic Animals*, 43: 767-767.
101. Rodriguez-Martinez, H., Hultgren, J., Båge, R., Bergqvist, A-S., Svensson, C., Bergsten, C., Lidfors, L., Gunnarsson, S., Algers, B., Emanuelson, U., Berglund, B., Andersson, G., Håård, M., Lindhé, B., Stålhammar, H. and H. Gustafsson, 2008. Reproductive performance in high-producing dairy cows: Can we sustain it under current practice? In: *IVIS Reviews in Veterinary Medicine*, I.V.I.S. (Ed.). International Veterinary Information Service, Ithaca NY (www.ivis.org), Last updated: 12-Dec-2008; R0108.1208. pp.1-23.
102. Wiberg, S. and S. Gunnarsson, 2009. Health and welfare in Swedish game bird rearing. In: *Sustainable Animal Production* (Ed. Aland, A and F. Madec). Wageningen University Press, Netherlands, p. 395-407.
103. Gunnarsson, S., Sonesson, U., Nybrant, T, Stern, S., and I. Öborn, 2009. A method for construction and evaluation of scenarios for sustainable animal production. In: *Sustainable Animal Production* (Ed. Aland, A and F. Madec). Wageningen University Press, Netherlands Wageningen University Press, Netherlands, p. 433-444.
104. Gunnarsson, S., Sonesson, U., Stenberg, M. and K-I. Kumm, 2009. Scenarios for future Swedish dairy farming in relation to sustainability of animal health, environment and economy. In: *Sustainable Animal Production* (Ed. Aland, A and F. Madec). Wageningen University Press, Netherlands, p. 445-458.
105. Gunnarsson, S., Pickova, J., Högberg, A., Neil, M., Wichman, A. Wigren, I., Uvnäs-Moberg, K. and L. Rydhmer, 2009. Influence of sow dietary fatty acid composition on the behaviour of the piglets. *Livestock Science* 123: 306-313. <https://doi.org/10.1016/j.livsci.2008.12.002>
106. Gunnarsson, S. and A. Valros, 2009. Effect of enrichment, day length and natural versus artificial light on behaviour and light preference in layer chick. 14th International Congress on Animal Hygiene, Vechta, Germany, 19-23 July, 2009. p. 345-348.
107. Lindgren, K., Gunnarsson, S., Lindahl, C., Wiberg, S. and A. Roepstorff, 2009. Inälvparasiter i betesmark och hos grisar i ekologiska besättningar. (Intestinal parasites in pasture and in pigs on organic farms.) JTI – Institutet för jordbruks- och miljöteknik. Rapport - lantbruk och industri R387, 22 pages. <http://www.jti.se/uploads/jti/R-387-KL.pdf>
108. Gunnarsson, S. 2009. Book Review Biology of Breeding Poultry – Poultry Science Symposium. *Reproduction in Domestic Animals*, <https://doi.org/10.1111/j.1439-0531.2009.01566.x>
109. Rodriguez, H., Hultgren, J., Båge, R., Bergqvist, A-S., Svensson, C., Bergsten, C., Lidfors, L., Gunnarsson, S., Algers, B., Emanuelson, U., Berglund, B., Andersson G., Håård, M., Lindhé, B., Stålhammar, H., Gustafsson, H., 2009. La Eficiencia Reproductiva de las Vacas Lecheras de Alta Producción: ¿Es Sostenible con las Prácticas de Manejo Actuales? "Revisiones de IVIS en Medicina Veterinaria" IVIS.

Servicio Internacional de Información Veterinaria (www.ivis.org), Ithaca New York. Online 1-27.

110. Hultgren J., Algers B., Blokhuis H., Gunnarsson, S., Keeling L. 2009. RAWA. Risk-based animal welfare assessment. Conference proceeding. Jordbruksverkets konferens.
111. Sundrum A., Goebel A., Bochicchio D., Bonde M., Bourgoïn A., Dietze K., Dippel S., Gunnarsson, S., Hegelund L., Leeb C., Lindgren K., Prunier A., Wiberg S. 2010. Health status in organic pig herds in Europe based on farmer records. Congress of International Pig Veterinary Society (IPVS), July 18-21, 2010, Vancouver, Canada, p. 227.
112. Wiberg, S., Algers, B., Gamble, A., Gunnarsson, S., Gärling, T., Hultgren, J., Kolstrup, C., Lerner, H., Lundquist, P., Nordenfelt, L., Widell, G. 2010. Welfare of animals and employees in connection with slaughter or euthanasia of animals. Proc of the Int. congr of FELASA-SCANDLAS Helsinki 2010, p. 176.
113. Hultgren J., Algers B., Blokhuis H., Gunnarsson, S., Keeling L. 2010. RAWA - forskning om djurvälfrädrisker och djurskyddskontroll. Svensk Veterinärtidning (Swedish Veterinary Journal) nr 14:21-25.
114. Röcklinsberg H., Algers B., Gunnarsson, S. and J. Hultgren, 2010. Etik i veterinärens vardag - djuretik och yrkesetik. Svensk Veterinärtidning (Swedish Veterinary Journal) nr 14: 27-31.
115. Sundrum, A., Goebel, A., Bochicchio, D., Bonde, M., Bourgoïn, A., Cartaud, G., Dietze, K., Dippel, S., Gunnarsson, S., Hegelund, L., Leeb, C., Lindgren, K., Lubac, S., Prunier, A., and Wiberg, S., 2011. Epidemiological study concerning the characteristics of organic pig farming in selected European countries. Report COREPIG. <http://orgprints.org/18428/1/18428.pdf>
116. Gunnarsson, S. and Hermansson, A. 2011. Lighting system for laying hens – Pre-testing of new technique in Sweden. XVth ISAH Congress, Vienna, Austria, 3-7 July 2011, Proceedings Volume 1, pp. 111-113.
117. Gunnarsson, S., Lerner, H., Algers, B. and Nordgren, A. 2011. Meat production, climate change and ethics. XVth ISAH Congress, Vienna, Austria, 3-7 July 2011, Proceedings Volume 1, pp. 209-211.
118. Lerner, H., Algers, B., Gunnarsson, S., and Nordgren, A. 2011. Livestock's "short shadow"? Balancing mitigation of climate change against other values. XVth ISAH Congress, Vienna, Austria, 3-7 July 2011, Proceedings Volume 1, pp. 213-214.
119. Hultgren, J., Algers, B., Blokhuis, H.J., Gunnarsson, S. and Keeling, L.J., 2011. Assessment of animal welfare risks in different types of animal husbandry. XVth ISAH Congress, Vienna, Austria, 3-7 July 2011, Proceedings Volume 1, pp. 305-307.
120. Wiberg, S., Algers, B., Gamble, A., Gunnarsson, S., Gärling, T., Hultgren, J., Lunner Kolstrup, C., Lerner, H., Lundquist, P., Nordenfelt, L., Widell, G. 2011.

Welfare of animals and employees in connection with slaughter or euthanasia of animals. Proc. of New Paradigms in Laboratory Animal Science. A joint FELASA/Scand-LAS symposium. New Paradigms in Laboratory Animal Science. A joint FELASA/Scand-LAS Symposium, Helsinki, Finland., 2010-06-14--2010-06-17. p. 148-153.

121. Wiberg, S., Algers, B., Gamble, A., Gunnarsson, S., Gärling, T., Hultgren, J., Lunner Kolstrup, C., Lerner, H., Lundquist, P., Nordenfelt, L., Widell, G. 2011. Welfare of animals and employees in connection with slaughter or euthanasia of animals. Proc. of the Centenary International Symposium on Recent Advances in the Welfare of Livestock at Slaughter. Centenary International Symposium on Recent Advances in the Welfare of Livestock at Slaughter, Portsmouth, United Kingdom, 2011-06-30--2011-07. Human Slaughter Association. 1 p.
122. Garcia, E., Hultgren, J., Fällman, P., Geust, J., Algers, B., Stilwell, G., Gunnarsson, S., and Rodriguez-Martinez, H. 2011. Oestrous intensity is positively associated with reproductive outcome in high-producing dairy cows. *Livestock Science*, 139(3): 191-195. <http://dx.doi.org/10.1016/j.livsci.2011.01.004>
123. Hultgren, J., Algers, B., Blokhuis, H., Gunnarsson, S., Keeling, L., 2011. Expert opinion on animal welfare and non-compliance with legislation in Swedish animal husbandry. Proceedings of the 5th International Conference on the Assessment of Animal Welfare at Farm and Group Level (WAFL), Guelph, Kanada, 9-11 September 2011, s 4.
124. Hultgren, J., Algers, B., Blokhuis, H.J., Gunnarsson, S., Keeling, L.J., 2011. Assessment of animal welfare risks in different types of animal husbandry. XVth ISAH Congress, Vienna, Austria, 3-7 July 2011, Proceedings Volume 1, pp. 305-307.
125. Garcia, E., Hultgren, J., Fällman, P., Geust, J., Algers, B., Stilwell, G., Gunnarsson, S., Rodriguez-Martinez, H., 2011. Intensity of oestrus signaling is the most relevant indicator for animal well-being in high-producing dairy cows. *Veterinary Medicine International* 2011, 540830: 1-7. <http://dx.doi.org/10.4061/2011/540830>.
126. Yngvesson, J., Gustafsson, J., Berg, L., Larsson, I., Gunnarsson, S. and K. Odén, 2011. A field study of access to day light, ammonia, plumage condition and mortality in loose housed laying hens in south east Sweden. 30th Poultry Science Symposium on "Alternative Systems for Poultry - Health, Welfare and Productivity", Glasgow, United Kingdom, 2011-09-07--2011-09-09 p 53.
127. Früh, B., Gunnarsson, S., Bochicchio, D., Dippel, S., Edwards, S., Leeb, C., Lindgren, K., Mejer, H. and A. Prunier, 2011. Ekologisk Grisproduktion i Europa - Guide för förbättrad djurhälsa i ekologisk grisproduktion. FiBL-Teknisk Guide. Research Institute of Organic Agriculture (FiBL), CH-Frick. <http://www.orgprints.org/19169/>.
128. Hultgren, J., Algers, B., Blokhuis, H., Gunnarsson, S., Keeling, L., 2011. Riskbaserad bedömning av djurvelfärd - Slutrapport från projektet RAWA. 115 pages.

129. Wallenbeck, A, Fredriksson, P., Gunnarsson, S., Salomon, E. Ullvén, K, Wivstad, M. 2012. Research on organic animal husbandry in Sweden. 2nd IFOAM Organic Animal Husbandry Conference, September 12-14, Hamburg, Germany.
130. Wivstad, M., Caspersen, S., Fredriksson, P., Gunnarsson, S., Hoffmann, R., Mie, A., Nilsson, U., Rööös, E., Salomon, E., Sundberg, C., Ullvén, K., Wallenbeck, A. och Winqvist, C. 2012. EPOK - Centre for Organic Food and Farming, Sweden. 2nd IFOAM Organic Animal Husbandry Conference "Tackling the future challenges of organic animal husbandry", September 12-14, Hamburg, pp.464-466.
131. Wiberg, S., Algers, B., Gamble, A., Gunnarsson, S., Gärling, T., Hultgren, J., Kolstrup, C., Lerner, H., Lundqvist, P., Nordenfelt, L., Widell, G., 2012. Welfare of animals and employees at slaughter houses and laboratories. Research Day, Faculty of Veterinary Medicine and Animal Science, Swedish University of Agricultural Sciences, Uppsala, Sweden, 7 Feb. 2012. Poster.
132. Bergqvist, J. and S. Gunnarsson, 2013. Finfish aquaculture: Animal welfare, the environment, and ethical implications. *Journal of Agricultural and Environmental Ethics*, 26(1): 75-99. <http://dx.doi.org/10.1007/s10806-011-9346-y>.
133. Gunnarsson, S. 2013. Ta vara på kraften hos SLU:s medarbetare. *ATL*, 2013:1, s. 20.
134. Gunnarsson, S. 2013. Utevistelse – Fjäderfä Fakta från seminariet "Det är inne att vara ute", redaktör: S. Gunnarsson, EPOK 2013. 4 pages. <http://www.slu.se/Documents/externwebben/centrumbildningar-projekt/epok/Publikationer/Faktablad/Fj%C3%A4derf%C3%A4-ute-faktablad.pdf>
135. Gunnarsson, S. 2013 Hur förändras djurväl-färden i EU med det nya regelverket? Svenska Djurhälsovårdens vårkonferens, Västerås 12-13 mars 2013. 1 sida.
136. Nilsson, C., Hermansson, A., Säter, M., Röklander, J., Hjalmarsson, B. and Gunnarsson, S. 2013. Prövning och utvärdering av nya typer av artificiellt ljus i hönsstallar. (Testing and evaluation of new types of artificial lighting systems in houses for laying hens.) Dept. of Animal Environment and health, SLU Skara. Report 34. 70 pages. <https://pub.epsilon.slu.se/11308/>
137. Gunnarsson, S. and Bergqvist, J., 2013. Animal welfare and ethical implications in finfish aquaculture. XVIth ISAH Congress, Nanjing, China, 5-9 May 2013, Proceedings pp. 39-41.
138. Lerner, H., Algers, B., Gunnarsson, S. and A. Nordgren, 2013. Stakeholders on Meat Production, Meat Consumption and Mitigation of Climate Change: Sweden as a Case. *Journal of Agricultural and Environmental Ethics*, 26:663–678. <http://dx.doi.org/10.1007/s10806-012-9420-0>
139. Gunnarsson, S. 2013. Farm animal welfare and public health: Examples from pigs, poultry and cattle in Sweden. European symposium on food safety. International Association for Food Protection. Marseille, France, 15.-17 of May 2013. 2 pages. (Invited lecturer).

140. Hermansson, A., and Gunnarsson, S. 2013. Testing and evaluation of new types of artificial lighting systems in houses for laying hens. Poultry welfare conference 17-20 June 2013, Uppsala, p 97. World's Poultry Science Journal, pp.97-97.
141. Gunnarsson, S. 2013. Lighting for laying hens: the effect of environmental factors on bird behaviour. In Livestock housing: Modern management to ensure optimal health and welfare of farm animals. (Ed. Aland, A and T. Banhazi). Wageningen University Press, Netherlands, p. 431-439.
142. Wivstad, M., Fredriksson, P., Ullvén, K., Wallenbeck, A., Gunnarsson, S., Hoffmann R., Johansson B., Mie, A., Nilsson U., Röös E., Salomon E., Sundberg C. 2013. Importance of organic farming research in Sweden for innovations and increased sustainability in agriculture . Proceedings of NJF Seminar 461. Organic farming systems as a driver for change. Bredsten, Denmark. NJF Seminar 461. Proceedings: Organic farming systems as a driver for change pp.89-90.
143. Gunnarsson, S., Fredriksson, P., Hoffmann, R., Johansson, B., Mie, A., Nilsson, U., Röös, E., Salomon, E., Sundberg, C., Ullvén, K., Wallenbeck, A., Winqvist, C. and Wivstad, M., 2013. Knowledge synthesis and dissemination in organic research in Sweden; Integrating ethics. EurSafe2013 - The Ethics of Consumption: The Citizen, The Market, and The Law. 11th Congress of the European Society for Agriculture and Food Ethics. September 11-14, 2013, Uppsala, Sweden. Wageningen University Press, Netherlands. p 494-498.
144. Dippel, S., Leeb, C., Boichichio, D., Bonde, M., Dietze, K., Gunnarsson, S., Lindgren, K., Sundrum, A., Wiberg, S., Winckler, C. and A. Prunier, 2014. Health and welfare of organic pigs in Europe assessed with animal-based parameters. Organic Agriculture, 4:149–161. <http://dx.doi.org/10.1007/s13165-013-0041-3>.
145. Blokhuis, H., Staaf Larsson, B., Algers, B., Hultgren, J., Berg, L., Gunnarsson, S., Sjöquist, M., 2014. The EUWelNet project. An EU project on the establishment of a coordinated European network for animal welfare. Research Day, Faculty of Veterinary Medicine and Animal Science, Swedish University of Agricultural Sciences, Uppsala, Sweden, 29 Jan. 2014. Poster.
146. Algers, B., Beck-Friis, J., Berg, C., Blokhuis, H., Dahlborn, K., Ekman, T., Gunnarsson, S., Hultgren, J., Jakobsson, T., Keeling, L., Pettersson, R., Sandahl, J., Staaf Larsson, B., Sjöquist, M., Steen, M., Ståhle, G., Vonstad, L. M., 2014. Insikter om djurvälstånd svensk köttproduktions framtid. Dagens nyheter 2014-10-13 www.dn.se/debatt/insikter-om-djurvalfard-svensk-kottproduktions-framtid/
147. Andersson, E., Frössling, J., Engblom L., Algers, B. and Gunnarsson, S., 2014. Impact of first parity litter size on sow stayability and lifetime production a retrospective observational study on data from Swedish piglet producing herds. Annual Meeting of Society for Veterinary Epidemiology and Preventive Medicine (SVEPM), 26 - 28 March 2014, Dublin. Poster. [file://storage-sa.slu.se/home\\$/stefang/Downloads/Andersson.pdf](file://storage-sa.slu.se/home$/stefang/Downloads/Andersson.pdf)

148. Sonesson, U., Lorentzon, K., Andersson, A., Barr, U. K., Bertilsson, J., Brunius, C., Emanuelsson, M., Borch, E., Göransson, L., Gunnarsson, S., Hamberg, L., Hesse, A., Kumm, K.I., Lundh, A., Nielsen, T., Salomon, E., Sindhøj, E., Stenberg, B., Stenberg, M., Sundberg, M., Wall, H., 2014. Paths to a sustainable food sector guided by LCA - exemplified by pork production. American Centre for Life Cycle Assessment, Vashon, USA, 1255-1264 pp

149. Wall H., Barr, U.K., Borch, E., Brunius, C., Gunnarsson, S., Hamberg, L., Lindbom, I., Lorentzon, K., Nielsen, T., Nilsson, K., Normann, A., Salomon, E., Sindhøj, E., Sonesson, U., Sundberg, M., Åström, A. and Östergren, K., 2014. Hållbara matvägar - referens- och lösningsscenarier för kycklingproduktion och framställning av fryst kycklingfilé rapport, steg 3. Paths to a sustainable food sector production of chicken meat. Göteborg, Sweden: SIK.

<http://www.slu.se/Documents/externwebben/centrumbildningar-projekt/hallbara-matvagar/Filer/Rapporter/Rapport-steg3-kycklingprod-prod-av-fryst-kycklingfile.pdf>

150. Hesse, A., Barr, U.K., Borch, E., Brunius, C., Florén, B., Gunnarsson, S., Hamberg, L., Lindbom, I., Lorentzon, K., Nielsen, T., Normann, A., Salomon, E., Sindhøj, E., Sonesson, U., Sundberg, M., Åström, A. and Östergren, K., 2014. Hållbara matvägar - referens- och lösningsscenarier för nötköttsproduktion och framställning av ryggbiff. Paths to a sustainable food sector production of beef. Göteborg, Sweden: SIK.

<http://www.slu.se/Documents/externwebben/centrumbildningar-projekt/hallbara-matvagar/Filer/Rapporter/Rapport-steg3-notkottsprod-prod-av-ryggbiff.pdf>

151. Bertilsson, J., Barr, U.K., Borch, E., Gunnarsson, S., Hamberg, L., Lindbom, I., Lorentzon, K., Sternesjö Lundh, Å., Nielsen, T., Nilsson, K., Normann, A., Salomon, E., Sindhøj, E., Sonesson, U., Sundberg, M., Åström, A. and Östergren, K., 2014. Hållbara matvägar - referens- och lösningsscenarier för mjölkproduktion och framställning av konsumtionsmjölk och lagrad ost. Paths to a sustainable food sector production of fresh dairy milk. Göteborg, Sweden: SIK

<http://www.slu.se/Documents/externwebben/centrumbildningar-projekt/hallbara-matvagar/Filer/Rapporter/Rapport-steg3-mjolkprod-prod-av-K-mjolk-och-ost.pdf>

152. Göransson, L., Barr, U.K., Borch, E., Brunius, C., Florén, B., Gunnarsson, S., Hamberg, L., Lindbom, I., Lorentzon, K., Nielsen, T., Normann, A., Salomon, E., Sindhøj, E., Sonesson, U., Sundberg, M., Åström, A., and Östergren, K., 2014. Hållbara matvägar - referens- och lösningsscenarier för grisproduktion och framställning av rökt skinka rapport steg 3. Paths to a sustainable food sector production of pork. Göteborg, Sweden: SIK.

<http://www.slu.se/Documents/externwebben/centrumbildningar-projekt/hallbara-matvagar/Filer/Rapporter/Rapport-steg3-grisuppfodning-produktion-av-rokt-skinka.pdf>

153. Gunnarsson, S. 2015. Benamputation av vild räv var inte gott djurskydd. Svensk Veterinärtidning (Swedish Veterinary Journal) 48(4): 43.

154. Gunnarsson, S. 2015. Miljö: Klimatskepsis har blivit en religion! Insändare i Skaraborgs Läns Tidning/ Falköpings Tidning/ Skövde Nyheter/ Västgötabladet, 9 januari 2015. <http://www.skaraborgslanstidning.se/article/klimatskepsis-en-religion/>

155. Nilsson, U., Wallenbeck, A., Gunnarsson, S., 2015. Visioner om genetisk mångfald i svenskt ekologiskt lantbruk anteckningar från en workshop på KSLA i oktober 2013. Uppsala: Centrum för ekologisk produktion och konsumtion (EPOK), Sveriges lantbruksuniversitet www.pub.epsilon.slu.se/id/eprint/12951 .
156. Gunnarsson, S. Young; B. and Westin, R., 2015. Straw Use and Prevention of Tail Biting in Undocked Pigs – a Survey of Housing and Management Routines in Swedish Pig Farms. “Improving Pig Welfare – what are the ways forward?” 29 – 30 April 2015 Copenhagen Denmark, p 106.
157. Gunnarsson, S., Bestman, M., Brenninkmeyer, C., Ferrari, P., Herkens, J., Niebuhr, K., Sørensen, J.T. and Alice Willett, A. 2015. Health and welfare in organic laying hens; an epidemiological study of European egg producing farms. XVIIth ISAH Congress, Kosice, Slovakia, 5-9 June 2015, Proceedings pp.55-57.
158. Andersson, E., Frössling, J., Algers, B., Engblom, L., Gunnarsson, S. 2015. Impact of first parity litter size on sow stayability and lifetime production. Proceedings of XVII International Congress on Animal Hygiene 2015. Kosice, Slovakia. Proc. of the XVII International Congress on Animal Hygiene 2015 pp.46-48.
159. Thapa, S., Hinrichsen, L.K., Brenninkmeyer, C., Gunnarsson, S., Heerkens, J.L.T., Verwer, C., Niebuhr, K., Willett, A., Grilli, G., Thamsborg, S.M., Sørensen, J.T., Mejer, H., 2015. Prevalence and magnitude of helminth infections in organic laying hens (*Gallus gallus domesticus*) across Europe. *Veterinary Parasitology* 214: 118–124. <http://dx.doi.org/10.1016/j.vetpar.2015.10.009>
160. Gunnarsson, S and U. Sonesson. 2015. Animal welfare in an environmental perspective; a case study of life cycle analysis of pig production from field to fork. AWSELVA Autumn Conference: From Research to Practice Bristol 30 September – 2 October 2015. p. 13.
161. Wallgren, P. and Gunnarsson, S. 2015. Utvärdering av pilotstudien rörande ett kontrollprogram för förbättrad djurvälstånd för gris. Rapport till Jordbruksverket. 76 sidor.
162. Wallgren, T., Westin, R., Young. B. and Gunnarsson, S. 2015. Halmanvändning och svansbitning i svenska tillväxt- och slaktgrisbesättningar. Poster vid veterinärkongressen, Uppsala, 5–6 november 2015.
163. Brenninkmeyer, C., Niebuhr, K., Bestman, M., Tuytens, F. A. M., Gunnarsson, S., Sørensen, J. T., Willett, A., Ferrari, P, Knierim, U., 2015. Att främja god hälsa och välfärd hos ekologiska värphöns (HealthyHens project) http://www.coreorganic2.org/upload/coreorganic2/document/HealthyHensRecommendationLeaflet_swedish.pdf
164. Andersson, E., Frössling, J., Engblom, L., Algers, B. and Gunnarsson, S., Kullstorlekens effekt på utslagningsorsak hos suggor som slås ut efter första kullen. Föredrag vid Veterinärkongressen, Uppsala, 5–6 november 2015.

165. Sonesson, U., Lorentzon, K., Andersson, A., Barr, U.-K., Bertilsson, J., Borch, E., Brunius, C., Emanuelsson, M., Göransson, L., Gunnarsson, S., Hamberg, L., Hessle, A., Kumm, K.-I., Lundh, Å., Nielsen, T., Östergren, K., Salomon, E., Sindhøj, E., Stenberg, B., Stenberg, M., Sundberg, M. and Wall, H., 2016. Paths to a sustainable food sector: integrated design and LCA of future food supply chains: the case of pork production in Sweden. *Int. J. Life Cycle Assess.* 21:664–676. <http://dx.doi.org/10.1007/s11367-015-0969-5>
166. Andersson, E., Frössling, J., Engblom, L., Algers, B. and Gunnarsson, S., 2016. Impact of litter size on sow stayability in Swedish commercial piglet producing herds. *Acta Veterinaria Scandinavica.* 58:31 1-9. <http://dx.doi.org/10.1186/s13028-016-0213-8>
167. Wilhelmsson, S., Bruce, P., Wallenbeck, A., Gunnarsson, S., Jönsson, L., and Yngvesson, J., 2016. Comparison of behaviour and health of two broiler hybrids with different growth rates. The Nordic ISAE Winter Symposium, Vingsted, Denmark, 20-22 January 2016. Poster p. 25.
168. Wallgren, T., Westin, R., Gunnarsson, S., 2016. A survey of straw use and tail biting in Swedish undocked pig farms. 16th International Conference on Production Diseases in Farm Animals (ICPD) 20 - 23 June 2016, Wageningen, the Netherlands; Session 08 - Welfare and production trade-offs. Abstract number: 22746.
169. Yngvesson, J., Wallenbeck, A., Jönsson, L. and Gunnarsson, S., 2016. Behaviour of broilers in semi-commercial organic rearing – behaviour and mortality of hybrids with rapid or slow growth rate. ISAE 50th International Congress Edinburgh, UK 12-16 July 2016, poster 26, p. 239.
170. Wallgren, T., Westin, R., Gunnarsson, S., 2016. Raising undocked pigs: straw, tail biting and management. ISAE 50th International Congress Edinburgh, UK 12-16 July 2016, poster 55, p. 268.
171. Wallgren, T., Westin, R., Gunnarsson, S., 2016. Production of undocked pigs, a survey of farmers' experiences. 67th Annual Meeting of the European Federation of Animal Science (EAAP), Belfast, UK, 29 August - 2 Sept 2016.
172. Jönsson, L., Gunnarsson, S., Yngvesson, J., Rezaei, M. and Wallenbeck, A., 2016. Effects of hybrid type and dietary mussel meal on broiler production performance during 10 weeks of rearing. 67th Annual Meeting of the European Federation of Animal Science (EAAP), Belfast, UK, 29 August - 2 Sept 2016.
173. Andersson, E., Frössling, J., Engblom, L., Algers, B. and Gunnarsson, S., 2016. Impact of litter size in first parity on sow lifetime performance and health. 67th Annual Meeting of the European Federation of Animal Science (EAAP), Belfast, UK, 29 August - 2 Sept 2016.
174. Wallgren, T., Westin, R. and Gunnarsson, S. 2016. A survey of straw use and tail biting in Swedish pig farms rearing undocked pigs. *Acta Veterinaria Scandinavica*, 58, 84. <http://dx.doi.org/10.1186/s13028-016-0266-8>

175. Beck-Friis, J., Gunnarsson, S. 2016. Oacceptabelt drev mot Åbys banveterinär. Svensk Veterinärtidning (Swedish Veterinary Journal) 49(11): 39.
176. Gunnarsson, S. 2016. The Hennovation project. Nordic Poultry Conference Billund, Denmark, 7-9 November 2016. 1 p (invited speaker)
177. Herlin, A. and S. Gunnarsson, 2016. Consumer and civil society feedback. Project report Data Driven Dairy Decision for Farmers (4D4F), Deliverable D 2.5. 16 pages. <https://4d4f.eu/sites/default/files/D2.5%20civil%20societyfeedback.pdf>
178. Mie, A., Kesse-Guyot, E., Kahl, J., Rembiałkowska, E., Andersen H. R., Grandjean, Ph. and S. Gunnarsson. 2016. Human health implications of organic food and organic agriculture. Science and Technology Options Assessment (STOA). European parliamentary research service (EPRS). EPRS_STU(2016)581922. 82 pages. doi: 978-92-846-0395-4. [http://www.europarl.europa.eu/RegData/etudes/STUD/2016/581922/EPRS_STU\(2016\)581922_EN.pdf](http://www.europarl.europa.eu/RegData/etudes/STUD/2016/581922/EPRS_STU(2016)581922_EN.pdf)
179. Wallenbeck, A., Wilhelmsson, S, Jönsson, L., Gunnarsson, S., Yngvesson, J., 2016. Behaviour in one fast-growing and one slower-growing broiler (*Gallus gallus domesticus*) hybrid fed a high or low protein diet during a 10-week rearing period. *Acta Agriculturae Scandinavica, Section A — Animal Science* 66(3):168-176 <http://dx.doi.org/10.1080/09064702.2017.1303081>.
180. Gunnarsson, S. and J. Nordlund Othén, 2017. Klok antibiotikaanvändning till våra lantbruksdjur. Uppsala: Centrum för ekologisk produktion och konsumtion (EPOK), Sveriges lantbruksuniversitet <http://www.slu.se/globalassets/ew/org/centrb/epok/dokument/antibiotika.pdf>
181. Gunnarsson, S. and U. Sonesson. 2017. Animal welfare in an environmental perspective; a case study of life cycle analysis of pig production. International Congress on Animal Hygiene, Mazatlán, Mexico, March 19-23, 2017, p. 590-591.
182. Bestman, M., Verwer, C., Brenninkmeyer, C., Willet, A., Hinrichsen, L.K., Smajlhodzic, F., Heerkens, J.L.T., Gunnarsson, S and Ferrante, V., 2017. Feather pecking and injurious pecking in organic laying hens in 107 flocks from 8 European countries. *Animal Welfare*, 26:355-363. <http://dx.doi.org/10.7120/09627286.26.3.355>
183. Wallgren, T., Larsen, A. and S. Gunnarsson. 2017. The impact of straw ration on tail biting and other pig directed behaviours in undocked growing pigs 68th Annual Meeting of the European Federation of Animal Science (EAAP), Tallinn, Estonia, 29 August - 1 Sept 2017, p. 130.
184. Gunnarsson, S., Jönsson, L., Rezaei, M., Wilhelmsson, S, Yngvesson, J., Wallenbeck, A., 2017. Performance and Welfare in one fast-growing and one slower-growing broiler (*Gallus gallus domesticus*) hybrid fed a high or low protein organic diet during a 10-week rearing period. The 11th International Veterinary behaviour meeting, Samorin, Slovakia, 14–16 September 2017. Scientific proceedings Animal welfare section, p 21.

185. Lindsjö, J., Berg, C., Gunnarsson, S. and J. Beck-Friis. 2017. Commenting on wildlife trap regulation in Sweden – how veterinarians can impact animal welfare, ethics and legislation. The 11th International Veterinary behaviour meeting, Samorin, Slovakia, 14–16 September 2017. Scientific proceedings Animal welfare section, p. 42
186. Gunnarsson, S and P. Wallgren, 2017. "Svenskt Kött sprider myter om avvänjning av smågrisar", Land Lantbruk 12 september 2017.
<http://www.landlantbruk.se/debatt/svenskt-kott-sprider-myter-om-avvanjning-av-smagrisar/>
187. Pedersen, L. J., Vestbjerg Larsen, M. L., Jensen, M. B., Wallgren, T. and S. Gunnarsson. 2017. How can enrichment help to reduce tail docking? Pig progress Sep 13, 2017 <http://www.pigprogress.net/Piglets/Articles/2017/9/How-can-enrichment-help-to-reduce-tail-docking-177654E/>
188. Gunnarsson, S. 2017. OIE work on animal welfare in production systems for laying hens. Conference “Ethical and Legal Aspects of Animal Welfare Protection” Wrocław, Poland. 3 October 2017 p. 12-13.
189. Röcklinsberg, H., Algers, B., Berg, L., Blokhuis, H., Gunnarsson, S. Hultgren, J., Jensen, P., Keeling, L., Lundmark, F and Wallenbeck, A. 2017a. ”Jordbruksverket går bara grisbranschens ärenden” Debattartikel Göteborgsposten den 5 oktober 2017.
<http://www.gp.se/nyheter/debatt/jordbruksverket-g%C3%A5r-bara-grisbranschens-%C3%A4renden-1.4699093>
190. Röcklinsberg, H., Algers, B., Berg, L., Blokhuis, H., Gunnarsson, S. Hultgren, J., Jensen, P., Keeling, L., Lundmark, F and A. Wallenbeck, 2017b ”Förslaget devalverar svensk djurhållning.” Debattartikel Göteborgsposten den 16 oktober 2017.
<http://www.gp.se/nyheter/debatt/f%C3%B6rslaget-devalverar-svensk-djurh%C3%A5llning-1.4729575>
191. Mie, A., Andersen, H.R., Gunnarsson, S., Kahl, J., Kesse-Guyot, E., Rembialkowska, E., Quaglio, G. and Ph. Grandjean. 2017. Human health implications of organic food and organic agriculture: a comprehensive review. Environmental Health, 16: 111. 22 pages. <http://dx.doi.org/10.1186/s12940-017-0315-4>.
192. Gunnarsson, S., Bestman, M., Brenninkmeyer, C., Ferrari, P., Herkens, J., Niebuhr, K., Sørensen, J.T. and A. Willett, 2017. Health and welfare in organic laying hens; the ‘Healthy hen’ project. Nordic Poultry Conference Malmö, Sweden, 7-9 November 2017. 1 p (invited speaker).
193. Yngvesson, J., Wedin, M., Gunnarsson, S, Jönsson, L., Blokhuis, H. and A. Wallenbeck, 2017. Let me sleep! - Welfare of broilers (*Gallus gallus domesticus*) with disrupted resting behaviour. Acta Agriculturae Scandinavica, Section A - Animal Sciences. 67 (3-4):123-133. <https://doi.org/10.1080/09064702.2018.1485729>
194. Rezaei, M., Yngvesson, J., Gunnarsson, S., Jönsson, L. and A. Wallenbeck, 2018. Feed efficiency, growth performance and carcass characteristics of a fast and a slower growing broiler hybrid fed low- or high-protein organic diets. Organic Agriculture, 8:121-128. <http://dx.doi.org/10.1007/s13165-017-0178-6>

195. Rööös, E., Mie, A., Wivstad, M., Salomon, E., Johansson, B., Gunnarsson, S., Wallenbeck, A., Hoffmann, R., Nilsson, U., Sundberg, C. and C.A. Watson, 2018. Risks and opportunities of increasing yields in organic farming. A review. *Agronomy for Sustainable Development*, 38:14. <https://doi.org/10.1007/s13593-018-0489-3>
196. Gunnarsson, S. 2018. Pig Welfare in production system (that fully comply with the EU directive). 8th Encontro de Formação da Ordem dos Médicos Veterinários, April, 14-15, 2018, Lisbon. (Invited paper)
197. Gunnarsson, S. 2018. OIE work on animal welfare in productions systems for laying hens. 8th Encontro de Formação da Ordem dos Médicos Veterinários, April, 14-15, 2018, Lisbon. (Invited paper)
198. Gunnarsson, S. and A. Mie. 2018. 12. Organic animal production - a tool for reducing antibiotic resistance? EurSafe2018 - Professional ethics and the role in the food chain. 14th Congress of the European Society for Agriculture and Food Ethics. June, 13-16, 2018, Vienna. Wageningen University Press, Netherlands. p 93-98. https://doi.org/10.3920/978-90-8686-869-8_12
199. Gunnarsson, S. 2018. Technologies for Increasing the Productivity of Poultry: Welfare Implications. In: *Are We Pushing Animals to Their Biological Limits? Welfare and Ethical Implications* (Ed. Grandin, T. and M. Whiting). CABI Wallingford, UK. pp 63-75. <https://www.cabi.org/bookshop/book/9781786390547>
200. Yngvesson, J., Wedin, M., Gunnarsson, S., Jönsson, L., Blokhuis, H. and A. Wallenbeck. 2018. Let me sleep! – Welfare of disturbed broilers. Poster at UFAW conference UFAW Animal Welfare Conference, Newcastle, UK, 28 June 2018.
201. Yngvesson, J. Gunnarsson, S. Wallenbeck, A. and V. Olsson. 2018. Ekologiska kycklingar: Lyckliga och lyckade? Poster vid Matologi i Stockholm. 2018-08-25.
202. Wallenbeck, A., Yngvesson, J., Gunnarsson, S., Karlsson, A. and K. Arvidsson Segerkvist, 2018. Growth rate and feed conversion ratio in two commercially available slower growing broiler hybrids. 69th Annual Meeting of the European Federation of Animal Science (EAAP), Dubrovnik, Croatia, 27th August – 31st August 2018, p. 317.
203. Wallgren, T., Larsen, A. and S. Gunnarsson. 2018. Tail position as a pig welfare indicator in commercially raised pigs with intact tails. 69th Annual Meeting of the European Federation of Animal Science (EAAP), Dubrovnik, Croatia, 27th August – 31st August 2018, p. 435.
204. Ekesbo, I. and S. Gunnarsson. 2018. Farm animal behaviour. Characteristics for Assessment of Health and Welfare. 2nd Edition. CAB International, Wallingford, UK. ix + 341pages. <https://www.cabi.org/bookshop/book/9781786391391>
205. Gunnarsson, S. 2018. Utvärdering av systemet ”Veranda Breeder” för värphöns och tuppar i produktion av kläckägg (Evaluation of the Veranda Breeder system for breeding birds of layer strains). Dept. of Animal Environment and health, SLU Skara. Report 50. 44 pages. <https://pub.epsilon.slu.se/16037/>

206. Wallgren, T., Larsen, A., Lundeheim, N., Westin, R. and S. Gunnarsson, 2019. Implication and impact of straw provision on behaviour, lesions and pen hygiene on commercial farms rearing undocked pigs. *Applied Animal Behaviour Science*. 210: 26-37. <https://doi.org/10.1016/j.applanim.2018.10.013>
207. Wilhelmsson, S., Yngvesson, J., Jönsson, L., Gunnarsson, S and A. Wallenbeck, 2019. Welfare Quality® assessment of a fast-growing and a slower-growing broiler hybrid, reared until 10 weeks and fed a low-protein, high-protein or mussel-meal diet. *Livestock science*, 219: 71-79. <https://doi.org/10.1016/j.livsci.2018.11.010>
208. Wallgren, T., Larsen, A. and S. Gunnarsson, 2019. Tail posture as an indicator of tail biting in undocked finishing pigs. *Animals*, 9(1): 18. [doi: 10.3390/ani9010018](https://doi.org/10.3390/ani9010018)
<https://www.mdpi.com/2076-2615/9/1/18/pdf>
209. Jung, L., Niebuhr, K., Hinrichsen, L.K., Gunnarsson, S., Brenninkmeyer, C., Bestman, M., Heerkens, J., Ferrari, P. and U. Knierim, 2019. Possible risk factors for keel bone damage in organic laying hens. *Animal*, 13(10): 2356-2364.
DOI:10.1017/S175173111900003X, , <https://doi.org/10.1017/S175173111900003X>
210. Berg, L. De Koning, D.-J., Fall, N., Hansson, H., Herlin, A., Hultgren, J. Jacobson, M., Keeling, L., Lunner Kolstrup, C. Littorin, L., Sandberg, E., Steen, Helena Wall, M., Gunnarsson, S., Wallenbeck, A. och P. Wallgren, 2019. Yttrande från SLUs vetenskapliga råd för djurskydd om djurskydd inom grisuppfödning. 26 sidor.
<https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&cad=rja&uact=8&ved=2ahUKEwiQjOGCxI7hAhUJmIsKHbU8CqAQFjAAegQICRAC&url=https%3A%2F%2Fwww.slu.se%2Fglobalassets%2Fev%2Fforg%2Fcentrb%2Fscaw%2Frapporter-efter-juni-2016%2Fyttrande-fran-slus-vetenskapliga-rad-for-djurskydd-om-djurskydd-inom-grisuppfodning.pdf&usg=AOvVaw0XVzo0aYh5hFTJh4AvszjR>
211. Staaf Larsson, B., Algers, B., Åsbjer, E., Lundmark Hedman F., Ståhle, G., Blokhuis, H., Röcklinsberg, H., Ekesbo, I., Hultgren, J., Yngvesson, J., Beck-Friis, J., Lindsjö, J., Zidar, J., Linge-hag-Ekholm, K., Lundqvist, K., Keeling, L., Berg, L., Stéen, M., Sjöquist, M., Jensen, P., Pettersson, R., Gunnarsson, S. och Å Hagelstedt. 2019. Oppositionen sviker lantbrukare och djur. *Svenska Dagbladet* 2019-04-20.
<https://www.svd.se/oppositionen-sviker-lantbrukare-och-djur>
212. Bestman, M., van Niekerk, T., de Haas, E.N., Ferrante, V. and S. Gunnarsson. 2019. Role of range use in infections with parasites in laying hens. ISAE, Bergen, Norway. 5th-9th August 2019, p 189.
https://www.eventsforce.net/firstunited/media/uploaded/EVFIRSTUNITED/event_9/e-book_International_Society_for_Applied_Ethology_2019_-_Book_of_Abstracts.pdf
213. Tahamtani, F., Berenjian, A., Gunnarsson, S. and A. B. Riber, 2019. Range use and plumage condition of two laying hen hybrids in organic egg production. ISAE, Bergen, Norway. 5th-9th August 2019, p 199.
https://www.eventsforce.net/firstunited/media/uploaded/EVFIRSTUNITED/event_9/e-book_International_Society_for_Applied_Ethology_2019_-_Book_of_Abstracts.pdf

214. Gunnarsson, S., 2019. Pre-testing of a new housing system for breeding birds of layer strains in Sweden. Proceedings of XIXth International Congress on Animal Hygiene September 2019. Wroclaw, Poland. pp.
215. Wallgren, T., Larsen, A. and S. Gunnarsson, 2019. Straw impact on pen and pig hygiene. Proceedings of XIXth International Congress on Animal Hygiene September 2019. Wroclaw, Poland. pp.
216. Hansson, H., Arvidsson Segerkvist, K., Sonesson, U. and S. Gunnarsson, 2019. Sustainability in animal food production – A systematic map to identify gaps in knowledge. EurSafe2019 - 15th Congress of the European Society for Agriculture and Food Ethics. September, 18 – 21, 2019, Tampere, Finland. Wageningen University Press, Netherlands. p 47-52. https://doi.org/10.3920/978-90-8686-892-6_5
217. Wallgren, T., Lundeheim, N. and S. Gunnarsson, 2019. Impact of straw on pig and pen hygiene. EAAP Book of Abstracts of the 70th Annual Meeting of the European Federation of Animal Science, Ghent, Belgium, 26-30 August 2019. <https://doi.org/10.3920/978-90-8686-890-2>
218. Wallgren, T., Lundeheim, N., Wallenbeck, A., Westin, R. and S. Gunnarsson, 2019. Rearing pigs with intact tails- experiences and practical solutions in Sweden. *Animals* 2019, 9, 812; doi:10.3390/ani9100812 <https://www.mdpi.com/2076-2615/9/10/812/pdf>
219. Gunnarsson, S. 2019. Hur god är lantbrukets beredskap? Krönika i SLU Forskningsnytt Produktionsdjur • Augusti 2019 <https://www.slu.se/lantbrukets-beredskap>
220. Lindgren, K, Gunnarsson, S, Höglund, J, Lindahl, C and A. Roepstorff, 2020. Nematode parasite eggs in pasture soils and pigs on organic farms in Sweden. *Organic Agriculture*. *Organic Agriculture*, 10(3), 289-300. DOI 10.1007/s13165-019-00273-3. <https://link.springer.com/article/10.1007%2Fs13165-019-00273-3>
221. Gunnarsson, S, Arvidsson Segerkvist, K., Göransson, L., Hansson, H. and U. Sonesson, 2020. Systematic Mapping of Research on Farm-level Sustainability in Egg and Chicken Meat Production. *Sustainability*, 12(7), 3033. <https://doi.org/10.3390/su12073033>
222. Gunnarsson, S. 2020. Mjölkbönder, lär er av äggbranschen”. *LAND lantbruk* 2020-05-19. <https://www.landlantbruk.se/debatt/mjolkbonder-lar-er-av-aggbranschen/>
223. Gunnarsson, S, Arvidsson Segerkvist, K., Wallgren, T., Hansson, H. and U. Sonesson, 2020. A Systematic Mapping of Research on Sustainability Dimensions at Farm-level in Pig Production. *Sustainability*, 12, 4352; doi:10.3390/su12114352 <https://www.mdpi.com/2071-1050/12/11/4352>
224. Marchewka, J., Sztandarski, P., Zdanowska-Sąsiadek, Ż., Damaziak, K., Wojciechowski, F., Riber, A.B. and S. Gunnarsson, 2020. Associations between welfare and ranging profile in free-range commercial and heritage meat-purpose chickens (*Gallus gallus domesticus*). *Poultry Science* 99:4141–4152.

doi.org/10.1016/j.psj.2020.05.044

<https://www.sciencedirect.com/science/article/pii/S0032579120303564?via%3Dihub>

225. Andersson, E., Frössling, J., Westin, R., Algers, B., and S. Gunnarsson, 2020. Associations between litter size and medical treatments of Swedish Yorkshire sows during farrowing and lactation. *Acta Agriculturae Scandinavica, Section A – Animal Sciences*, 69(3):176-182. doi.org/10.1080/09064702.2020.1779800
<https://www.tandfonline.com/doi/full/10.1080/09064702.2020.1779800>
226. Arvidsson Segerkvist, K., Hansson, H., Sonesson, U. and S. Gunnarsson. 2020. Research on environmental, economic, and social sustainability in dairy farming - a systematic mapping of current literature. *Sustainability*, 12(14), 5502. doi:10.3390/su12145502 <https://www.mdpi.com/2071-1050/12/14/5502>
227. Wallgren, T., Lundeheim, N. and S. Gunnarsson, 2020. Impact of amount of straw on pig and pen hygiene in partly slatted flooring systems. *BMC Veterinary Research*, 16:377. <https://doi.org/10.1186/s12917-020-02594-y>
228. Vaarst, M., Roderick, S., Martin, G., Gunnarson, S., Spengler Neff, A., Bieber, A. and A.G. Kongsted, 2020. Potentials, challenges and visions for future European organic animal farming. Video Pre-Conference on Animal Husbandry 21-22 September 2020 linked to the 20th Organic World Congress 2021 Organized by IFOAM Animal Husbandry Alliance (IAHA). Proceedings p 11-22.
https://www.ifoam.bio/sites/default/files/2020-09/IAHA-Video-Conference_Livestock_OWC2020-proceedings-2020.pdf
229. Göransson, L., Yngvesson, J. and S. Gunnarsson, 2020. Bird health, housing and management routines in Swedish organic broiler chicken farms. *Animals* 2020, 10 (11), 2098; doi:10.3390/ani10112098 <https://www.mdpi.com/2076-2615/10/11/2098>
230. Jung, L., Brenninkmeyer, C., Niebuhr, K., Bestman, M., Tuytens, F. A. M., Gunnarsson, S., Sørensen, J. T., Ferrari, P. and U. Knierim, 2020. Husbandry conditions and welfare outcomes in organic egg production in eight European countries. *Animals*, 10(11), 2102; <https://doi.org/10.3390/ani10112102>
231. Presto Åkerfeldt, M., Gunnarsson, S., Bernes, G. and I. Blanco-Penedo. 2020. Health and welfare in organic livestock production systems - A systematic mapping of current knowledge. *Organic Agriculture*, pp1-28 <https://doi.org/10.1007/s13165-020-00334-y>
232. Wallgren, T. and S. Gunnarsson, 2020. Impact of straw provision on floor or in racks on tail lesions, hygiene and straw availability. *Book of Abstracts of the 71st Annual Meeting of the European Federation of Animal Science: Virtual Meeting, 1st–4th December, 2020, vol 26, p 218.*
233. Gunnarsson, S, Arvidsson Segerkvist, K., Wallgren, T., Hjelmstedt, P., Sonesson, U. and H. Hansson, 2020. Systematic Mapping of Research on Farm-level Sustainability in Finfish Aquaculture. *Sustainability* 2020, 12(23), 9985. <https://doi.org/10.3390/su12239985>

234. Wallgren, T and S. Gunnarsson, 2021. Effect of Straw Provision in Racks on Tail Lesions, Straw Availability, and Pen Hygiene in Finishing Pigs. *Animals* 2021, 11(2), 379; <https://doi.org/10.3390/ani11020379>.
235. Gunnarsson, S., 2021. Applied Research Note: Pre-Testing Of A New Housing System For Breeding Birds Of Layer Strains In Sweden. *Journal of Applied Poultry Science*, 30 (2): 100152. <https://doi.org/10.1016/j.japr.2021.100152>
236. Arvidsson Segerkvist, K., Hansson, H., Sonesson, U. and S. Gunnarsson. 2021. A systematic mapping of current literature on sustainability at farm level in beef and lamb meat production. *Sustainability* 2021, 13, 2488. <https://doi.org/10.3390/su13052488>
237. Sözcü, A., İpek, A, Oğuz, Z., Gunnarsson, S. and A. Brinch Riber, 2021. Comparison of Performance, Egg Quality, and Yolk Fatty Acid Profile in Two Turkish Genotypes (Atak-S and Atabey) in a Free-Range System. *Animals*, 11(5):1458. <https://doi.org/10.3390/ani11051458>
238. Albiñ, A., Seligsohn, D., Rydhmer, L., Gunnarsson, S., Svensson, Th., Hansson, P.-A., Johnsson, P. and Kuns, B., 2021. Klimatanpassning av svensk animalieproduktion – säkrare tillgång på livsmedel under en kris. (Climate adaptation of Swedish animal production – Secured access to food during a crisis). SLU Future Food, Uppsala, Report 15, 52 sidor. https://www.slu.se/globalassets/ew/org/centrb/futurefood/publikationer/future-food-reports/slu-futurefood_rapport15_klimatanpassningavsvenskanimalieproduktion.pdf
239. Sztandarski, P., Marchewka, J., Wojciechowski, F., Riber, A. B., Gunnarsson, S. and Horbańczuk, J. O. 2021. Associations between weather conditions and individual range use by commercial and heritage chickens. *Poultry Science*, 10(8):101265. <https://doi.org/10.1016/j.psj.2021.101265>
240. Marchewka, J., Sztandarski, P., Zdanowska-Sąsiadek, Ż. Adamek-Urbańska, D., Damaziak, K., Wojciechowski, F., Riber, A.B. and S. Gunnarsson 2021. Gastrointestinal tract morphometrics and content of commercial and indigenous chicken breeds with differing ranging profiles. *Animals*, 11(7):1881. <https://doi.org/10.3390/ani11071881>
241. Sztandarski, P., Marchewka, J., Adamek-Urbańska, D., Damaziak, K., Wojciechowski, F., Riber, A.B. and S. Gunnarsson 2021. Associations between neck plumage and beak darkness, as well as comb size measurements and scores with ranging frequency of Sasso and Green-legged Partridge chickens. *Poultry Science*, 100(9):101340. <https://doi.org/10.1016/j.psj.2021.101340>
242. Bestman, M., van Niekerk, T.; Göransson, L.; Ferrante, V.; Gunnarsson, S.; Grilli, G.; de Haas, E., Rodenburg, B. and S. Arndt, 2021. Gut parasite infections and free-range use in organic laying hens. Speech at: FreeBirds - Encouraging organic chickens and laying hens to be more outdoor. Final project webinar, Online, April 22, 2021. <https://orgprints.org/id/eprint/40057/1/210422%20Gut%20parasites%20and%20free-range%20use%20-%20Public%20version.pdf>

243. Gunnarsson, S.; Ferrante, V.; Brinch Riber, A.; Marchewka, J.; Tuytens, F.; Ipek, A.; Sözcü, A.; Bestman, M.; Rodenburg, B. and T. van Niekerk, 2021. Promoting range use in broiler chickens (FreeBirds Practice Abstract).
https://orgprints.org/id/eprint/40213/1/CORE_Organic_practice_abstract_FreeBirds_2.pdf
244. Gunnarsson, S.; Ferrante, V.; Brinch Riber, A.; Marchewka, J.; Tuytens, F.; Ipek, A.; Sözcü, A.; Bestman, M.; Rodenburg, B. and T. van Niekerk, 2021. Promoting range use in laying hens (FreeBirds Practice Abstract).CORE Organic Practice Abstracts.
https://orgprints.org/id/eprint/40212/1/CORE_Organic_practice_abstract_FreeBirds_1.pdf
245. Gunnarsson, S., Lundeheim, N., Wallenbeck, A, Westin, R. and T. Wallgren, T., 2021. Rearing pigs with intact tails: how to do. 3rd Annual Meeting of the European Veterinary Congress of Behavioural Medicine and Animal Welfare, Ghent on-line, 7-9 October 2021. p. 31-31.
246. Gunnarsson, S., 2021. Pretesting of a housing system for breeding layers3rd Annual Meeting of the European Veterinary Congress of Behavioural Medicine and Animal Welfare, Ghent on-line, 7-9 October 2021. p. 123.
247. Göransson, L., Gunnarsson, S. Wallenbeck, A. and J. Yngvesson, J. 2021. Behaviour in Slower-growing Broilers and Free-range Access on Organic Farms in Sweden. *Animals* 11, 2967. <https://doi.org/10.3390/ani11102967>