

# Curriculum Vitae, 19 August 2024

Max Nielsen, Associate Professor

## Profile

Max Nielsen, born 13 June 1968, has been working with fisheries and aquaculture economics and management in several countries worldwide, in particular with markets for products from fisheries and aquaculture, sustainable and efficient management of fisheries, regulation and sustainable growth of aquaculture, bio-economic models of fisheries and production economics of aquaculture. He has been working with public consultancies on fisheries and aquaculture under the contract with the Ministry of Food, Agriculture and Fisheries for many years. Currently he supervises five PhD students, lead a Danida funded project on prawn farming in Bangladesh and teach The Economics of Climate Change. He has in 20 years been part of the working group for fisheries and aquaculture in the Nordic Council of Ministers.

## Education

Sept 1988 - Jun 1993    Master in economics, Odense University, Denmark.  
Jan 2001 - Oct 2004    Ph.D. in Fisheries Economics, University of Southern Denmark, Esbjerg.

## Employment

Oct 1993–Jun 1995    Head of section, Fisheries Division, Ministry of Fisheries, Hunting and Agriculture, Greenland Home Rule, Nuuk, Greenland.  
Jun 1995–Nov 1995    Principal, Budget and Planning Division, Ministry of Trade and Industry, Transportation and Public Works, Greenland Home Rule, Nuuk, Greenland.  
Mar 1996–Mar 1998    Economist, Slagelse Hospital.  
Apr 1998–Dec 2004    Research Analyst, Research Institute of Food Economics, Copenhagen, Danish Ministry of Food, Agriculture and Fisheries  
Sep 2001–Mar 2002    Trainee, Fisheries Division, Directorate for Food, Agriculture and Fisheries, Organization for Economic Cooperation and Development, Paris.  
Jan 2005–Nov 2006    Assistant Professor, Department of Food and Resource Economics, the Royal Veterinary and Agricultural University, Copenhagen.  
Dec 2006–Dec 2007    Associate Professor, Department of Food and Resource Economics, Faculty of Life Sciences, University of Copenhagen.  
Jan 2008-Jan 2010    Head of the Fisheries Unit together with Jesper L. Andersen, Department of Food and Resource Economics, Faculty of Life Sciences, University of Copenhagen.  
Feb 2010–Currently    Associate Professor, the Environmental and Natural Resource Economics Unit (merge of fisheries and environmental units), Department of Food and Resource Economics, Faculty of Science, University of Copenhagen.

I have been employed at the same place as today since April 1998. I was employed at the Institute of Food Economics in Copenhagen, a Sector Research Institute part of the Danish Ministry of Food, Agriculture and Fisheries. The Institute was merged into the Royal Veterinary and Agricultural University, later merged into University of Copenhagen. Faculties, Departments and Units also merged.

## Professional activities

2000-2003	Danish expert member of the Committee for Fisheries in the OECD, 2000-2003.
May 2004–Currently	Referee for American Journal of Agricultural Economics, Aquatic Living Resources, Aquaculture, Aquaculture Reports, Aquaculture Research, Aquaculture Economics and Management, American Journal of Agricultural Economics, Ecological Economics, European Review of Agricultural Economics, Fisheries Research, Journal of Agricultural Economics, Journal of Environmental Management, Marine Policy, Marine Resource Economics, Nature, Science of the Total Environment.
Jun 2005-Currently	Appointed Danish expert member of the Nordic Working Group for Fisheries and Aquaculture providing funding for Nordic research and dissemination projects, The Nordic Fisheries Cooperation, Nordic Council of Ministers.
Jul 2009–Jul 2011	Elected member of the Bureau of the European Association of Fisheries Economists.
2009–Currently	Member of Evaluation Committees for positions at Danish Universities.
2011	Member of the Assessment Committee for funding of marine aquaculture in the Norwegian Research Council.
May 2019–Currently	Associate Editor Aquaculture Economics and Management.

I am a member of the International Institute of Fisheries Economics and Trade and the European Association of Fisheries Economists. I work closely with Nordic Marine Think Tank.

## Research activities

### Grants:

2004	"A review of research of market outlets for Nordic fishermen", 40,000 kr., Nordic Council of Ministers, project coordinator.
2004-2005	" <i>Dansk Fiskeindustri udviklingsmuligheder i den globale økonomi</i> " (Development opportunities for the Danish seafood processing and wholesale branch in the global economy), 424,000 kr., Danish Fishery Development Program.
2006	" <i>Økonomien i de nordiske fiskerier – Fokus på ressourcerenten</i> " (Focus on the economy of the Nordic fisheries – A focus on the resource rent), 250,000 kr., Nordic Council of Ministers, project coordinator.
2007	" <i>Globale markedsmodeller for laksefisk, fiskemel og olie, herunder data for engroshandel</i> " (Global market models for salmon, trout, fish meal and oil, including data on wholesale), 2,213,000 kr., Danish Fishery Development Program, project coordinator.
2007/2010	" <i>2 workshops om globale markedsmodeller for fisk og fiskeprodukter</i> " (2 workshops on global market models for fish and fish products), 450,000 kr., Nordic Council of Ministers, project coordinator.
2009	" <i>Samfundsøkonomisk afkast af pelagiske fiskerier i Nordøstatlantten</i> " (Socio-economic return of pelagic fisheries in the Northeast Atlantic Ocean), 705,000 kr., Nordic Council of Ministers, project coordinator.
2011	" <i>A conceptual framework for green growth in fisheries and aquaculture</i> ", 37,500 kr., OECD, Trade and Agriculture, project coordinator.
2011	" <i>Improvement of Aquaculture high quality fish fry production</i> ", 2,000,000 kr., Danish Strategic Research Council.

- 2012 ”Modelling fuel tax concessions in Nordic fisheries”, 225,000 kr., Nordic Council of Ministers.
- 2012 ”Resource rents and wider economic impacts of fisheries”, 105,000 kr., Nordic Council of Ministers.
- 2012 *The potential of green growth in Nordic fisheries and aquaculture through reductions of nitrogen discharges*, 650,000 kr., Nordic Council of Ministers, project coordinator.
- 2013 “New possibilities for growth and robustness in organic aquaculture”, Green Development and Demonstration Program, Danish AgriFish Agency, 998,000 kr..
- 2013 ”Salary and employment of Nordic coastal fishermen”, 870,000 kr., Nordic Council of Ministers, project coordinator.
- 2014 “Green growth in Bangladesh pangas and tilapia aquaculture”, Danish International Development Agency Danida, 10,000,000 kr., project coordinator.
- 2014 ”Pre-analysis of efficiency of aquaculture regulation in OECD countries”, 37,500 kr., OECD, Trade and Agriculture, project coordinator.
- 2014 Seed funding for the Horizon research application “Improving competitiveness by optimizing the European fish value chains”, 150,000 kr., Danish Ministry of Higher Education and Science, project coordinator.
- 2015 “Analysis of value chains for Greenlandic fish products”, 362,000 kr., Statistics Greenland, project coordinator
- 2016 “Determining the economic value of compensations and nitrogen and phosphorus removal from the Baltic Sea derived as a positive externality from fisheries and aquaculture activities”, 200,000 kr., Nordic Council of Ministers.
- 2017 “Nordic fisheries and regulation approaching 2025”, 1,800,000 kr., Nordic Council of Ministers, project coordinator.
- 2019 “Analysis of the situation for the Danish fisheries and aquaculture sector to the European Maritime and Fisheries Fund 2021-2027”, 400,000 kr., Danish Fisheries Agency, Ministry of Foreign Affairs, project coordinator.
- 2019 “The Nordic flatfish”, 153,000 kr., Nordic Council of Ministers.
- 2020 “Crew Payment Systems in Nordic Fisheries: How different payment systems depend on or influence fisheries management and sustainability”, 100,000 kr., Nordic Council of Ministers.
- 2021 “Brexit and the Consequences for Fisheries Management in the Norwegian Sea”, 100,000 kr., Nordic Council of Ministers.
- 2021 “Fisheries and tourism in Nordic coastal communities”, 200,000 kr., Nordic Council of Ministers.
- 2021 “Sustainable utilization of Marine resources to foster green plant production in Europe”, EU ERA net BlueBio, 1,148,000 kr.
- 2022 “Climate-friendly and climate-resilient prawn farming in Bangladesh”, Danish International Development Agency Danida, 12,000,000 kr., project coordinator.
- 2023 Bæredygtighed af jomfruummerfiskeri med tejner i dansk farvand (Sustainability of fishery with creys in Danish waters, 710,000 kr., Danish Fisheries Agency.

Funding has been provided for 27 projects for a total amount of 36.3 million kr., of which I have coordinated and led 16 projects amounting in total to 30.0 million kr. As part of this, funding has been provided for 18 PhD students, of which twelve students have been enrolled at the Department of Food and Resource Economics. Funding for four of the PhD students has been complemented with additional funding from the Department.

#### Bibliometrics:

	Total publications	Total citations	H-Factor	I-50	I-10
Google Scholar	149	2,091	28	11	51
Scopus	61	1,282	22	5	40

#### Teaching activities

##### Teaching:

2009–2014	Welfare Economics and Policy, 7.5 ects, 6 times, BA course, responsible, 50%.
2017-2023	Applied Environmental and Natural Resource Economics, 7.5 ects, 7 times, Master course, responsible, 36%.
2021-2024	Economics of Climate Change, 7.5 ects, 4 times, Master course, responsible, 45%.
2016-2017 and 2023	Aquaculture Economics and Management, 5 ects, twice, PhD course, responsible first time and teacher second time, 50% and 20%.
2014-2023	Guest lectures in fisheries economics and management, 14 times, BA and Master courses.
2018	Microeconomics, once, BA course.

##### Supervision:

I started supervision of PhD students in 2008 and have supervised 11 PhD students, of which 5 are ongoing. All PhD students have had their degree. I was main supervisor for 8 of the 11 PhD students and co-supervisor for the last three. I have also supervised 11 students in their Master Thesis, 10 students in their Bachelor Thesis and 4 students in their project in practice.

##### Awards received by PhD students or me:

2013	Rasmus Nielsen, The 2013 Ph.D. Dissertation Award in the International Association of Aquaculture Economics and Management
2015	Isaac Ankamah-Yeboah, The 2015 Best Student Paper of the European Association of Fisheries Economists for the paper “Price Premium of Organic Salmon in Danish Retail Trade”, with Max Nielsen and Rasmus Nielsen.
2017	Isaac Ankamah-Yeboah, The 2017 Ph.D. Dissertation Award in the International Association of Aquaculture Economics and Management.
2018	Tenaw Gedefaw Abate, The 2018 Best Paper Award from Aquaculture Economics and Management for the paper “Agency Rivalry in a shared regulatory space and its impact on social welfare: The case of aquaculture regulation, with Rasmus Nielsen and Max Nielsen.
2020	Imranul Islam, The 2020 Best Paper Award from Aquaculture Economics and Management for the paper “Are trade credits a gain or a drain: Power in the sale of feed to pangasius and tilapia farmers in Bangladesh, with Max Nielsen, Birgit Schulze-Ehlers, Badiuzzaman and Ida Theilade.
2020	Venticia Hukom, The 2020 Ph.D. Dissertation Award in the International Association of Aquaculture Economics and Management.

## Public consultancy activities

Public consultancies on fisheries and aquaculture economics and management have continuously been undertaken since 1998, mainly under the contract between the Department of Food and Resource Economics and the Danish Ministry of Food, Agriculture and Fisheries. Many reports and notes have been published and many presentations given.

Most downloads of reports:

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|------|---|
| 2010 | Nielsen, M., P. Andersen, L. Ravensbeck, F. M. Laugesen, J. Andersen, D. M. Kristoffersen, S. Reithe, J. Nilssen and H. Ellefsen (2010), <i>Samfundsøkonomisk afkast af pelagiske fiskerier i Nordøstatlanten</i> (Socio-Economic Return of Pelagic Fisheries in the Northeast Atlantic Ocean), Report from the Nordic Council of Ministers, Theme North 2010:573.<br>Downloads: 5,662. |
| 2008 | Nielsen, M., C.L. Jensen, R. Nielsen, C.S. Petersen, and L. Ravensbeck (2008), <i>Globale markedsmoedeller for laksefisk, fiskemel og olie, herunder data for engroshandel</i> (Global market models for salmon, trout, fish meal and oil, including data on wholesale), report no. 198 from Institute of Food and Resource Economics.<br>Downloads: 4,687.                             |
| 2012 | Anon (2012), <i>Fiskeriets Økonomi 2012</i> (Economic situation of the Danish Fisheries 2012), report from the Institute of Food and Resource Economics,<br>Downloads: 3,114.   |
| 2011 | Anon (2011), <i>Fiskeriets Økonomi 2011</i> (Economic situation of the Danish Fisheries 2011), report from the Institute of Food and Resource Economics.<br>Downloads: 2,553.   |
| 2015 | Nielsen, M., R. Nielsen, L. B. Jacobsen and B. Jacobsen (2015), <i>Better utilization of nitrogen in Danish agriculture and aquaculture</i> , IFRO Commissioned Work no. 2015/05.<br>Downloads: 2,145.  |

## Press

We use press releases for some reports and articles. Examples: (i) The annual publications of the *Economic situation of the Danish Fisheries* 2001-2012 publicly emphasizing that the economy of the fishery started from a low and gradually improved during implementation of Individual Transferable Quotas in 2004-2007, (ii) The publication of *The economy of the Nordic fisheries: Focus on the resource rent* in 2006 and *Socio-economic Return of Pelagic Fisheries in the Northeast Atlantic Ocean* in 2010 after presentations at Nordic Conferences induced intense public debate at the Faroe Islands on the fisheries policy, the size, allocation and possible taxation of the resource rent, (iii) The Final Stakeholder Conference in the Danida project *Green growth in Bangladesh pangas and tilapia aquaculture* that was broadly mentioned in medias and covered in national TV, (iv) The report *Consequences of the Brexit-Agreement for Danish seafood processors and wholesalers* inducing public debate in 2021 putting forward the finding of a smaller than anticipated economic effect of Brexit for Danish fisheries and processors and (iv) The article *Does fishery activity affect local tourism? Evidence from Denmark* from 2024 that during the summer provided follow up in medias on the positive effects of the presence of fishing vessels on tourism in local harbors.

## Publications

Refereed ISI-listed journal articles, other refereed journal articles, reports conference papers appear separately on the complete list below. While all reports are science-based, some are purely scientific where others are public consultancy reports. Selected presentations without paper are also listed.

### Articles in refereed journals listed on the ISI Web of Science

#### *Published*

1. Nielsen, M. (2005), Price formation and market integration on the European first-hand market for whitefish, *Marine Resource Economics*, 20, 185-202.
2. Nielsen, M. (2006), Trade liberalisation, resource sustainability and welfare: the case of East Baltic cod, *Ecological Economics*, 58, 650-664.
3. Nielsen, M. (2006), Supply Regimes in Fisheries, *Marine Policy*, 30, 596-603.
4. Nielsen, M., J. Setälä, J. Laitinen, K. Saarni, J. Virtanen, and A. Honkanen (2007), Market integration of farmed trout in Germany, *Marine Resource Economics*, 22 (2), 195-213.
5. Setälä, J., J. Laitinen, J. Virtanen, K. Saarni, M. Nielsen and A. Honkanen (2008), Spatial integration of freshwater fish markets in the Northern Baltic Sea, *Fisheries Research* 92, 196-206.
6. Nielsen, M (2009), Modelling Fish Trade Liberalisation: Does fish trade liberalisation result in welfare gains or losses? *Marine Policy*, 33(1):1-7..
7. Andersen, J., M. Nielsen and E. Lindebo (2009), Economic gains of liberalising access to fishing quotas within the European Union, *Marine Policy*, 33, 497-503.
8. Nielsen, M., J. Smit and J. Guillen (2009), Market Integration of Fish in Europe, *Journal of Agricultural Economics*, 60(2), 367-385.
9. Nielsen, M., F. Jensen, J. Setälä and J. Virtanen (2011), Causality in fish demand: A co-integrated demand system for trout in Germany, *Applied Economics*, 43, 797-809.
10. Nielsen, M., O. Flaaten and S. Waldo (2012), Management of and Economic Returns from Selected Fisheries in the Nordic Countries, *Marine Resource Economics*, 27 (1), 64-88, March 2012.
11. Nielsen, M., J. Smit and J. Guillen (2012), Price effects of changing quantities supplied at the integrated European fish market, *Marine Resource Economics*, 27 (2), 165-80.
12. Jensen, F., M. Nielsen and R. Nielsen (2014), Increased competition for aquaculture from fisheries: Does improved fisheries management limit aquaculture growth? *Fisheries Research*, 159, 25-33.
13. Nielsen, M., L. Ravensbeck, L. and R. Nielsen (2014), Green growth in fisheries, *Marine Policy* 46:43-52.
14. Abate, T. G., R. Nielsen, M. Nielsen, P. M. Jepsen, B. W. Hansen and G. Drillet (2015), Economic Feasibility of Copepod Production on a Commercial Scale: Result from a Prototype Production Facility, *Aquaculture*, 436:72–79.
15. Ankamah-Yeboah, I., M. Nielsen and R. Nielsen (2016), Price Premium of Organic Salmon in Danish Retail Sale, *Ecological Economics*, 122:54–60.
16. Waldo S., F. Jensen, M. Nielsen, H. Ellefsen, J. Hallgrimsson, C. Hammarlund, Ø. Hermansen and J. Isaksen (2016), Regulating multiple externalities: The case of Nordic fisheries, *Marine Resource Economics*. 31(2):233-257.

17. Abate, T. G., R. Nielsen, M. Nielsen, P. M. Jepsen and B. W. Hansen (2016), A Cost-effectiveness Analysis of Live Feeds in Juvenile Turbot *Scophthalmus maximus* Farming: Copepods versus Artemia, *Aquaculture Nutrition* 22:899-910.
18. Jacobsen, L. B., R. Nielsen and M. Nielsen (2016), Gains of integrating sector-wise pollution regulation: the case of tradable nitrogen pollution permits in Danish agriculture and aquaculture, *Ecological Economics* 129:172-181.
19. Bronmann, J., I. Ankamah-Yeboah and M. Nielsen (2016), Market integration of pangasius and tilapia in relation to wild-caught whitefish in Germany, *Marine Resource Economics*. 31(4):421-432.
20. Nielsen, R., F. Asche and M. Nielsen (2016), Restructuring European freshwater aquaculture from family owned to large scale firms – Lessons from Danish aquaculture, *Aquaculture Research* 47 (12), pp. 3852-3866.
21. Nielsen, M., P. Andersen, L. Ravensbeck, F. Laugesen, D. Kristófersson and H. Ellefsen (2017), Fisheries Management and the Value Chain: The Northeast Atlantic Pelagic Fisheries Case, *Fisheries Research* 186:36-47.
22. Nielsen, R., M. Nielsen, T. G. Abate, B. W. Hansen, P. M. Jepsen, S. L. Nielsen, J. Støttrup and K. Buchmann (2017), The importance of live-feed traps - farming marine fish species, *Aquaculture Research* 48(6):2623-2641.
23. Thong, N. T., M. Nielsen, E. Roth, N. V. Giap and H S. Solgaard (2017), The estimate for world Demand for Pangasius catfish (*Pangasiusianodon hypophthalmus*), *Aquaculture Economics and Management*, 21(3):400-417.
24. Ankamah-Yeboah, I., R. Nielsen and M. Nielsen (2017), Price Formation of the Salmon Aquaculture Futures Market, *Aquaculture Economics and Management* 21(3):376-399.
25. Ankamah-Yeboah, I., L. Staahl and M. Nielsen (2017), Market integration of cold- and warm-water shrimp in Europe, *Marine Resource Economics* 32(4):371-90.
26. Merayo, E., M. Nielsen and S. Waldo (2018), Impact of reducing fishing subsidies and improving efficiency of management: The case of the Northwest Spanish fleet, *Aquatic Living Resources*, 31:70025.
27. Merayo, E., R. Nielsen, A. Hoff and Max Nielsen (2018), Are individual transferable quotas an adequate solution to overfishing and overcapacity? Evidence from Danish Fisheries, *Marine Policy* 87:167-176.
28. Abate, T.G., R. Nielsen and M. Nielsen (2018), Agency Rivalry in a Shared Regulatory Space and Its Impact on Social Welfare: The Case of Aquaculture Regulation, *Aquaculture Economics and Management* 22(1):27-48.
29. Hammerlund, C., M. Nielsen, S. Waldo, R. Nielsen, A. Hoff and V. Bartolini (2018), Fisheries management under nutrient influence: Cod fishery in the Western Baltic Sea, *Fisheries Research* 201:109-119.
30. Nielsen, M., F. Asche, R. Nielsen, A. Hoff, E. Henriksen, O. Bergesen, J. Viðarsson, S. Waldo and J. Blomquist (2018), The Myth of the Poor Fisher: Evidence from the Nordic countries, *Marine Policy* 93:186–194
31. Nielsen, M., I. Ankamah-Yeboah, L. Staahl and R. Nielsen (2018), Price Transmission in the Trans-Atlantic Northern Shrimp Value Chain, *Marine Policy* 93:71-79.
32. Ankamah-Yeboah, I., M. Nielsen and R. Nielsen (2019), Does organic supply growth lead to reduced price premiums? The case of salmonids in Denmark, *Marine Resource Economics* 34(2):105-121.
33. Guillen, J. G., F. Asche, N. Carvalho, J. Fernández Polanco, I. Llorente, R. Nielsen, M. Nielsen and S. Villasante (2019), Aquaculture subsidies in the European Union: Evolution, impact and future potential for growth, *Marine Policy* 104:19-28.
34. Ankamah-Yeboah, I., J.B. Jacobsen, S.B. Olsen, M. Nielsen and R. Nielsen (2019), The Impact of Animal Welfare and Environmental Information on the Choice of Organic

- Fish: An Empirical Investigation of German Trout Consumers, *Marine Resource Economics* 34(3):248-266.
35. Jensen, F., M. Nielsen and H. Ellefsen (2019), Defining economic welfare in fisheries, *Fisheries Research* 218:138-154.
  36. Hukom, V., M. Nielsen, R. Nielsen and I. Ankamah-Yeboah (2020), A hedonic price study on warm- and cold-water shrimp in Danish retail sale, *Aquaculture Economics and Management* 24(1):1-19.
  37. Thong, N.T., I. Ankamah-Yeboah, J. Bronnmann, M. Nielsen, E. Roth, B. Schulze-Ehlers (2020), Price transmission in the pangasius value chain from Vietnam to Germany, *Aquaculture Reports* 16:100266
  38. Ankamah-Yeboah, I., F. Asche, M. Nielsen, R. Nielsen and J. Bronnmann (2020), Consumer preference heterogeneity and preference segmentation: The case of eco-labeled salmon in Danish retail sales, *Marine Resource Economics* 35(2):159-176.
  39. Bohnes, A. L., U.P. Rodriguez, M. Nielsen, A. Laurant (2020), Are aquaculture growth policies in high-income countries due diligence or illusionary dreams? Foreseeing policy implications on seafood production in Singapore, *Food Policy* 2020:101885.
  40. Islam, I., M. Nielsen, B. Schulze-Ehlers, Badiuzzaman and I. Theilada (2020), Are trade credits a gain or a drain? Power in the sale of feed to pangasius and tilapia farmers in Bangladesh, *Aquaculture Economics & Management* 2020(24):338–354.
  41. Hukom, V., R. Nielsen, M. Asmild and M. Nielsen (2020), Do aquaculture farmers have an incentive to maintain good water quality? The case of small-scale shrimp farming in Indonesia, *Ecological Economics* 176:106717
  42. Hoff, A., M. Nielsen and R. Nielsen (2021), Do efficient small-scale fishers stay active in eras of introducing individual transferable quotas? Evidence from Denmark, *Aquatic Living Resources* 34:16.
  43. Islam, I., M. Nielsen, Badiuzzaman and B. Schulze-Ehlers (2021), Knowledge transfer from experienced to emerging aquaculture industries in developing countries: The case of shrimp and pangasius in Bangladesh, *Journal of Applied Aquaculture*, 33(2):73-95
  44. Dhar, A.R., M.T. Uddin and M. Nielsen (2021), Enhancing export potential of Pangasius and Tilapia through quality assurance and safety compliances: Case study of processing plants and exporters in Bangladesh, *Aquaculture* 531:735921.
  45. Hossain, A., M. Nielsen, I. Badiuzzaman and F.A. Huda (2021), Market integration between cultured and captured species in developing countries: Lessons from inland areas in Bangladesh, *Marine Resource Economics* 36(2):155-172.
  46. Hoque, M.S., M.M. Haque, M. Nielsen, Badiuzzaman, M.T. Rahman, M.I. Hossain, S. Mahmud, A.K. Mandal, M. Frederiksen and E.P. Larsen (2021), Prospects And Challenges Of Yellow Flesh Pangasius In International Markets: Secondary And Primary Evidence From Bangladesh, *Heliyon* 7(9):e08060.
  47. Haque, M.M., A.M. Mehedi, M.S. Hoque, N.A. Hasan, M. Nielsen, M.I. Hossain and M. Frederiksen (2021), Can Bangladeshi pangasius farmers comply with the requirements of aquaculture certification? *Aquaculture Reports* 21(November):100811.
  48. Islam, I., M. Nielsen, B. Schulze-Ehlers and Badiuzzaman (2022), Exploring Performance Deficits in the Fish Feed Supply Chain of Bangladesh, *Operations and Supply Chain Management* 15(1):136–147.
  49. Nielsen, M., P. Andersen, F. Asche, H. Ellefsen, C. Hammarlund, A. Hoff, D.M. Kristofersson, R. Nielsen, H. Rógvi, K. Roll, H. Sævaldsson, J. Virtanen and S. Waldo (2022), Can small-scale fisheries survive market-based management? Nordic evidence, *Fish and Fisheries* 23(1):256–272.
  50. Hukom, V., R. Nielsen, R. and M. Nielsen (2022), Effects of co-management on technical efficiency and environmental stressors: An application to small-scale shrimp polyculture in Indonesia, *Aquaculture Economics and Management* 26(1):98-117.



51. Hossain, A., Badiuzzaman, M. Nielsen, M.S. Hoque and E. Roth (2022), The role of private companies in improving nutrition of consumer groups in a developing country: a hedonic analysis of tilapia attributes in Bangladesh, *Journal of Applied Aquaculture* 34(3):598–624.
52. Bohnes, F.A., M.Z. Hauschild, J. Schlundt, M. Nielsen and A. Laurant (2022), Environmental sustainability of future aquaculture production: Analysis of Singaporean and Norwegian policies, *Aquaculture* 549:737717.
53. Hossain, A., Badiuzzaman, M. Nielsen and E. Roth (2022), Consumer willingness to pay for quality attributes of pangasius (*pangasianodon hypophthalmus*) in Bangladesh: A hedonic price analysis, *Aquaculture* 555:738205.
54. Saha, P., M.E. Hossain, M.M.H. Prodhan, M.T. Rahman, M. Nielsen and M.A. Khan (2022), Profit and loss dynamics of aquaculture farming, *Aquaculture* 561:738619.
55. Jensen, F., V. Hukom, R. Nielsen and M. Nielsen (2023), An upstream-downstream externality related to water quality: The case of the Porong River in Indonesia, *Aquaculture Economics and Management* 27(3):405-440.
56. Islam, I., M. Nielsen, M. Bossemann and Badiuzzaman (2023), Drivers of captive relationships in the pangasius and tilapia value chains in Bangladesh, *Aquaculture*, 574:739721.
57. Khan, A., R. Nielsen, M. Nielsen and M.E. Hossein (2024), Impact of climatic and non-climatic factors on shrimp production: Empirical evidence from Bangladesh, *Aquaculture Economics and Management* doi.org/10.1080/13657305.2024.2353206.
58. Hossain, A., M. Nielsen and A. Islam (2024), Consumer preferences and willingness to pay for quality attributes of farmed fish in Bangladesh: A logit regression and a hedonic price analysis, *Aquaculture Economics and Management*, 28(2):262–280.
59. Asmild, M., V. Hukom, R. Nielsen and M. Nielsen (2024), Is economies of scale driving the development in shrimp farming from *Penaeus monodon* to *Litopenaeus vannamei*? The case of Indonesia, *Aquaculture*, 579:740178.
60. Nielsen, M., A. Andersson, R. Nielsen, J. Blomquist, S. Waldo (2024), Does fishery activity affect local tourism? Evidence from Denmark, *Marine Policy* 161:106051.
61. Hossain, A., M. Nielsen, R. Nielsen and Badiuzzaman (2024), The choice of prawn or shrimp? Lesson from consumer preferences and price acceptance in the Bangladesh wet fish market, *Aquaculture* 583:740580.

*Invited for resubmission and resubmitted*

1. Elleby, C., A. Hoff, M. Nielsen, B. Best, P. Lirette, C. Costello, R. Martini and R. Nielsen, Enhancing global food security through the introduction of Maximum Sustainable Yield targets in fisheries, invited for resubmission and resubmitted to *Communications Earth and Environment*, May 2024.
2. Sumon, S.M., M. Nielsen, Badiuzzaman, R. Nielsen and A. Hossain, The value of quality: Implicit prices for consumer groups purchasing prawn at Bangladesh fish markets, invited for resubmission and resubmitted to *Journal of Applied Aquaculture*, July 2024.

*Invited for resubmission*

1. Bjorndal, T., R Arnason, Z.M. Mrdalo and M. Nielsen, Instability in international fisheries cooperation: The case of pelagic fisheries in the North-East Atlantic, invited for resubmission to *Marine Resource Economics*, June 2024.

#### *Submitted*

1. Alam, M.M., M.M. Haque, N. Jørgensen, D. Bass, M. Santi, M. A. Rahman, N.A. Hasan, A.L. Bablee, A. Bashar<sup>2</sup>, M.I. Hossain, L.H. Hansen and M.Nielsen, Potential of Integrated Multi-trophic Aquaculture to Make Prawn Farming Sustainable in Bangladesh, submitted to *Frontiers in Sustainable Food Systems section Climate-Smart Food Systems*, April 2024.
2. Uddin, M.N., M.A. Khan, M. Nielsen and R. Nielsen, The potential of integrated multi-trophic aquaculture as an alternative to traditional shrimp farming: A global review of environmental, economic and social sustainability, submitted to *Reviews in Aquaculture*, April 2024
3. Hukom, V., M. Nielsen and R. Nielsen, Responses to climate change: Perceptions and adaptation among small-scale farmers in Indonesia, submitted to *Environmental Management*, June 2024
4. Badiuzzaman, M.T. Rahman, M.A.S. Mandal, M. Nielsen and M. Akteruzzaman, Economic Performance of Coastal vs. Noncoastal Pond Farming of pangasius and tilapia in Bangladesh (Badiuzzaman), submitted to *Aquaculture*, July 2024.
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7. Nielsen, M. (2002), Price formation on the European first-hand whitefish market, paper presented at the 14th Conference in the European Association of Fisheries Economists, Faro, Portugal.
8. Nielsen, M. (2002), Trade liberalisation and resource sustainability, paper presented at the 11th Conference in the International Institute of Fisheries Economics and Trade, Wellington, New Zealand.
9. Jensen, F., Nielsen, M. and Roth, R. (2003), Application of the Inverse Almost Ideal Demand System to Welfare Analysis, paper presented at 15th Conference in the European Association of Fisheries Economists, May 2003 in Brest, France.
10. Nielsen, M. (2003), Market integration and demand: analysis of the European herring market, paper presented at 15th Conference in the European Association of Fisheries Economists, May 2003 in Brest, France.
11. Nielsen, M., F. Jensen and E. Roth (2004), A Cost-Benefit Analysis of a Public Labelling Scheme of Fish Quality, paper presented at 16th Conference in the European Association of Fisheries Economists, April 2004 in Rome, Italy.
12. Nielsen, M. (2004), Welfare implications of EU enlargement: The case of East Baltic cod, Paper presented at the 12TH Conference in the International Institute of Fisheries Economics and Trade, Tokyo, Japan, July.

13. Setälä, J., J. Laitinen, J. Virtanen, K. Saarni, M. Nielsen and A. Honkanen (2006), Spatial integration of freshwater fish markets in the northern Baltic Sea areas, Paper presented at the 13TH Conference in the International Institute of Fisheries Economics and Trade, Portsmouth, UK, July.
14. Virtanen, J., J. Setälä, J. Laitinen, K. Saarni, M. Nielsen and A. Honkanen (2006), Delineation of Finnish fish markets: Interactions between wild and farmed fish species, Paper presented at the 13TH Conference in the International Institute of Fisheries Economics and Trade, Portsmouth, UK, July.
15. Nielsen, M., Setälä, J., Laitinen, J, Saarni, K., Virtanen, J. & Honkanen, A. (2006), Integration and causality in demand: Farmed trout in Germany, Paper presented at the 13TH Conference in the International Institute of Fisheries Economics and Trade, Portsmouth, UK, July.
16. Nielsen, M., F. Jensen, J. Setälä and J. Virtanen, Demand for trout in Germany (2007), paper presented at the 18th Conference in the European Association of Fisheries Economists, July, Reykjavik, Iceland.
17. Yeboah, I. A., M. Nielsen and R. Nielsen (2015), Organic salmon: considered a fisheries or agricultural product among consumers? Paper presented at The European Association of Fisheries Economists Conference in Salerno, Italy.

Conference papers have been limited in recent years, since papers are increasingly targeted refereed journals.

### **Selected presentations without paper**

1. Nielsen M. (2001), International seafood trade liberalisation, presentation of Ph.D. thesis at a Ph.D. course entitled Dynamic Analysis and Applications in Resource and Environmental Economics, Fredericia, Denmark, 12-16 November 2001.
2. Nielsen M. (2003), International seafood trade liberalisation, presentation of Ph.D. thesis at a Ph.D. course entitled International trade, resources and environment, Esbjerg, Denmark, 10-14 March 2003.
3. Nielsen M. (2004), Analyse af prisdannelsen på det europæiske marked for torskefisk (An analysis of price formation on whitefish in Europe), presentation on a fishnet.dk seminar with the title "Fisk, mennesker og etik" (Fish, people and ethics), Frederiksberg, Denmark, 13-14 January 2004.
4. Nielsen M. (2004), Welfare implications of the EU enlargement: the case of East Baltic cod, presentation at a workshop entitled New Policies and Options in Fisheries Management, Roskilde, Denmark, 26-28 January 2004.
5. Nielsen M. (2004), Linkages between price formation on fish markets and management of fish stocks, Ph.D. defence at the University of Southern Denmark, held at Frederiksberg, 22 October 2004.
6. Nielsen, M. (2006), Interview with the Faroese television company SVF, in the news "Dagur og Viker" 3-4 May 2006 on the allocation of the resource rent and resource rent taxation of the Faroese pair-trawler fishery.
7. Nielsen, M., O. Flaaten and S. Waldo (2009), Socio-economic return in Nordic fisheries, presentation at the 19th Conference in the European Association of Fisheries Economists, July, Malta.
8. Nielsen, M. (2009), Økonomien i det globale supermarked (The economics of the global supermarket), presentation at the SeafoodCircle theme day Klimaforandringerne betydning for den danske fiskeindustri & udfordringerne omkring import af eksotiske fisk (The importance of climate change for the Danish

- seafood industry and challenges with import of exotic fish, arranged by DTU Aqua and held in Horsens, 1 October 2009.
9. Nielsen, M. (2010), Market Integration of Fish in Europe, presentation at the workshop entitled Global Market Models for Fish and Fish Products – Focus on Markets, Consumption and Aquaculture Supply, Copenhagen, 13-14 January 2010.
  10. Nielsen, M. (2010), Global Market Models for Fish and Fish Products – Focus on Markets, Consumption and Aquaculture Supply, organiser of and introductory speaker on the workshop coordinated by M. Nielsen and funded by the Nordic working group of Fish, Nordic Council of Ministers, Copenhagen, 13-14 January 2010.
  11. Nielsen, M. (2010), Landinger af fisk i danske havne – med fokus på klimaforandringerne betydning, (Landings of fish in Danish Harbours – with focus on the importance of climate change), presentation at the meeting in the Association of Danish Harbours 29 September 2010 in Hundested Harbour.
  12. Nielsen, M. (2010), Socio-Economic Return of Pelagic Fisheries in the Northeast Atlantic Ocean, presentation of the report Theme North 2010:573 at the Nordic Minister Conference "The Pelagic Complex in the Northeast Atlantic Ocean: Challenges and possibilities in the pelagic sector. Looking towards the future", on the Faroe Island, 7-9 September 2010.
  13. Nielsen, M. (2011), Interpreting price elasticities and flexibilities of demand at internationally integrated seafood markets, workshop on *Modelling Global Demand for tuna*, in Nantes, 14-15 April 2011.
  14. Nielsen, M. (2011), Fiskerne får for lidt for deres fisk, forbrugerne betaler skyhøje priser: kan markedet virkeligt fungere? (Fishermen achieve a too small price for their fish, consumers pay sky-high prices: Does the market really work? Annual day in the Danish Ministry of Food, Agriculture and Fisheries, Hirtshals, 9 Juni 2011.
  15. Nielsen, M. (2011), Økonomi og afsætning af mulige nye arter i dansk akvakultur (Economy and markets for possible new species in Danish aquaculture), workshop on the introduction of possible new species in Danish aquaculture, Billund, 15 November 2011. With Rasmus Nielsen.
  16. Nielsen, M. (2011), How can better management induce green growth in fisheries and aquaculture? *The "nordist" meeting for people with Nordic background employed in international organizations and working with fisheries and aquaculture*, Helsinki, 23 November 2011
  17. Nielsen, M. (2011), A welfare perspective on the Common Market Organisation (CMO) revision, *EAFE discussion forum on CMO reform*, Fisheries Committee, European Parliament, Brussels, 6 December 2011.
  18. Nielsen, M. (2012), Green growth in fisheries and aquaculture, *Green Growth Nordic*, Trondheim, 26-27 June.
  19. Nielsen, M. (2012), Modelling fuel tax concessions in Nordic fisheries, *OECD Committee of Fisheries meeting*, Paris, 29 October 2012.
  20. Nielsen, M., E. Larsen, J. Egekvist, T. G. Abate, R. Nielsen, H. Frost, and J. Kjærsgaard (2013), *Dansk kystfiskeri: Struktur og økonomi* (Danish coastal fishery: Structure and economics), Committee for coastal fishery in Denmark, Ministry of Food, Agriculture and Fisheries, 27 February 2013.
  21. Nielsen, M. (2013), *Benefits and costs of marine spatial planning: a conceptual framework*, Theme Day on Future Marine Spatial Planning, Danish Shipowners Association, Copenhagen, September 2013.
  22. Nielsen, M. (2015), *Fisheries taxation in the West Nordic Countries: Why, how and how much?* (Fiskeriafgifter i de Vestnordiske lande: Hvorfor, hvordan og hvor meget)? Workshop on Fishery Policies and Resource Rents in Nordic Fisheries funded by the Nordic Council of Ministers, Reykjavik, 7-8 January 2015.

23. Nielsen, M., R. Nielsen, L. B. Jacobsen and B. Jacobsen (2015), Improved utilization of nitrogen in Danish agriculture and aquaculture (Bedre udnyttelse af kvælstof i landbrug og akvakultur), Danish AgriFish Agency 21 January 2015
24. Hammerslund, C. and M. Nielsen (2015), *Management and economics of cod fisheries in the West Baltic Sea and nitrogen discharges*, workshop on Fisheries, aquaculture and the marine environment: Environmental challenges and regulation, with focus on nitrogen, held in Copenhagen, June 2015.
25. Nielsen, M. (2015), *An Environmental Economic point of view, with nitrogen as an example* (En miljøøkonomisk synsvinkel, med kvælstof som eksempel), CEPOS Network Conference "A world under continuous change for the benefit of the nature, 30 October, Copenhagen.
26. Nielsen, M. (2015), *Economic and social consequences of the introduction of Individual Transferable Quotas in Danish fisheries 2003-2007*, working group for fish, Nordic Council of Ministers, November 2015.
27. Nielsen, M. and I. Ankamah-Yeboah (2018), *Markedsforhold for økologisk ørred/laks* (Markets for organic trout and salmon), Presentation at the theme day on organic fish farming in Danish Aquaculture, 5 April 2018, Silkeborg.
28. Nielsen, M. (2018), *Structural Adjustment and Regulation of Nordic Fisheries until 2025: A focus on Market Based Fisheries Management*, Presentation at the Conference on market-based fisheries management, held by the Nordic Council of Ministers, 11-12 October 2018, Stockholm.
29. Nielsen, M. (2019), *Udviklingen i dansk kystfiskeri efter 2016* (The development in Danish coastal fisheries after 2016), Presentation in the Danish Ministry of Food, Agriculture and Fisheries, 21 October 2019.
30. Nielsen, M. (2020), *Upgrading pangas and tilapia value chains in Bangladesh: Value chains*, Inaugural session of the Final Stakeholder Conference of the Danida Funded project Upgrading pangas and tilapia value chains in Bangladesh, 18 January 2020 in Mymensingh, Bangladesh.
31. Nielsen, M. (2021), *How does the fisheries and aquaculture value chains impact the climate? Identifying pathways to mitigating the impacts of our activities: An Economic Perspective*, Presentation at the Nordic Climate Change Forum for Fisheries and Aquaculture, 9-10 December 2021, Helsingør.
32. Nielsen, M. and R. Nielsen (2022), *Udviklingen i dansk kystfiskeri 2018-2021* (The development in Danish coastal fisheries 2018-2021), Presentation in the Danish Ministry of Food, Agriculture and Fisheries, 15 August 2022.
33. Nielsen, M. (2022), *Overview of the project Climate-friendly and climate-resilient prawn farming in Bangladesh*, presentation at the Start-up Stakeholder Conference of the Danida Funded project Climate-friendly and climate-resilient prawn farming in Bangladesh, 28 November 2022, Khulna, Bangladesh.
34. Nielsen, M. (2023), *What targets have been achieved with Individual Transferable Quotas/Vessel Quota Shares in Danish fisheries 2004-2007, what have not been achieved and why?* Presentation for Swedish authorities considering how Individual Transferable Quotas can be introduced in Sweden, Lund, 8 December.
35. Nielsen, M., A.G. Boye, M. Vinther, P.B. Petersen (2024), *Den Europæiske Hav, Fiskeri og Akvakultur Fond 2021-2027 – Nye tendenser og opdatering af SWOT-analysen 2023* (The European Maritime, Fisheries and Aquaculture Fund 2021-2027 – New trends and update of the 2023 analysis), presentation of IFRO Report no. 2024/11, Danish Ministry of Food, Agriculture and Fisheries, 28 May 2024.