

CURRICULUM VITAE

Dr. Jörn Gessner

Affiliation

Leibniz-Institute of Freshwater Ecology and
Inland Fisheries

Müggelseedamm 310
D-12587 Berlin

Telefon & Fax: +49 30 64181626
e-mail: sturgeon@igb-berlin.de



Personal Data

Jörn Gessner, Dipl. Biol., Dr. agr.
Born: 26. April 1962 in Hamburg
Nationality: German

Education

1983 - 1990: Studies in biology at University of Hamburg: zoology, botany, physiology, systematics, genetics, microbiology, anthropology, statistics, physics, inorganic and organic chemistry

During the specialization phase: in depth studies on fisheries biology, limnology, oceanography, and aquaculture. Additional studies in zoology: physiology, parasitology, developmental biology, zoogeography. Additional studies in microbiology: physiology and genetics of bacteria and fungi.

Participated in research-projects and field investigations with the Federal Institution for Fisheries Research, mainly with the Institute of Coastal and Inland Fisheries and the Institute for Capture Techniques

1989 - 1990 Thesis on the "Behavior of sturgeon (*Acipenser transmontanus* R.) under the experimental aquaculture conditions", including a 2 month research phase at Malaspina College, Nanaimo, British Columbia, Canada under the Canadian-German Cooperation

April 1990 Diploma (MSc) in Biology, specialization in fisheries sciences, zoology and microbiology

December 2008 Promotion Doctorum rerum agriculturalarum, Humboldt Universität zu Berlin, „summa cum laude“

Working Experience

Professional development and training

1988 - 1991	Scientific assistant with Prof. H. Rosenthal, Institute for Marine Sciences, University of Kiel. Including 2 months research field work on the behaviour of larval sturgeon at Malaspina College, Nanaimo, B.C., Canada
1991	Participant in an experiment on sublittoral aeration in an eutrophic lowland lake in Germany for the Senate for Environmental Protection of the City of Hamburg
1992	Co-worker (with Prof. H. Rosenthal) in a report on the feasibility and possible design of a fish ladder in an embanked tidal Elbe estuary in Hamburg for the Senate for Environmental Protection of the City of Hamburg
1991 - 1995	Consultant for production management, and technical and biological advisor for a major German sturgeon farm (SAXENSTÖR Edle Fische GmbH, Eula, Germany)
1993 - 1994	General manager for hafiko - Handelsfischkompanie mbH, the sales branch of SAXENSTÖR
1994 - 1996	Consultant for fish farming and international project development with FSKO GmbH, Hamburg, Germany; scientific and practical development of a sturgeon farm in Beijing, China, including production planning and negotiating the contract; subsequent training of personnel
1994 - present	Co-founder and chairman of the "Society to Save the Sturgeon (Gesellschaft zur Rettung des Störs (A. <i>sturio</i>) e.V.)", aiming at the coordination and organization of sturgeon research and stock management in Western and Central Europe, mainly involved in the integration of the different interest groups in this topic under the Society, planning and management of joint activities, project development, public relations
1996 - 1998	Project manager for the E&E research programme on the "Conservation and enhancement of Common sturgeon on the Odra river" funded by Federal Agency for Nature Conservation
1996 – 2009	Project employed Staff member Leibniz-Institute for Freshwater Ecology and Inland Fisheries
1997	Participant in a course on scientific communicating: publication and presentation techniques for scientists at the Institute for Freshwater Ecology and Inland Fisheries, Berlin

1998	Participant in a course on fish parasitology: theoretical and practical aspects at the Institute for Freshwater Ecology and Inland Fisheries, Berlin
1997 - 2001	German co-ordinator for the German-Georgian co-operation programme on the protection and re-establishment of <i>A. sturio</i> in the Rioni river
1997 - 2018	Project manager for the Helsinki Commission/Environmental Committee-Nature Project group on Baltic sturgeon protection and enhancement, coordinating the efforts for restoration in the Baltic Sea area with 9 members countries
1997 – present	German co-ordinator for the German-Polish co-operation programme on the bilateral programme on sturgeon protection and re-establishment
1999 - 2004	Project manager for the Federal Agency for Nature Conservation funded research programme "Restoration of Atlantic sturgeons in Germany"
2001 –2003	Project leader for the German – Canadian bilateral programme CAN 010/01 "Ex-situ Maßnahmen zum Aufbau eines Elterntierbestandes als Voraussetzung der Wiedereinbürgerung des <i>A. oxyrinchus</i> in der Ostsee"
2003 –present	Co-founder of the World Sturgeon Conservation Society
2004 – 2011	Secretary General of the World Sturgeon Conservation Society e.V.
2004 - 2006	Projectmanager of the BMBF F&E Project FKZ 0330532 Investigation into the ecology of Atlantic sturgeons as a prerequisite for the restoration of past fish community structures of large rivers
2005 – 2009	Projectmanager/Projectleader Federal Agency for Nature Conservation funded research programme „Species recovery of sturgeons in Germany“ Az: Z 1.3-892 11-6/05
2009 – present	Senior Scientist Leibniz-Institute for Freshwater Ecology and Inland Fisheries
2009 – 2012	Projectleader for the Federal Agency for Nature Conservation funded research programme BfN „Preparatory measures for the reestablishment of European sturgeon " <i>Acipenser sturio</i> L. in the North Sea tributaries“ Az.Z 1.3-892 11-4/09
2010 – 2012	FAO Consultant "Development of a Turkish National Action Plan"
2011 – 2019	Treasurer of the World Sturgeon Conservation Society e.V.
2012	Co-Auditor for ISO 2001 Certification of a sturgeon aquaculture facility with the TÜV-Thuringia
2013 – 2017	IUCN Sturgeon Specialist Group and Species Survival commission, Species Assessment officer

2017	Consultant for WWF Caucasus on Sturgeon Identification Guideline and training WS
2017 – present	Member of the IUCN Sturgeon Specialist Group
2018 – present	Member of the Steering Committee for Iron Gates passage to the ICPDR
2019 – present	WSCS Vice President

Conference organization

6 - 11 Sept. 1999	First Symposium on Conservation of the Atlantic Sturgeon <i>Acipenser sturio</i> in Europe, Madrid & Sevilla, Spain; 45 invited participants - member of scientific advisory committee - member of editorial board - chairman of session on restoration programmes for the species
12 - 15 Mch. 2000	Symposium on Caviar Production Recent Developments & Future Trends in Breeding, Conservation and Product Processing of Sturgeons, Berlin, Germany; 45 invited participants - member of scientific and organizing committees - member of editorial board
27 – 28 June 2002	“International workshop on species differentiation and population identification in <i>A. sturio</i> ”, Blossin; 65 invited participants - Chair of “scientific and organizing committees” - Editor in Chief
8. – 12. Mai 2005	5th International Symposium on Sturgeons, Ramsar, Iran, 412 Teilnehmer -Member of the Organizing Committee -Lead of evaluation committee for the poster session
25. - 31.10.2009	6th International Symposium on Sturgeons, Wuhan, China, 624 Teilnehmer - Member of the Organizing Committee --Lead of evaluation committee for the poster session -Session chair -Workshop chair
24. – 28.6.2011	NASPS (North American Sturgeon and Paddlefish Society) Annual Conference - member of organizing committee
8. – 12.8.2011	ISRS 2011 2nd Biennial Symposium of the International Society for River Science (ISRS) -Member of the Organizing Committee -Session chair
19.1.2012 - 21.4.2012	Co-Organizer of 2nd Polish-German Aquaculture and Fisheries Conference, Berlin, Germany

CV Jörn Gessner

- 16.1.2013 - 18.1.2013 Co-Organizer of 3rd Polish-German Aquaculture and Fisheries Conference, Berlin, Germany
- 21.7.13 – 25.7.2013 7th International Symposium on sturgeons
-Member of the Organizing Committee
-Member of the Scientific Advisory Committee
-Session chair
- 21.1.2014 - 23.1.2014 Co-Organizer of 4th Polish-German Aquaculture and Fisheries Conference, Berlin, Germany
- 18.1.2015 - 20.1.2015 Co-Organizer of 5th Polish-German Aquaculture and Fisheries Conference, Berlin, Germany
- 17.1.2016 - 19.1.2016 Co-Organizer of 6th Polish-German Aquaculture and Fisheries Conference, Berlin, Germany
- 10.9.2017 – 17.9.2017 8th International Symposium on sturgeons, Vienna
-Co-Chair of the Organizing Committee
-Chair of the Scientific Advisory Committee
-Session chair
-Co – Editor proceedings of the Symposium in Journal of Applied Ichthyology
- 18.1.2017 - 22.1.2017 Co-Organizer of 7th Polish-German Aquaculture and Fisheries Conference, Berlin, Germany
- 19.1.2018 - 23.1.2018 Co-Organizer of 8th Polish-German Aquaculture and Fisheries Conference, Berlin, Germany
- 15.1.2018 - 19.1.2019 Co-Organizer of 9th Polish-German Aquaculture and Fisheries Conference, Berlin, Germany

Editorial work

- 1994 - 1999 Editor des "Sturgeon Newsletter - the biannual information brochure for the Society to Save the Sturgeon"
- 1999 Co-Editor "First International Symposium on Conservation of the Atlantic Sturgeon, *Acipenser sturio* in Europe" Madrid – Seville, September 1999.
- 2000 Co-Editor "Symposium on Caviar Production: Recent Development and Future Trends in Breeding, Conservation and Product Processing of Sturgeons".
- 2002 Editor der Proceedings of the international workshop on species differentiation and population identification in Atlantic sturgeons *A. sturio* L. and *A. oxyrinchus* Mitchill, June 27 and 28th, 2002, Blossin, Germany.
- 2008 Co-Editor "Draft Action Plan for the conservation and restoration of the European Sturgeon"; CONVENTION ON THE CONSERVATION OF EUROPEAN WILDLIFE AND NATURAL HABITATS Standing Committee 27th meeting, Strasbourg, 26-29 November 2007
- 2010 Editor „Nationaler Aktionsplan zur Arterhaltung des Europäischen Störes (*Acipenser sturio*)“, BMU, BfN 2010

- 2011 Co-Editor „Biology and Conservation of the European Sturgeon *Acipenser sturio* L. 1758”
Springer , 1st Edition., 2011, XXVIII, 668 p.
- 2014 Editor “European Sturgeon – Fish of the Year” DAFV Offenbach, 88p
- 2014 – present Editorial Board Journal of Applied Ichthyology, Wiley & Sons
- 2016 – present Editorial Board Acta Ichthyologia & Piscatoria, Olsztyn, Poland

Publications

a) Peer Review Publications

1. Anders, E., Arndt, G.-M., Gessner, J., Paetsch, U. 2005. Einige Erfahrungen mit der Reproduktion von Stören. Fischfang und Fischerei in Mecklenburg-Vorpommern 14:3-11.
2. Acolas, M.-L., Lassalle, G., Gessner, J. 2019. European sturgeon *Acipenser sturio* . pp. 94-98. In: Karen Wilson, Lari Veneranta (eds), Data Limited Diadromous Species – review of European status. ICES Cooperative Research Report No. XXX. XX pp.
<https://doi.org/10.17895/ices.pub.XXXX>, ICES Copenhagen, Denmark, 269pp.
3. Acolas, M.L., Gessner, J., Rochard, E. 2011. Population Conservation requires improved understanding of in-situ life histories. Pp. 585-592. In: Williot, P., Rochard, E., Desse-Berset, N., Kirschbaum, F., Gessner, J. Biology and Conservation of the European Sturgeon *Acipenser sturio* L. 1758 Springer, Heidelberg, Dordrecht, London, 663p.
4. Arndt, G. M. , Gessner, J. , Anders, E. , Spratte, S. , Filipak, J., Debus, L. and K. Skora. 2000. Predominance of exotic and introduced species among sturgeons captures from the Baltic and North Seas and their watersheds. In: Elvira, B. et al. (Eds). Proceedings of the 1st Symposium on Conservation of the Atlantic Sturgeon *Acipenser sturio* in Europe, 6-11 September, 1999, Madrid & Sevilla, Spain. Bol. Inst. Esp. Oceanogr. 16(4): 17-28.
5. Arndt, G.M.; Gessner, J.; Bartel, R. 2006. Characteristics and availability of spawning habitat for Baltic sturgeon in the Odra River and its tributaries. J. Appl. Ichthyol.22 (Suppl. 1): 172-181.
6. Arndt, G.-M., Gessner, J., Raymakers, C. 2002. Trends in farming, trade and occurrence of native and exotic sturgeons in natural habitats in Central and Western Europe. J. Appl. Ichthyol., 18, 4-6, 444-449.
7. Bronzi, P., Chebanov, M., Michaels, J.T., Wei, Q., Rosenthal, H., Gessner, J. 2019. Sturgeon meat and caviar production: Global update to 2017. Journal of Applied Ichthyology 35(1): XXX. DOI: 10.1111/jai.13870
8. Bronzi, P., Rosenthal, H., Gessner, J. (2011) Global sturgeon aquaculture production: an overview. J. Appl. Ichthyol. 27(2) 169-175.
9. Camara-Ruiz, M., Wuertz, S., Espirito-Santo, C., Gessner, J. 2018. How to improve foraging efficiency for restocking measures of juvenile Baltic sturgeon (*Acipenser oxyrinchus*). Aquaculture XXX, <https://doi.org/10.1016/j.aquaculture.2018.12.021>
10. Camara-Ruiz, M., Gessner, J., Wuertz, S. 2019. Effects of environmental enrichment on neural plasticity in juvenile Baltic sturgeon (*Acipenser oxyrinchus*).
11. Camara-Ruiz, M., Gessner, J., Wuertz, S. 2019. Does juvenile Baltic sturgeon (*Acipenser*

- oxyrinchus*) smell the enemy? Journal of Applied Ichthyology. - 35(2019)4, S. 835-842-
12. Cao, H., Zhang, L., Gessner, J., Congiu, L., Gao, W., Kynard, B., Wei, Q., Xie, P. 2025. Learn from Chinese examples to save endangered sturgeons from hydropower dams? Nature Ecology and Evolution. <https://doi.org/10.1038/s41559-025-02709-4>
 13. Charbonnel, A., Lassalle, G. a, Lambert, P, Quinton, E. Gessner, J., Rochard, E., Colclough, S., Brevé, N., Acolas, M.-L. 2024 Travelling away from home? Joining global change and recovery scenarios to anticipate the marine distribution of diadromous fish. *Ecological Indicators* 160 (2024) 111762
 14. Chebanov M., Rosenthal H., Gessner J., van Anrooy R., Doukakis P., Pourkazemi, M., Williot, P. (2012) Sturgeon hatchery practices and management for release : FAO Tech Report Series, Guidelines: 110 pp.
 15. Congiu, L. Gessner, J., Ludwig, A. 2023. IUCN Red List reassessment reveals further decline of sturgeons and paddlefishes. *Oryx*, 2023, 57(1), 9–14
 16. Du, K. Stöck, M., Kneitz, S., Klopp, C., Woltering, J. M., Adolphi, C., Feron R., Prokopov, D., Makunin, A., Kichigin, I., Schmidt, C., Fischer, P., Kuhl, H., Wuertz, S., Gessner, J., Kloas, W., Cabau, C., Lampietro, C., Parrinello, H., Tomlinson, C., Journot, L., Postlethwait, J. H., Braasch, I., Trifonov, V., Warren W. C., Meyer, A. G., Y., Scharl, M. 2020. The sterlet sturgeon genome sequence and the mechanisms of segmental rediploidization. *Nature Ecology & Evolution* 4(2020), 6: 841-852.
 17. Escher B, Ahlheim J, Böhme A, Borchardt D, Brack W, Braun G, Colbourne JK, Dann JP, Gessner J, Jahnke A, König M, Klüver N, Krauss M, Lee J, Li X, Lips S, Orsini L, Rinke K, Schmitt-Jansen M, Scholz S, Schulze T, Spahr S, Ulrich N, Weitere M, Varga E (2024) Mixtures of organic micropollutants exacerbated the in vitro neurotoxicity of prymnesins and contributed to aquatic toxicity during a toxic algal bloom. *Nature Water*, doi: 10.1038/s44221-024-00297-4
 18. Ferreira-Rodriguez, N., Gessner, J., Pardo, I. 2016. Assessing the potential of the European Atlantic sturgeon *Acipenser sturio* to bivalve invasions in Europe. *J. Fish. Biol.*
 19. Friedrich, F., Kapusta, A., Ebert, M., Duda, A, Gessner, J. 2008. Migratory Behavior of Young Sturgeon, *Acipenser oxyrinchus* Mitchill, in the Oder River Drainage. Preliminary Results of a Radio Telemetric Study in the Drawa River, Poland. *Arch. Pol. Fish.* 16(2): 105 – 117.
 20. Friedrich, T., Reinartz, R., Gessner, J. 2019. Sturgeon re-introduction in the upper and middle Danube River basin. *Journal of Applied Ichthyology*. – 35(5): 1059-1068.
 21. Gessner, J. 2000. Restoration programmes for *Acipenser sturio* in Europe. In: Elvira, B. et al. (Eds). Proceedings of the 1st Symposium on Conservation of the Atlantic Sturgeon *Acipenser sturio* in Europe, 6-11 September, 1999, Madrid & Sevilla, Spain. *Bol. Inst. Esp. Oceanogr.* 16(4): 117-126.
 22. Gessner, J. , Acolas, M.L. 2019. Shortnose Sturgeon, *Acipenser brevirostrum*. Pp. 82 -86. In: Karen Wilson, Lari Veneranta (eds), *Data Limited Diadromous Species – review of European*

- status. ICES Cooperative Research Report No. XXX. XX pp.
<https://doi.org/10.17895/ices.pub.XXXX>, ICES Copenhagen, Denmark, 269pp.
23. Gessner, J., Acolas, M.-L., Bronzi, P. 2019. Adriatic sturgeon *Acipenser naccarii*. Pp.: 86 – 88. In: Karen Wilson, Lari Veneranta (eds), Data Limited Diadromous Species – review of European status. ICES Cooperative Research Report No. XXX. XX pp.
<https://doi.org/10.17895/ices.pub.XXXX>, ICES Copenhagen, Denmark, 269pp.
24. Gessner, J., Acolas, M.-L. 2019. Baltic Sturgeon *Acipenser oxyrinchus*. Pp. 88 – 94. In: Karen Wilson, Lari Veneranta (eds). Data Limited Diadromous Species – review of European status. ICES Cooperative Research Report No. XXX. XX pp.
<https://doi.org/10.17895/ices.pub.XXXX>, ICES Copenhagen, Denmark, 269pp.
25. Gessner, J.; Arndt, G.M. 2006. Modification of gill nets to minimize by-catch of sturgeons. J. Appl. Ichthyol. 22(Suppl. 1): 166-171.
26. Gessner, J., Arndt, G.M. 2003. Der Stör – ein Beispiel für die besondere Gefährdung von Wanderfischarten. In: Fische und Fischerei in Nord- und Ostsee. Meer und Museum 17: 167-175.
27. Gessner, J., Arndt, G.M., Anders, E. und Kirschbaum, F. 2004. Perspektive für die Wiedereinbürgerung der Atlantischen Störe (*Acipenser sturio* und *A. oxyrinchus*) in Nord- und Ostsee. Handbuch f. Angew. Limnologie, 19. Erg. Lief. VI-3.6 : 3-14.
28. Gessner, J., Arndt, G.M., Anders, E. und Kirschbaum, F. 2004. Perspektive der Wiedereinbürgerung der Atlantischen Störe in Nord- und Ostsee. Mitteilungen des Bundesamtes für Seeschifffahrt und Hydrologie. 139-151
29. Gessner, J., Arndt, G.M., Anders, E. und Kirschbaum, F. 2004. Perspektive für die Wiedereinbürgerung der Atlantischen Störe (*Acipenser sturio* und *A. oxyrinchus*) in Nord- und Ostsee. Handbuch f. Angew. Limnologie, 19. Erg. Lief. VI-3.6 : 3-14.
30. Gessner, G., Arndt, G.M., Fredrich, F., Ludwig, A., Kirschbaum, F., Bartel, R., von Nordheim, H. 2011. Remediation of Atlantic Sturgeon *Acipenser oxyrinchus* in the Oder River: Background and First Results. Pp. 539-560. In: Williot, P., Rochard, E., Desse-Berset, N., Kirschbaum, F., Gessner, J. Biology and Conservation of the European Sturgeon *Acipenser sturio* L. 1758 Springer, Heidelberg, Dordrecht, London, 663p.
31. Gessner, J.; Arndt, G.M.; Ludwig, A.N.; Kirschbaum, F. 2007. Remediation of Atlantic sturgeon *Acipenser oxyrinchus* in the Baltic Sea - Background, Status, and Perspectives. American Fisheries Symposium 56: 301-317.
32. Gessner, J.; Arndt G. M.; Tiedemann, R.; Bartel, R.; Kirschbaum, F. 2006. A new perspective for the remediation of Baltic sturgeon. J. Appl. Ichthyol. 22(Suppl. 1): 23-31.

33. Gessner, J., Bartel, R. 2000. Is there still suitable habitat for sturgeons in the Odra River tributary? In: Elvira, B. et al. (Eds). Proceedings of the 1st Symposium on Conservation of the Atlantic Sturgeon *Acipenser sturio* in Europe, 6-11 September, 1999, Madrid & Sevilla, Spain. Bol. Inst. Esp. Oceanogr. 16(4): 127-139.
34. Gessner, J., Chevre, P., Rochard, E. 2011. Remediation of the European Atlantic sturgeon (*Acipenser sturio*). pp. 137-148. In: von Nordheim, H., Krause, J.C., Maschner, K. (Eds). Snd. International Conference on Progress in marine Conservation in Europe 2009. BfN Skripten 287: 247p.
35. Gessner, J., Debus, L., Filipiak, J., Spratte, S., Skora, K.E., Arndt, G.-M. 1999. Catches of sturgeons in German and adjacent waters since 1980. Journal of Applied Ichthyology 15(4): 136-142
36. Gessner, J., Fredrich, F., Arndt, G.-M., v. Nordheim, H. (2010). Arterhaltung und Wiedereinbürgerungsversuche für die Atlantischen Störe (*Acipenser sturio* und *A. oxyrinchus*) im Nord- und Ostsee-einzugsgebiet [Conservation and remediation attempts for the Atlantic sturgeons in the North- and Baltic Sea tributaries]. Natur und Landschaft 85(6) 514-519.
37. Gessner, J., Fredrich, F., Williot, P., Kirschbaum, F. (2010) Preparatory Measures and Initial Release as a prerequisite for the remediation of the European Sturgeon, *Acipenser sturio*, in Germany. Bull Fish Biol. 11: 21-36.
38. Gessner, J., Friedrich, T., Rosenthal, H. 2019. Summary report on the major topics addressed at ISS 8 (8th International Symposium on Sturgeons). Journal of Applied Ichthyology 35(1): 1-7.
39. Gessner, J., Friedrich, T. 2018. A sturgeon Identification Guide for Georgia. WWF Caucasian Programme, Tblisi, 44p.
40. Gessner, J., Horvath, A., Arndt, G.M., Urbány, B., Anders, E., Hegyi, A., Wuertz, S. 2008. Intercontinental air transport of adult *A. oxyrinchus* - impact assessment of transport conditions and pressure changes on blood parameters. J. Appl. Ichthyol.
41. Gessner, J., Jaric, I. 2013. A life-stage population model of the European sturgeon (*Acipenser sturio*). Part II: Assessment of the historic population decline in the Elbe River. J. Appl. Ichthyol. 2013 (6): 683-697.
42. Gessner, J., Jaric, I., Rochard, E., Pourkazemi, M. 2013. Sturgeon and paddlefish research focuses on low risk species and largely disregards endangered species. Endangered Species Research:
43. Gessner, J., Kamerichs, C.M. submitted. Early life history traits of Atlantic sturgeon (*Acipenser oxyrinchus oxyrinchus* Mitchell, 1814) and effects of temperature on ontogenesis. J. Appl. Ichthyol.

44. Gessner, J., Kamerichs, C.M., Kloas, W., Würtz, S. 2009. Behavioural and physiological responses in early life phases of Atlantic sturgeon (*A. oxyrinchus*) towards different substrates. *J. Appl. Ichthyol.* 25 (Suppl. 2), 83–90.
45. Gessner, J., Ritterhoff, J. (Editors) 2004. Species Differentiation and Population Identification in the Sturgeons *A. sturio* and *A. oxyrinchus*. BfN-Skripten 101, 122 pp.
46. Gessner, J., Schütz, W. (2011) Wiedereinbürgerung des Störs in der Oste – Strategien und erste Ergebnisse. *Wasser und Abfall* 13(1-2): 17-21.
47. Gessner*, J., Spratte, S., Arndt, G.-M., Tautenhahn, M., Nordheim, H. v. (2011): Development of a national Action Plan for the restoration of the European sturgeon - implementing international commitments on a national scale. *Journal of Applied Ichthyology*, 27, 155-163.
48. Gessner, J., Spratte, S., Kirschbaum, F. 2011. Historic Overview on the Status of the European Sturgeon (*Acipenser sturio*) and Its Fishery in the North Sea and Its Tributaries with a Focus on German Waters. Pp. In: Williot, P., Rochard, E., Desse-Berset, N., Kirschbaum, F., Gessner, J. *Biology and Conservation of the European Sturgeon Acipenser sturio* L. 1758 Springer, Heidelberg, Dordrecht, London, 663p.
49. Gessner, J., Van Eenennaam, J. P. Doroshov, S. J. 2007. North American green and European Atlantic sturgeon: comparisons of life histories and human impacts. *Env. Biol. Fish.* 79, 3-4, 397-411.
50. Gessner, J., Wirth, M., Kirschbaum, F., Patriche, N. 2002. Processing techniques for caviar and their effect on product composition. *Intern. Rev. Hydrobiol.*, 87, 5-6, 645-650.
51. Gessner, J., Wirth, M., Kirschbaum, F., Krüger, A., Patriche, N. 2002. Caviar composition, the influence of food sources and husbandry practice. *J. Appl. Ichthyol.*, 18, 665-672.
52. Gessner, J., Würtz, S., Kirschbaum, F., Wirth, M. 2008. Biochemical composition of caviar as a tool to discriminate between aquaculture and wild origin. *J. Appl. Ichthyol.* 24, Suppl.1, 52-56.
53. Guselnikov, S.V., Baranov, K.O., Najakshin A.N., Mechetina L.V., Chikaev, N.A., Makunin, A.I., Kulemzin, S.V., Andreyushkova, D.A, Stöck, M, Wuertz, S., Gessner, J, Warren, W., Schartl, M., Trifonov, V.A., Taranin, A.V., 2018. Diversity of immunoglobulin light chain genes in non-Teleost ray-Finned Fish Uncovers igl subdivision into Five ancient isotypes. *Frontiers in Immunology* 9 | Article 1079, doi: 10.3389/fimmu.2018.01079
54. Haxton, T., Gessner, J., Friedrich, T. 2024. A review of the assessment techniques used for population monitoring at different life stages of sturgeons. *Environ.Rev.* 00: 1–23 (2024) | [dx.doi.org/10.1139/er-2023-0026](https://doi.org/10.1139/er-2023-0026) 1

55. He, F., Svenning, J.C., Chen, X., Tockner, K., Kuemmerle, T., le Roux, E., Moleón, M., Gessner, J., Jähnig, S.C. 2024. Freshwater megafauna shape ecosystems and facilitate restoration. *Biol Rev.* <https://doi.org/10.1111/brv.13062>
56. Heße, E., Gessner, J., Siebert, U., Gilles, A. 2024. First record of a Critically Endangered species, European sturgeon, in the stomach of harbor porpoises from the North Sea-
ENDANGERED SPECIES RESEARCH. 54: 239–244. <https://doi.org/10.3354/esr01342>
57. Hensel, E., Kirschbaum, F., Gessner, J., Williot, P., Wirth, M. 2002. Restoration of *Acipenser sturio* L., 1758 in Germany: Effect of different food items on specific growth rates of large juvenile fish. *Internat. Rev. Hydrobiol.*, 87, 5-6, 539-551.
58. Jarić, I., Bronzi, P., Cvijanović, G., Lenhardt, M., Smederevac-Lalić, M., Gessner, J. 2018. Paddlefish (*Polyodon spathula*) in Europe: An aquaculture species and a potential invader. *J. Appl. Ichthyol.* 34(1): 3-8. DOI: 10.1111/jai.13672.
59. Jarić, I., Courchamp, F., Gessner, J., Roberts, D.L. 2016. Data mining in conservation research using Latin and vernacular species names. *Peer J.* 9677.
60. Jarić, I., Courchamp, F., Gessner, J., Roberts, D.L. 2016. Potentially threatened: a Data Deficient flag for conservation management. *Biodivers Conserv.* 25:1995-2000 DOI 10.1007/s10531-016-1164-0
61. Jarić, I., Correia, R.A., Roberts, D.L., Gessner, J., Meinard, Y., Courchamp, F. 2018. On the overlap between scientific and societal taxonomic attentions — Insights for conservation. *Science of the Total Environment* 648 (2019) 772–778
62. Jarić I., Gessner, J. 2012. Analysis of publications on sturgeon research between 1996 and 2010. *Scientometrics* 90:715-735.
63. Jarić, I., Gessner, J. 2013. A life-stage population model of the European sturgeon (*Acipenser sturio*) in the Elbe River. Part I: general model outline and potential applications. *J. Appl. Ichthyol.* 29: 483-493.
64. Jarić, I., Gessner, J., Lenhardt, M. 2013. Sturgeons and shads under exploitation: implications from a life table model meta-analysis. *Journal of Fisheries Management and Ecology*. In press.
65. Jarić, I., Knežević-Jarić, I., Gessner, J. 2013. Global effort allocation in marine mammal research indicates geographical, taxonomic and extinction risk related biases. *Marine Mammal Research*. In press.
66. Jarić, I.; Roberts, D. L.; Gessner, J.; Solow, A. R.; Courchamp, F. 2017. Science responses to IUCN red listing. *PeerJ.* - 5(2017)e4025
67. Jatteau, P., Castlenaud, G., Rochard, E., Gessner, J., Lepage, M. 2011. Tagging European and Atlantic sturgeons in Europe. Pp. 349-356. In: Williot, P., Rochard, E., Desse-Berset, N.,

- Kirschbaum, F., Gessner, J. Biology and Conservation of the European Sturgeon *Acipenser sturio* L. 1758 Springer, Heidelberg, Dordrecht, London, 663p.
68. Kaitetzidou, E.; Ludwig, A; Geßner, J; Sarropouou, E.2017. Expression patterns of Atlantic sturgeon (*Acipenser oxyrinchus*) during embryonic development. G3 : Genes, Genomes, Genetics. - 7(2017)2, S. 533-542
69. Kirschbaum, F., Gessner, J. 2002. Perspectives for the re-introduction of the European sturgeon, *Acipenser sturio* L., in the river Elbe system. Perspektiven der Wiedereinbürgerung des Europäischen Störs, *Acipenser sturio* L., im Einzugsgebiet der Elbe. Zeitschr. Fischkunde, Suppl. 1, 217-232.
70. Kirschbaum, F., Gessner, J. 2000. Re-establishment programme for *Acipenser sturio*: the German approach. In: Elvira, B. et al. (Eds). Proceedings of the 1st Symposium on Conservation of the Atlantic Sturgeon *Acipenser sturio* in Europe, 6-11 September, 1999, Madrid & Sevilla, Spain. Bol. Inst. Esp. Oceanogr. 16(4): 149-156.
71. Kirschbaum, F., Gessner, J., Hensel, E. & Williot, P. 2002. Broodstock management: The case *Acipenser sturio*. Internat. Rev. Hydrobiol., 87, 5-6, 539-551.
72. Kirschbaum, F., Gessner, J., and Williot, P. 2000. Restoration of *Acipenser sturio* in Germany: Growth characteristics of juvenile fish reared under experimental indoor conditions.). Proceedings of the 1st Symposium on Conservation of the Atlantic Sturgeon *Acipenser sturio* in Europe, 6-11 September, 1999, Madrid & Sevilla, Spain. Bol. Inst. Esp. Oceanogr. 16(4): 157-166.
73. Kirschbaum, F., A. Ludwig, E. Hensel, S. Würtz, W. Kloas, P. Williot, R. Tiedemann, G.-M. Arndt, E. Anders, H. von Nordheim, and J. Gessner. 2004. Status of the Project on Protection and Restoration of Atlantic Sturgeon in Germany: background, current situation, and perspectives. Pages 36-53 in J. Gessner and J. Ritterhoff, editors. Species differentiation and population identification in the sturgeons *Acipenser sturio* L. and *Acipenser oxyrinchus*. BfN Skripten 101: 122pp.¹
74. Kirschbaum, F., Williot, P., Fredrich, F., Tiedemann, R., Gessner, J. 2011. Restoration of the European sturgeon *Acipenser sturio* in Germany. Pp.: 309-334. In: Williot, P., Rochard, E., Desse-Berset, N., Kirschbaum, F., Gessner, J. Biology and Conservation of the European Sturgeon *Acipenser sturio* L. 1758 Springer, Heidelberg, Dordrecht, London, 663p.
75. Kirschbaum, F., Würtz, S., Williot, P., Tiedemann, R., Arndt, G. M., Anders, E., Bartel, R., Gessner, J. 2006. Restoration of Atlantic sturgeons, *Acipenser sturio* and *A. oxyrinchus*, in Germany. Wiedereinbürgerung der Atlantischen Störe, *Acipenser sturio* und *A. oxyrinchus*, in Deutschland. Verh. Ichthyol. Ges. 5: 79-93.
-

76. Kirschbaum, F., Würtz, S., Williot, P., Tiedemann, R., Arndt, G. M., Anders, E., Bartel, Krüger, A., R., Gessner, J. 2009. Prerequisites for the Restoration of the European Atlantic Sturgeon, *Acipenser sturio* and the Baltic Sturgeon (*A. oxyrinchus* × *A. sturio*) in Germany. Pp. 385-401 In: R. Carmona et al. (eds.) *Biology, Conservation and Sustainable Development of Sturgeons*, Springer Science + Business Media B.V. Lochet, A., Jatteau, P., *Gessner*, J., Bruch, R. (2011): Chemical mass-marking success and limitations. *Journal of Applied Ichthyology*, 27, 266-272.
77. Köhler, J., Varga, E., Spahr, S., Gessner, J., Stelzer, K., Brandt, G., Mahecha, M.G., Kraemer, G., Pusch, M., Wolter, C., Monaghan, M.T., Stöck, M., Goldhammer, T., 2024. Unpredicted ecosystem response to compound human impacts in a European river. *Sci Rep* **14**, 16445 (2024). <https://doi.org/10.1038/s41598-024-66943-9>
78. Kohlmann, K., Ciorpac, M., Kersten, P., Suci, R., Taflan, E., Tosić, K., Holostenco, K., Geßner, J. 2018. Development and assessment of a multiplex PCR assay for genetic analyses of microsatellite loci in beluga sturgeon, *Huso huso*. *Genetics of Aquatic Organisms* 2: 35-41.
79. Kohlmann, K., Kersten, P., Gessner, J., Onara, D., Tafan, E., Suci, R. 2017. Isolation and characterization of 18 polymorphic microsatellite markers for the critically endangered stellate sturgeon, *Acipenser stellatus*. *European Journal of Wildlife Research*. - 63(5), art. 75
80. Kohlmann, K., Kersten, P., Gessner, J. Onara, D., Taflan, E., Suci, R. 2017. New microsatellite multiplex PCR sets for genetic studies of the sterlet sturgeon, *Acipenser ruthenus*. *Environmental Biotechnology*. – 13(1): 11-17 doi:10.14799/ebms285
81. Kohlmann, K., Kersten, P., Gessner, J., Eroglu, O., Firidin, S., Ciorpac, M., Taflan, E., Suci, R. 2018. Validation of 12 species-specific, tetrasomic microsatellite loci from the Russian sturgeon, *Acipenser gueldenstaedtii*, for genetic broodstock management *Aquaculture International* 26:1365–1376. <https://doi.org/10.1007/s10499-018-0290-y>
82. Heiner Kuhl, Yann Guiguen, Christin Höhne, Eva Kreuz, Kang Du, Christophe Klopp, Céline Lopez-Roques, Elena Santidrian Yebra-Pimentel, Mitica Ciorpac, Jörn Gessner, Daniela Holostenco, Wibke Kleiner, Klaus Kohlmann, Dunja K. Lamatsch, Dmitry Prokopov, Anastasia Bestin, Emmanuel Bonpunt, Bastien Debeuf, Pierrick Haffray, Romain Morvezen, Pierre Patrice, Radu Suci, Ron Dirks, Sven Wuertz, Werner Kloas, Manfred Schartel, Matthias Stöck. 2020. A 180 My-old female-specific genome region in sturgeon reveals the oldest known vertebrate sex determining system with undifferentiated sex chromosomes. *Phil. Trans. B. in press*. Preprint available under: doi: <https://doi.org/10.1101/2020.10.10.334367>
83. Langhans, S.D., Gessner, J., Hermoso, V., Wolter, C. 2017. Coupling systematic planning and expert judgement enhances the efficiency of river restoration. *Science of the Total Environment*. XXX
84. Langhans, S. D., Gessner, J., Wolter, C. 2017. Fließgewässer effizienter renaturieren: neue Planungshilfe optimiert Kosten und Nutzen für Biodiversität. *KW Korrespondenz Wasserwirtschaft*. - 10(3): 151-156

85. Lassalle, G., Crouzet, P., Gessner, J., Rochard, E. 2010. Global warming impacts and conservation responses for the critically endangered European sturgeon. *Biol. Cons.*
86. Lochet, A., Jatteau, P., Gessner, J., Bruch, R. 2011. Chemical mass-marking success and limitations. *Journal of Applied Ichthyology*, 27(2), 444-452.
87. Ludwig, A.L., Gessner, J. 2007. What makes the difference – sea sturgeons on both sides of the Atlantic Ocean. *American Fisheries Society Symposium* 56: 285-300.
88. Ludwig, A., Jahr, J., Congiu, L., Gessner, J., Friedrich, T., Lieckfeldt, L., Peng, Z., Boner, M. 2023. Poaching and illegal trade of Danube sturgeons- *Current Biology* 33, R1163–R1185
89. Ludwig, A., Pitra, C., Congiu, L., Gessner, J., Fickel, J., Fontana, F., Paternello, T., Zane, L. 2003. Conservation implications as indicated by the genetic structure of a critical endangered sturgeon species - the Adriatic sturgeon, *Acipenser naccarii*. *Molecular Conservation* 12(12): 3253-3264.
90. Maschner, K., Gessner, J. 2011. Wiederaufbau ausgestorbener oder gefährdeter Arten in der deutschen Ostsee am Beispiel der Ostseekegelrobbe (*Halichoerus grypus balticus*) und dem Ostseestör (*Acipenser oxyrinchus*). *Natur und Landschaft* 2011 (9/10): 451-457.
91. Panagiotopoulou, H., Marzecki, K., Gawor, J., Kuhl, H., Koper, M., Węgleński, P., Fajkowska M., Szczepkowski, M., Baca, M., Gessner, J., Płecha, M., Rzepkowska M., 2023. Extensive search of genetic sex markers in Siberian (*Acipenser baerii*) and Atlantic (*A. oxyrinchus*) sturgeons. *Aquaculture* 573 (2023) 739517
92. Rosenthal, H., Wei, Q., Chang, J., Bronzi, P., Gessner, J. 2011. Conclusions and recommendations of the 6th International Symposium on Sturgeons (Wuhan, China october 2009). *J. Appl. Ichthyol.* 27(2): 157-161.
93. Santidrián Yebra-Pimentel, E., Reis, B., Gessner, J., Wuertz, S., Dirks, R. P. H. 2020. Temperature training improves transcriptional homeostasis after heat shock in juvenile Atlantic sturgeon (*Acipenser oxyrinchus*) *Fish Physiology and Biochemistry*. 46(2020)5, S. 1653-1664.
94. Sayer CA, Fernando E, Jimenez RR, Macfarlane NBW, Rapacciuolo N, Böhm M, Brooks TM, Contreras-MacBeath T, Cox NA, Harrison NA, Hoffmann M, Jenkins R, Smith KG, Vié JC, Abbott JC, Allen DJ, Allen GR, Barrios V, Boudot JP, Carrizo SF, Charvet P, Clausnitzer V, Congiu L, Crandall KA, Cumberlidge N, Cuttelod A, Dalton J, Daniels AG, De Grave S, De Knijf G, Dijkstra KDB, Dow R, Freyhof J, Garcia N, Gessner, J, Getahun A, Gibson C, Gollock MJ, Grant MI, Groom AER, Hammer MP, Hammerson GA, Hilton-Taylor C, Hodgkinson L, Holland RA, Jabado RW, Bignoli DJ, Kalkman VJ, Karimov B, Kipping J, Kottelat M, Lalèyè PA, Larson HK, Lintermans M, Lozano F, Ludwig A, Lyons TJ, Máiz-Tomé L, Molur S, Ng HH, Numa C, Palmer-Newton AF, Pike C, Pippard HE, Polaz CNM, Pollock CM, Raghavan R, Rand PS, Ravelomanana T, Reis RE, Rigby CL, Scott JA, Skelton PH, Sloat MR, Snoeks J, Stiasny MLJ, Tan HH, Taniguchi Y, Thorstad EB, Tognelli MF, Torres AJ, Torres Y, Tweddle D, Watanabe K, Westrip JRS, Wright EGE, Zhang E, Darwall WRT (2025), One quarter of freshwater fauna threatened with extinction. *Nature*. <https://doi.org/10.1038/s41586-024-08375-z>

95. Shivaramu, S., Espirito-Santo, C., Kaspar, V., Bierbach, D., Gessner J., Rodina, M., Gela, D., Flajshans, M., Wuertz, S. 2019. Critical swimming speed of sterlet (*Acipenser ruthenus*): Does intraspecific hybridization affect swimming performance? *Journal of Applied Ichthyology*. - 35(2019)1, S. 217-225
96. Tiedemann, R., Moll, K., Paulus, K., Scheer, M., Williot, P., Bartel, R., Gessner, J., Kirschbaum, F. 2007. Atlantic sturgeons: American females successful in Europe. *Naturwissenschaften* 94: 213-217.
97. Tockner, K., Gessner, J., Pusch, M., Wolter, C. 2012. Domestizierte Ökosysteme und neuartige Lebensgemeinschaften: Herausforderungen für das Gewässermanagement. Wasserbezogene Anpassungsmaßnahmen an den Landschafts- und Klimawandel, Stuttgart.
98. Williot, P., Rochard, E., Desse-Berset, N., Gessner, J., Kirschbaum, F. 2011. What Is the Future for the European Sturgeon? Pp: 649-662. In: Williot, P., Rochard, E., Desse-Berset, N., Kirschbaum, F., Gessner, J. *Biology and Conservation of the European Sturgeon Acipenser sturio* L. 1758 Springer, Heidelberg, Dordrecht, London, 663p.
99. Williot, P., Rochard, E., Desse-Berset, N., Gessner, J., Kirschbaum F. 2011. Brief Introduction to Sturgeon with a Special Focus on the European Sturgeon, *Acipenser sturio* L. 1758. pp: 3-12. In: Williot, P., Rochard, E., Desse-Berset, N., Kirschbaum, F., Gessner, J. *Biology and Conservation of the European Sturgeon Acipenser sturio* L. 1758 Springer, Heidelberg, Dordrecht, London, 663p.
100. Williot, P., Rouault, T., Brun, R., Gessner, J. 2011. Characteristics of the Reproductive Cycle of Wild *Acipenser sturio*. pp. 165-177. In: Williot, P., Rochard, E., Desse-Berset, N., Kirschbaum, F., Gessner, J. *Biology and Conservation of the European Sturgeon Acipenser sturio* L. 1758 Springer, Heidelberg, Dordrecht, London, 663p.
101. Wirth, M., Kirschbaum, F., Gessner, J., Krüger, A., Patriche, N., Billard, R. 2000. Chemical and biochemical composition of caviar from different sturgeon species and origins. *Nahrung/Food*, 44 (4), 233-237.
102. Wirth, M., Kirschbaum, F., Gessner, J., Williot, P., Patriche, N., Billard, R. 2002. Fatty acid composition in Sturgeon caviar from different species: comparing wild and farmed origins. *Internation. Rev. Hydrobiol.* 87, 5-6, 629-636.
103. Wolter, C., Bernotat, D., Gessner, J., Brüning, A., Lackemann, J., Radinger, J. 2020. Fachplanerische Bewertung der Mortalität von Fischen an Wasserkraftanlagen. *BfN-Skripten*: 561.
- a. Wolter, C., Borchertding, J., Ferreira, T., Freyhof, J., Gessner, J., Gorski, K., Nastase, A., Schomaker, C., Eros, T. 2021. Characterization of European lampreys and fishes by their longitudinal and lateral distribution traits. *Ecological Indicators*. 123 (2021) 107350

104. Wuertz, S., Gessner, J., Hogans, B., Löschau, P., Kirschbaum, F., Kloas, W. 2006. The influence of rearing density as environmental stressor on cortisol response of shortnose sturgeon (*Acipenser brevirostrum*). J. Appl. Ichthyol. 22(Suppl. 1): 269-273.
105. Wuertz, S.; Gessner, J.; Kirschbaum, F.; Kloas, W. 2007. Expression of IGF-I and IGF-I receptor in male and female sterlet, *Acipenser ruthenus* - Evidence for an important role in gonad maturation. Comparative Biochemistry and Physiology A-Molecular & Integrative Physiology 147, 1, 223-230
106. Wuertz, S., Gessner, J., Kirschbaum, F., Kloas, W. 2002. First identification of IGF-I mRNA in the Genus *Acipenser* and its quantification in maturing gonads. Proceedings of the 21st Conference of European Comparative Endocrinologists, Bonn, Germany, 26.-30.08.2002, Monduzzi Editore, 253-257.
107. Wuertz, S., Gröper, B., Gessner, J., Krüger, T., Luckas, B., Krüger, A. 2010. Identification of caviar from increasing global aquaculture production — Dietary capric acid as a labelling tool for CITES implementation in caviar trade. Aquaculture 298(1-2): 51-56.
108. Wuertz, S., Nitsche, A., Gessner, J., Kirschbaum, F., Kloas, W. 2006. IGF-I system and its role in maturing gonads of female sterlet, *Acipenser ruthenus* Linnaeus, 1758. J. Appl. Ichthyol. 22(Suppl. 1): 346-352.
109. Wuertz, S.; Nitsche, A.; Jastroch, M.; Gessner, J.; Klingenspor, M.; Kirschbaum, F.; Kloas, W. 2007. The role of the IGF-I system for vitellogenesis in maturing female sterlet, *Acipenser ruthenus* Linnaeus, 1758. General and Comparative Endocrinology 150, 1, 140-150.
110. Wuertz, S., Reiser, S., Gessner, J., Kirschbaum, F. 2011. Morphological Distinction between juvenile stages of the European sturgeon *Acipenser sturio* and the Atlantic sturgeon *Acipenser oxyrinchus*. Pp: 53-64. In: Williot, P., Rochard, E., Desse-Berset, N., Kirschbaum, F., Gessner, J. Biology and Conservation of the European Sturgeon *Acipenser sturio* L. 1758 Springer, Heidelberg, Dordrecht, London, 663p.

b) non-reviewed Publications

1. Acolas, M.L., Chebanov, M.S., Friedrich, T., Galich, E.V., Crossman, J.A., Van Eenennaam, J.P., Gessner, J. 2024. Assessment of fitness for release. Pp.: 254-275. In: Gessner, J., Crossman, J. A., Van Eenennaam, J. P., Webb, M.A.H., Friedrich, T. (Eds.) 2024. Technical Guideline for EX SITU Conservation Measures in Sturgeons. EC Service Contract (09.0201/2022/885601/SER/D.3) Supporting Conservation and Protection Actions to implement the Pan-European Action Plan for Sturgeons. Publications Office of the European Union, Luxembourg, 308 pp.

2. Acolas, M.L., Friedrich, T., Gessner, J. 2024. Tagging and Marking of fish prior to release. Pp.: 276-290. In: Gessner, J., Crossman, J. A., Van Eenennaam, J. P., Webb, M.A.H., Friedrich, T. (Eds.) 2024. Technical Guideline for EX SITU Conservation Measures in Sturgeons. EC Service Contract (09.0201/2022/885601/SER/D.3) Supporting Conservation and Protection Actions to implement the Pan-European Action Plan for Sturgeons. Publications Office of the European Union, Luxembourg, 308 pp.
3. Arndt, G.-M., Gessner, J. (2005). Aufbau eines Elterntierbestandes als Grundlage für die Wiedereinbürgerung des Störs im Ostseeinzugsgebiet. Jahresheft 2003/2004 des Vereins Fisch und Umwelt Mecklenburg-Vorpommern e.V.9-18. Arndt, G.-M., Gessner, J. (2004). Wiedereinbürgerung des Störs im Ostseeinzugsgebiet – Die transatlantische Verbindung. Jahresheft 2002 des Vereins Fisch und Umwelt Mecklenburg-Vorpommern e.V.5-19.
4. Arndt, G.M., Gessner, J. (2003) Re-establishment of European Atlantic sturgeon (*Acipenser sturio* L.) in the Odra River and its tributaries: Assessment of habitat and fisheries pressure. *Fish stock investigations, legal regulations, underwater charting and artificial structures in Stettin Lagoon and off the Mecklenburg - Vorpommern coast*. Proceeding of a PESCA seminar, 73-86.
5. Arndt, G.M., Gessner, J. (2003). Wiedereinbürgerung des Störs – Die Transatlantische Verbindung. Fisch & Umwelt Jahresheft 2002: 5-19.
6. Arndt, G.M., Gessner, J., Anders, E. (2010) Aktueller Stand und Perspektive für die Wiedereinbürgerung der Störe in Deutschland und Mecklenburg – Vorpommern. Fischerei und Fischmarkt Mecklenburg-Vorpommern 2010(3): 27-37.
7. Arndt G.M., Gessner, J., Spratte, S. (2001). Doch noch Störe in Deutschland? pp. 50-62. In: Der Stör (*Acipenser sturio*) - Fisch des Jahres 2001. Verband Deutscher Sportfischer e.V. 86 pp.
8. Arndt, G.-M., Kühn, C., Gessner, J. 2011. Erste kontrollierte Reproduktion des Baltischen Störs *Acipenser oxyrinchus* in Deutschland. Fischerei und Fischmarkt Mecklenburg-Vorpommern 2011(5): 40-45.
9. Chebanov M., Gessner, J., Crossman, J.A., Galich, E., Chèvre, P., Van Eenennaam, J.P. 2024. *Ex situ* facility concept and design. Pp: 77-102. In: Gessner, J., Crossman, J. A., Van Eenennaam, J. P., Webb, M.A.H., Friedrich, T. (Eds.) 2024. Technical Guideline for EX SITU Conservation Measures in Sturgeons. EC Service Contract (09.0201/2022/885601/SER/D.3) Supporting Conservation and Protection Actions to implement the Pan-European Action Plan for Sturgeons. Publications Office of the European Union, Luxembourg, 308 pp.
10. Congiu, L., Crossman, J.A., Van Eenennaam, J.P., Gessner, J. 2024. Genetic considerations in *ex situ* measures. Pp: 103-115. In: Gessner, J., Crossman, J. A., Van Eenennaam, J. P., Webb, M.A.H., Friedrich, T. (Eds.) 2024. Technical Guideline for EX SITU Conservation Measures in Sturgeons. EC Service Contract (09.0201/2022/885601/SER/D.3) Supporting Conservation and

- Protection Actions to implement the Pan-European Action Plan for Sturgeons. Publications Office of the European Union, Luxembourg, 308 pp.
11. Crossman, J. A., Webb, M.A.H., Friedrich, T., Gessner, J. 2024. Sturgeon biology and life history. Pp. 12-52. In: Gessner, J., Crossman, J. A., Van Eenennaam, J. P., Webb, M.A.H., Friedrich, T. (Eds.) 2024. Technical Guideline for EX SITU Conservation Measures in Sturgeons. EC Service Contract (09.0201/2022/885601/SER/D.3) Supporting Conservation and Protection Actions to implement the Pan-European Action Plan for Sturgeons. Publications Office of the European Union, Luxembourg, 308 pp.
 12. Crossman, J.A., Webb, M.A.H., Friedrich, T., Gessner, J. 2024. Future outlook and important considerations in the success of *ex situ* programs for recovery of sturgeons. Pp.: 304-307. In: Gessner, J., Crossman, J. A., Van Eenennaam, J. P., Webb, M.A.H., Friedrich, T. (Eds.) 2024. Technical Guideline for EX SITU Conservation Measures in Sturgeons. EC Service Contract (09.0201/2022/885601/SER/D.3) Supporting Conservation and Protection Actions to implement the Pan-European Action Plan for Sturgeons. Publications Office of the European Union, Luxembourg, 308 pp.
 13. Crossman, J. A., Webb, M.A.H., Friedrich, T., Gessner, J. 2024. Approaches for incorporating wild sturgeon populations into *ex situ* programs pp- 116-128. In: Gessner, J., Crossman, J. A., Van Eenennaam, J. P., Webb, M.A.H., Friedrich, T. (Eds.) 2024. Technical Guideline for EX SITU Conservation Measures in Sturgeons. EC Service Contract (09.0201/2022/885601/SER/D.3) Supporting Conservation and Protection Actions to implement the Pan-European Action Plan for Sturgeons. Publications Office of the European Union, Luxembourg, 308 pp.
 14. Diekmann, M., Gessner, J., Ludwig, A. (2005) Weltweiter Rückgang der Aalbestände. Fischer & Teichwirt 11/2005: 406-408
 15. Elvira, B., Gessner J. (1996). Letters to the Editor: The Society to Save the Sturgeon *Acipenser sturio*. The Sturgeon Quarterly, 4 (1/2): 7
 16. Friedrich, T. Crossman, J. A., Webb, M.A.H., Van Eenennaam, J. P., Gessner, J., 2024. Capture, Handling, Sampling and Fish Welfare. Pp. 53-76. In: Gessner, J., Crossman, J. A., Van Eenennaam, J. P., Webb, M.A.H., Friedrich, T. (Eds.) 2024. Technical Guideline for EX SITU Conservation Measures in Sturgeons. EC Service Contract (09.0201/2022/885601/SER/D.3) Supporting Conservation and Protection Actions to implement the Pan-European Action Plan for Sturgeons. Publications Office of the European Union, Luxembourg, 308 pp.
 17. Friedrich, T., Gessner, J., Chèvre, P., Crossman, J.A., Van Eenennaam, J.P., Galich, E.V., Chebanov, M.S. 2024. Rearing of larvae, fry, fingerlings, and juveniles for release. PP: 198-217. In: Gessner, J., Crossman, J. A., Van Eenennaam, J. P., Webb, M.A.H., Friedrich, T. (Eds.) 2024. Technical Guideline for EX SITU Conservation Measures in Sturgeons. EC Service Contract (09.0201/2022/885601/SER/D.3) Supporting Conservation and Protection Actions to implement the Pan-European Action Plan for Sturgeons. Publications Office of the European Union, Luxembourg, 308 pp.

18. Gessner, J. (2015): Oderausbau 2015 – “Odra 2006“ mit anderen Mitteln. Märkischer Fischer & Angler 12: 22-24.
19. Gessner, J. 2013. The Global Situation of Sturgeons and Resulting Lessons for the Danube. Danube News 15(28):2-6.
20. Gessner, J. 2013. Die Wiedereinbürgerung des Störs und die Erhaltung der Art *A. sturio* in unseren Gewässern. VDA aktuell 37/2014: 21-24.
21. Gessner, J. 2013. Fischerei im Wandel - Artenschutz als Chance. Märkischer Fischer 1/2014: 41-42.
22. Gessner, J. 2012. Anthropogenic impacts on Asian sturgeon populations. 5th Fisch Base Conference Proceedings, Stockholm, Sweden. 48-53.
23. Gessner, J. 2012. Der Stör - ein lebendes Fossil, bald wieder in unseren Gewässern? Natur & Mensch, 11: 125-130
24. Gessner, J. 2009. Prerequisites for the remediation of the indigenous sturgeons *Acipenser sturio* Linnaeus 1758 and *A. oxyrinchus* Mitchill 1815 in river systems of northern Germany – development of methods and contributions towards scientific criteria and concepts for a recovery management plan. dissertation.de – Verlag im Internet GmbH 216pp.
25. Gessner, J. (2009) Gdzie jesiotr może być dobrze? Komunikaty Rybackie 2009 (6): 30-31.
26. Gessner, J. (2005). 10.1 (*) *Acipenser oxyrinchus oxyrinchus* Mitchill, 1815. pp. 205-210. In: Petersen, B., Ellwanger, G., Bless, R., Boye, P., Schröder, E. und A. Ssymank (Bearb.): Das europäische Schutzsystem Natura 2000 Ökologie und Verbreitung von Arten der FFH-Richtlinie in Deutschland. Band 2 Schriftenreihe für Landschaftspflege und Naturschutz 69(2): 693pp.

27. Gessner, J. (1995). Störe dringend gesucht. Fisch & Fang 8: 14
28. Gessner, J., Acolas, M.-L., Crossman, J.A., Friedrich, T., Reinartz, R. 2024. Means of sturgeon conservation and the role of *ex situ* measures. Pp. 12-25. I. In: Gessner, J., Crossman, J. A., Van Eenennaam, J. P., Webb, M.A.H., Friedrich, T. (Eds.) 2024. Technical Guideline for EX SITU Conservation Measures in Sturgeons. EC Service Contract (09.0201/2022/885601/SER/D.3) Supporting Conservation and Protection Actions to implement the Pan-European Action Plan for Sturgeons. Publications Office of the European Union, Luxembourg, 308 pp.
29. Gessner, J., Arndt G-M., Kapusta, A, Shibarov, S., Gushin, A., Pilinkovskij, A., Povliūnas, J., Medne, R., Purvina, S. , Tambets, M., Rask-Möller, P. 2019. HELCOM-Action Plan for the protection and recovery of Baltic sturgeon *Acipenser oxyrinchus*: action plan for the period of 2019 – 2029. Baltic Marine Environment Protection Commission, 94 S.
30. Geßner, J.; Arndt, G.M. (2017) Augen auf für den Stör!: Urzeitfische brauchen die Unterstützung der Fischer und Angler. Rute & Rolle. 2017(11): 81
31. Geßner, J.; Arndt, G.M. (2017) Augen auf - Störe brauchen die Unterstützung der Fischer und Angler. Fischwaid. 2017(2): 22
32. Gessner, J., Arndt, G.M. (2003). Der Stör – ein Beispiel für die besondere Gefährdung von Wanderfischarten. In: Fische und Fischerei in Nord- und Ostsee. Meer und Museum 17: 167-175.
33. Gessner, J., Arndt, G.M., Anders, E. und Kirschbaum, F. (2004) Perspektive der Wiedereinbürgerung der Atlantischen Störe in Nord- und Ostsee. Mitteilungen des Bundesamtes für Seeschifffahrt und Hydrologie. 139-151
34. Gessner, J., Arndt, G.-M., Anders, E., Kirschbaum, F., Bartel, R., Zdanowski, B. (2008) Sturgeon remediation in the Baltic Sea.pp. 45-56. In: Rosenthal, Bronzi, Spezia, M., Poggioloi, C. Passages for Fish – overcoming barriers for large migratory fish. WSCS Special Publication No. 2 ISBN 978-3-8370-6142-0
35. Gessner, J., Arndt, G.M., Kirschbaum, F., Anders, E., Ritterhoff, J., v. Nordheim, H. (2005) Wiedereinbürgerung der Störe (*A.cipenser sturio* L. 1758, und *A. oxyrinchus*, Mitchill, 1844) in Deutschland – aktueller Status. BfN Skripten 140: 150pp.
36. Gessner J., Chèvre, P., Rochard, E. (2011) Remediation of the European Atlantic sturgeon *Acipenser sturio*. Pp. 137-146. In: von Nordheim, H., Krause, J.C., Maschner K. (Eds.) Proceedings of the Symposium Progress in Marine Conservation in Europe 2009 Stralsund, Germany, 2nd - 6th November 2009, BfN-Skripten 287: 247pp.
37. Gessner, J., Crossman, J. A., Van Eenennaam, J. P., Webb, M.A.H., Friedrich, T. (Eds.) 2024. Technical Guideline for EX SITU Conservation Measures in Sturgeons. EC Service Contract

- (09.0201/2022/885601/SER/D.3) Supporting Conservation and Protection Actions to implement the Pan-European Action Plan for Sturgeons.
38. Publications Office of the European Union, Luxembourg, 308 pp.
 39. Gessner, J., Crossman, J. A., Van Eenennaam, J. P., Webb, M.A.H., Friedrich, T. 2024. Executive Summary. Pp: 5-7. In: Gessner, J., Crossman, J. A., Van Eenennaam, J. P., Webb, M.A.H., Friedrich, T. (Eds.) 2024. Technical Guideline for EX SITU Conservation Measures in Sturgeons. EC Service Contract (09.0201/2022/885601/SER/D.3) Supporting Conservation and Protection Actions to implement the Pan-European Action Plan for Sturgeons. Publications Office of the European Union, Luxembourg, 308 pp.
 40. Gessner, J., Crossman, J.A., Friedrich, T., Striebel-Greiter, B. 2024. [Introduction](#). Pp. 8-11. In: Gessner, J., Crossman, J. A., Van Eenennaam, J. P., Webb, M.A.H., Friedrich, T. (Eds.) 2024. Technical Guideline for EX SITU Conservation Measures in Sturgeons. EC Service Contract (09.0201/2022/885601/SER/D.3) Supporting Conservation and Protection Actions to implement the Pan-European Action Plan for Sturgeons. Publications Office of the European Union, Luxembourg, 308 pp.
 41. Gessner, J., Debus, L. 2001. Der Stör – Historische Bedeutung und Ursachen für den Niedergang der Art. pp. 17-29. In: Der Stör (*Acipenser sturio*) - Fisch des Jahres 2001. Verband Deutscher Sportfischer e.V. 86 pp.
 42. Gessner, J., Fredrich, F., Arndt G.-M., (2011) Arterhaltung und Wiedereinbürgerung der heimischen Störe (*Acipenser sturio* und *Acipenser oxyrinchus*) im Nord- und Ostsee-einzugsgebiet In Schreckenbach, K. (Ed) Fischartenschutz in Deutschland, Verband Deutscher Sportfischer Vol. 33, 16pp
 43. Gessner, J., Fredrich, F., Midgalska, B., Domagala, J., Bartel, R. (2009). Untersuchungen zu Wanderbewegungen juveniler Störe (*A. oxyrinchus*) im Oder- (Odra-) Einzugsgebiet. Nationalpark Jahrbuch 2008, Nationalparkstiftung Unteres Odertal, Criewen, 46-58. ISBN 978-3-9810032-5-3; 46-57.
 44. Gessner, J., Friedrich, T., Haxton, T., Guchmanidze, A., Japoshvili, B., and Edisherashvili, T. (2023) Sturgeon Monitoring Programme, Georgia. WWF Caucasus Programme Office, Tbilisi, 105pp.
 45. Gessner, J., Hein, T., Friedrich, T. 2019. Flagship species of the Danube - will there be sturgeons in the future? Danube Watch. - (2019)1: 10-11.
 46. Gessner, J., Kirschbaum, F. 2005. Die Rückkehr der Störe – Wanderfische rücken in den Fokus der Umweltpolitik. Naturmagazin 2005
 47. Gessner, J., Ludwig, A., Diekmann, M. (2006): Störe: Implikationen für Schutz und Management. Fischer und Teichwirt 2/2006:63-64
 48. Gessner, J., Ritterhoff, J. (Editors) 2004. Species Differentiation and Population Identification in

- the Sturgeons *A. sturio* and *A. oxyrinchus*. BfN-Skripten 101, 122 pp.
49. Gessner, J. Rochard, E. 2008. The conservation of European sturgeon – collaboration as a prerequisite for success. *Visionär* 3(10): 21-23.
 50. Gessner, J., Spratte, S., Kirschbaum, F. (2009). Störe für die Stör – Wem hilft ein lebendes Fossil? *Steinburger Jahrbuch* 2010 247-274.
 51. Gessner, J., Striebel-Greiter, B. (Eds.) 2024. Review of Bycatch Prevention and Mitigation Measures for sturgeons. EC Service Contract (09.0201/2022/885601/SER/D.3) Supporting Conservation and Protection Actions to implement the Pan-European Action Plan for Sturgeons. Publications Office of the European Union, Luxembourg, 59pp.
 52. Gessner, J., Tautenhahn, M., Borchers, T., v. Nordheim, H. 2010. Nationaler Aktionsplan zum Schutz und zur Erhaltung des Europäischen Störs (*Acipenser sturio*). Bundesministerium für Umwelt, Naturschutz und Reaktorsicherheit und Bundesamt für Naturschutz Special Publication. 83pp.
 53. Gessner J., v. Nordheim H., 1998. Die Wiedereinbürgerung des gemeinen Störs (*Acipenser sturio* L.) in der Oder benötigt die bilaterale Kooperation in Forschung und Fischereimanagement. Ergebnisse des deutsch-polnischen Seminars zur fischereilichen Bewirtschaftung des Stettiner Haffs und der pommerschen Bucht. Rostock, 8-10.12.1997: 16-18. (In German and Polish)
 54. Gessner, J., Wirth, M., Anders, E., Arndt, G.M., Würtz, S., Kirschbaum, F. 2003. Störaufzucht und Kaviarproduktion – wirtschaftlicher Stand und Perspektiven. *Fischer und Teichwirt*, 12/2003: 449-453.
 55. Hochleithner, M., Gessner, J., 1999. The sturgeons and paddlefishes (*Acipenseriformes*) of the world, their biology and aquaculture. Aqua Tech Publications, 206pp. ISBN 3-9500968-0-9
 56. Hochleithner M., Gessner J., Podushka S. 2001. The Bibliography of *Acipenseriformes*. AquaTech Publishing, Kitzbuehel, Austria. 600 pp.
 57. Kirschbaum, F., Fredrich, F., Williot, P., Gessner, J. (2009) Wiedereinbürgerung des Europäischen Störs, *Acipenser sturio*, in Deutschland – Vorbereitende Maßnahmen und erster Besatz. *NATURSCHUTZ UND LANDSCHAFTSPFLEGE IN BRANDENBURG* 18 (3) 76-82
 58. Kirschbaum, F., Gessner, J., 2001. Zur Biologie der Störe. pp. 7-14. In: *Der Stör (Acipenser sturio)* - Fisch des Jahres 2001. Verband Deutscher Sportfischer e.V. 86 pp.
 59. Kirschbaum, F., Gessner, J., Williot, P. 1998. Growth performance of *A. sturio* reared under experimental aquaculture conditions. In: Balcabasa-Dobrovici, (Ed.) *Proceedings of the symposium Aquarom 98*, Galati, June, 1998
 60. Kirschbaum, F., Ludwig, A., Hensel, E., Würtz, S., Kloas, W., Williot, P., Tiedemann, R., Gessner, J. (2002) Status of the projection and restoration of Atlantic sturgeon in Germany:

background, actual situation, and perspectives. International workshop on species differentiation and population identification in the common sturgeon *Acipenser sturio* L. Bundesamt für Naturschutz (BfN), Blossin, Germany, 27.-28.06.2002.

61. Neuburg, J., Acolas, M.-L., Friedrich, T., Gessner, J., Haxton, T.J. 2024. Technical Guideline for Sturgeon Population Monitoring. EC Service Contract (09.0201/2022/885601/SER/D.3) Supporting Conservation and Protection Actions to implement the Pan-European Action Plan for Sturgeons. Publications Office of the European Union, Luxembourg, 124pp.
- Rosenthal, H., Gessner, J. Moreau, D., Rochard, E. 2008. Action Plan for the conservation of the European sturgeon. Council of Europe Publishing. Nature and environment 152: 125pp.
62. Rosenthal, H., Gessner, J. 1993. Activity patterns of white sturgeon under aquaculture conditions. ICES Mariculture Committee, 7pp.
63. Rosenthal, H., Gessner, J. (1990) Activity patterns of white sturgeon under aquaculture conditions. Helgol. Meeresforsch. 90: 23-25
64. Rosenthal, H., Gessner, J. 1990. Ist die Einfuhr von *A. transmontanus* wirklich ohne Risiko? (Is the import of *A. transmontanus* without risk indeed?) Fischer und Teichwirt 90(4): 226-229
65. Rosenthal, H., Gessner, J. (1990) Status and Prospects of Sturgeon Farming in Europe. In: Rosenthal, H., Grimaldi, E. (Eds.) Efficiency in Aquaculture Production, Proc. 5th International Conference Aquafarming Acquacoltura 90, Verona, Italy, October 12-13, 1990, 143-188
66. Spasic, S.; Jaric', I. ;Navodaru, I.; Visnjic' Jeftic', Z.; Gessner, J.; Lenhardt, M. (2012). Life table model of the Pontic shad (*Alosa immaculata* Bennet, 1835) from the Danube River and the Black Sea. IAD Proceedings 2012: 47-52.
67. Tautenhahn M; Gessner J (2009) Die Rückkehr des Ostseestörs. Angermünder Heimatkalender 2010, Verlag für Heimatkunde e.V.: 213-218
68. Van Eenennaam, J.P., Webb, M.A.H., Chebanov, M.S., Galich, E.V., Chèvre, P., Gessner, J. 2024. Broodstock Management and Selection. Pp.: 129-172. In: Gessner, J., Crossman, J. A., Van Eenennaam, J. P., Webb, M.A.H., Friedrich, T. (Eds.) 2024. Technical Guideline for EX SITU Conservation Measures in Sturgeons. EC Service Contract (09.0201/2022/885601/SER/D.3) Supporting Conservation and Protection Actions to implement the Pan-European Action Plan for Sturgeons. Publications Office of the European Union, Luxembourg, 308 pp.
69. Venohr, Markus; Lewandowski, Jörg; Kloas, Werner; Grossart, Hans-Peter; Gessner, Mark O.; Wolter, Christian; Geßner, Jörn; Wuertz, Sven. (2017) Schutz und Nutzung von Binnengewässern in Deutschland - Status Quo, Konflikte und politische Handlungsoptionen: IGB Policy Brief zur Bundestagswahl 2017. IGB Policy Brief
70. v. Nordheim, H., Gessner, J. 2013. Wiederansiedlung des Ostseestörs. Meer und Küste 2013(3):34.

71. v. Nordheim, H., Gessner, J., Kirschbaum, F., Anders, E., Arndt, G.M. (2001) Das Wiedereinbürgerungs-programm für *A. sturio* – Hintergründe und Konzeption. pp. 30-49. In: Der Stör (*Acipenser sturio*) - Fisch des Jahres 2001. Verband Deutscher Sportfischer e.V. 86 pp.
72. Wirth, M., Kirschbaum, F., Gessner, J., Krüger, A. and R. Billard. (1999) Composition of caviar from different sturgeon species and origins. In: Kinzelbach, R. (Ed.) Proceedings of the CAVILM workshop on the effects of international trade on sturgeon stocks, Vilm/Rügen 16-18.11.1998. Schriftenreihe Naturschutz des Bundesministeriums für Umwelt und Reaktorsicherheit
73. Wirth, M., Kirschbaum, F., Gessner, J., Krüger, A. and R. Billard. (1998) Composition of caviar from different sturgeon species and origins. In: Balcabasa-Dobrovoci, (Ed.) Proceedings of the symposium Aquarom 98, Galati, June X-Y, 1998.

e) Books

1. Gessner, J. 2005. 10.1 (*)*Acipenser oxyrinchus oxyrinchus* Mitchill, 1815. pp. 205-210. In: Petersen, B., Ellwanger, G., Bless, R., Boye, P., Schröder, E. und A. Ssymank (Bearb.): Das europäische Schutzsystem Natura 2000 Ökologie und Verbreitung von Arten der FFH-Richtlinie in Deutschland. Band 2 Schriftenreihe für Landschaftspflege und Naturschutz 69(2): 693pp.
2. Gessner, J., Ritterhoff, J. (Editors) 2004. Species Differentiation and Population Identification in the Sturgeons *A. sturio* and *A. oxyrinchus*. BfN-Skripten 101, 122 pp.
3. Hochleithner, M., Gessner, J., 1999. The sturgeons and paddlefishes (*Acipenseriformes*) of the world, their biology and aquaculture. Aqua Tech Publications, 206pp. ISBN 3-9500968-0-9
4. Hochleithner M., Gessner J., Podushka S. 2001. The Bibliography of *Acipenseriformes*. AquaTech Publishing, Kitzbuehel, Austria. 600 pp.
5. Williot, P., Rochard, E., Desse-Berset, N., Kirschbaum, F., Gessner, J. (2011) Biology and Conservation of the European Sturgeon *Acipenser sturio* L. 1758 Springer, Heidelberg, Dordrecht, London, 663p

6. Hochleithner, M., Gessner, J., 2012. The sturgeons and paddlefishes (Acipenseriformes) of the world, their biology and aquaculture 3rd revised edition. Aqua Tech Publications, 248pp. ISBN 3-9500968-0-9
7. Hochleithner M., Gessner J., Podushka S., Pourkazemi M., Wei Q., 2012. The Bibliography of Acipenseriformes 2001 -2010. AquaTech Publishing, Kitzbuehel, Austria. 280 pp
8. Gessner, J, Arndt, G.-M. 2014 Fisch des Jahres European sturgeon Acipenser sturio . DAFV Publication 96pp.