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Publications

Mandal R. N., Das, A., Chattopadhyay, D. N., Hussan, A., Adhikari, S., Paul, B.N., Hoque, F., Chakrabarti, P. P. and Pillai, B. R. 2021. Use of sewage in split doses to enhance water productivity for fish culture. **Aquaculture and Fisheries**, DOI:10.1016/j.aaf.2020.08.008.

Saha, S., Jana, P., Ghosh, T. K., **Mandal, R. N.**, Maiti, S., Karmakar, S., Dey, D., and Boda S. N. 2021. Immunostimulatory potency developed in *Pangasianodon hypophthalmus* against *Aeromonas hydrophila* through *Ocimum sanctum* supplemented diet. **Animal nutrition and feed technology**, 21:135-150.

Ghosh, T. K., Chauhan, Y. H. and **R. N., Mandal**. 2019. Growth performance of *Labeobata* (Hamilton, 1822) in freshwater and its acclimatization in brackish water with betaine as feed additive. **Aquaculture**, 501 (1):128-134.

Hussan, A., Sundaray, J. K., **Mandal, R. N.**, Hoque, F., Das, A., Chakrabarti, P. P. and Adhikari, S. 2019. Invasion of non-indigenous suckermoutharmoured catfish of the genus *Pterygoplichthys* (Loricariidae) in the East Kolkata Wetlands: stakeholders' perception. **Indian J. Fish.**, 66(2): 29-42, DOI: 10.21077/ijf.2019.66.2.86267-05.

Mandal, R. N., P. P. Chakrabarti, B. N. Paul, D. N. Chattopadhyay, A. Das, A. Hussan, and P. Jayasankar, 2018. Recycling of Sewage in Aquaculture: Decadal Technical Advancement. In B. B. Jana, Mandal, R. N., Jayasankar, P. (eds.), *Wastewater Management Through Aquaculture*, Springer Nature Singapore Pte Ltd., pp. 95-118.

Chattopadhyay, D. N., A. Chakraborty, P. K. Ray, **R. N. Mandal**, S. K. Banik, V. R. Suresh, K. Ghosh. 2018. Larval rearing of hilsa shad, *Tenualosa ilisha* (Hamilton 1822). **Aquaculture Research**, 1-8.

Adhikari, S., Chaudhuri A.K., gangadhar B., Rathod, R., **Mandal R. N.**, Ikmail, S., saha, G. S., De, H.K., Shivaraman, I., Mahapatra A.S., sarkar, S., Routrey, P., Bindu, R. Pillai and Sundaray, J.K. 2018. Adaptation and mitigation strategies of climate change impact freshwater aquaculture in some states of India, **Journal of fisheries Science.com**, 12(1): 016-021.

Paul, B.N. P. Singh, S. Bhowmick, **R.N. Mandal**, S. Adhikari, B.K. Pandey, A. Das and P.P. Chakrabarti, 2018. Proximate, Mineral and Fatty Acid Composition of Catla catla reared in Fresh Water and Waste Water Environment. **Indian Journal of Animal Nutrition**, 35 (4): 463-468.

Paul BN, Singh P, Nag S, **Mandal RN**, Chakrabarti PP. 2017. Pesticide residues in Indian major carps reared in wastewater. *Explor Anim Med Res* 7(2): 190-193.

Mandal, R. N., Kar, S., Chattopadhyay, D. N., Maity, J., Chakrabarti, P. P., Paul, B. N. and Jayasankar, P. 2016. Tubifex production using agro-industrial wastes and raw cattle dung. **Journal of applied aquaculture**, 28 (2): 1-7.