

JANE J. MacISAAC

1940 - 1982

COLLECTED SCIENTIFIC CONTRIBUTIONS

Year	Title	Contribution
1964	Anaerobic glycolysis in amphibian development. Homogenates. <u>Biological Bulletin</u> , v. 127 (2) pp. 256-270. (with J.R. Gregg and M.A. Parker.	1
1967	Ammonia determinations by two methods in the north-east equatorial Pacific Ocean. <u>Limnology and Oceanography</u> , v. 12(3), pp. 552-554.	2
1969	The kinetics of nitrate and ammonia uptake by natural populations of marine phytoplankton. <u>Deep-Sea Research</u> , v. 16(1), pp. 45-57 (with R.C. Dugdale).	3
1970	Nitrate reductase in Peru Current phytoplankton. <u>Marine Biology</u> , v. 6(3), pp. 195-199. (with R.W. Eppley and T.T. Packard).	4
1971	An automated extraction procedure for the determination of ammonia in seawater. <u>Investigacion Pesquera</u> , Barcelona, v. 35(1), pp. 221-232 (with R. K. Olund).	5
1971	Variations in phytoplankton growth associated with the source and conditioning of upwelling water. <u>Investigacion Pesquera</u> , Barcelona, v. 35(1), pp. 171-193 (with R.T. Barber, R.C. Dugdale, and R.L. Smith).	6
1971	A computation model for the uptake of nitrate in the Peru upwelling region. <u>Investigacion Pesquera</u> , Barcelona, v. 35(1), pp. 299-308	7
1971	Variations of nitrate reductase activity in marine phytoplankton. <u>Investigacion Pesquera</u> , Barcelona, v. 35(1), pp. 209-220. (with T.T. Packard, D. Blasco, and R.C. Dugdale).	8

Year	Title	Contribution
1972	Interactions of light and inorganic nitrogen in controlling nitrogen uptake in the sea. <u>Deep-Sea Research</u> , v. 19(3), pp. 209-232 (with R.C. Dugdale).	9
1972	Nutrient kinetics of algal populations in two gulfs adjoining the Attic Peninsula, one receiving effluents. <u>Journées d'études sur les pollutions marines</u> (Athens, Greece, 3-4 November, 1972 CIESM Abstracts). pp. 163-166. (with R. C. Dugdale and D. Blasco).	10
1972	Comparisons of two automated ammonium methods in a region of coastal upwelling. <u>Deep-Sea Research</u> , v. 19(7), pp. 521-524. (with G. Slawyk).	11
1974	Nitrogen uptake in the Northwest Africa upwelling area: results from the CINECA-CHARCOT II cruise. <u>Tethys</u> , v. 6(1-2), pp. 69-76. (with R.C. Dugdale and G. Slawyk).	12
1974	Quantitative determination of total organic nitrogen and isotope enrichment in marine phytoplankton. <u>Analytical Biochemistry</u> , v. 6(1), pp. 16-24, (with S.P. Pavlou and G. Friederich).	13
1974	Spin-up of the Baja California upwelling ecosystem. <u>Limnology and Oceanography</u> , v. 19(4), pp. 553-572. (with J. Walsh, J. Kelley, T. Whittedge, and S. Huntsman).	14
1974	A modified tracer technique for the determination of nitrogen uptake by marine phytoplankton. <u>Tethys</u> , v. 6(1-2), pp. 171-178. (with S.P. Pavlou, G.E. Friederich, and R.C. Dugdale).	15
1976	Inorganic nitrogen uptake by marine phytoplankton under <i>in situ</i> and simulated <i>in situ</i> incubation conditions. <u>Limnology and Oceanography</u> , v. 21(1), pp. 149-152. (with G. Slawyk and R.C. Dugdale).	16
1978	Diel cycles of inorganic nitrogen uptake in a natural phytoplankton population dominated by <i>Gonyaulax polyedra</i> . <u>Limnology and Oceanography</u> , v. 23(1), pp. 1-9.	17
1979	Light and nutrient limitation in <i>Gonyaulax excavata</i> : Nitrogen and carbon trace results. IN: D.L. Taylor and H.H. Seliger, (eds.) TOXIC DINOFLAGELLATE BLOOMS Proceedings of the 2nd International Conference on Toxic Dinoflagellate Blooms. October 31 - November 5, 1978, Key Biscayne, Florida. (with G.S. Grunseich, H.E. Glover, and C.M. Yentsch).	18

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1979	The effect of sewage on uptake of inorganic nitrogen and carbon by natural populations of marine phytoplankton. <u>Journal of Marine Research</u> , v. 37(1), pp. 51-66. (with R.C. Dugdale, S.A. Huntsman, and H. Lee Conway).	19
1981	Adaptation of Nutrient Assimilation. IN: T.Platt, (ed.), <u>PHYSIOLOGICAL BASES OF PHYTOPLANKTON ECOLOGY, Canadian Bulletin of Fisheries and Aquatic Sciences</u> , 210, pp. 234-250. (with R.C. Dugdale, B.H. Jones, and J.J. Goering).	20