

# Primary Productivity with Reference to Major Carps Productivity in Govindgarh Lake, Rewa (M.P.)

Arvind Kumar Pathak<sup>1</sup>, I. D. Mishra<sup>1</sup> and Manish Tripathi<sup>2</sup>

Department of Zoology

Shriyut College Gangeo, Rewa, M.P., India<sup>1</sup>

I. C. Vidyasagar College Jawa, Rewa, M.P., India<sup>2</sup>

**Abstract:** To study the history of primary productivity in a lake ecosystem, it is crucial to consult scientific literature, research articles, and long-term monitoring data specific to the lake of interest. Additionally, consulting with environmental experts or local agencies involved in lake management can provide valuable insights into the historical trends and current state of primary productivity in the ecosystem.

Standard deviation of primary productivity parameters gross primary productivity, net primary productivity and respiration value calculated on the basis of monthly variation were 1.19, 0.72 and 0.60 per unit area in the first year. While 1.17, 0.70, 1.61 per unit area respectively during the second year of study period.

**Keywords:** Gross primary productivity, net primary productivity, respiration value etc.

## REFERENCES

- [1]. Garder, T. and Gran H.H. (1927). Production of plankton in Oslo Fjord. Proc. Verb. Cons. Prem. Int. Explor. Mer., 42: 9 – 48.
- [2]. Hujare, M. S. and M. B. Mule (2007): Studies on the primary productivity in the perennial tanks from Kolhapur district (Maharashtra), India. Indian J. Environ. and Ecoplan. 14(3): 683-690.
- [3]. Koli, V. V. and M. M. Ranga (2011): Physicochemical status and Primary Productivity of Ana Sagar Lake, Ajmer (Rajasthan), India. Universal Journal of Environmental Research and Technology, Vol. 1 (3): 286-292.
- [4]. Narasimha, R. K. and G. Banarjee (2014): Primary productivity studies in Nagaram Tank of Warangal District, Andhra Pradesh. International Journal of Scientific Research Vol. 3 (7): 18-22.
- [5]. Sultan, S., Chauhan M. and V. I. Sharma (2003): Physico-chemical status and Primary Productivity of Pahunj reservoir, Uttar Pradesh J. Inland Fish. Soc. India, 35: 73-80.
- [6]. Synudeen, S. S. (2002): Primary productivity studies in some aquatic bodies of Kollam district, Kerala. Uttar Pradesh. J. Zool., 22(3): 247-250.
- [7]. Vaidya, S., R. Dhilipkumar, K. K. Swain, V. M. Prabhakar and A. K. Basu (2007): Factors influencing primary productivity in Panshet and Ujjani Reservoirs, India, Lakes and Reservoirs: Research and Management, Vol. 12. Pp. 203-208.
- [8]. Zutshi, D. P. and A. U. Khan (1988): Eutrophic gradient in Dal lake, Khasmir. Indian J. Environ Health, 30 (4): 348-354