

**Journal of Analysis and Applications**

Vol. 21 (2023), No.1, pp.25-36

ISSN: 0972-5954

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# Several properties of differential equation with $(p, q)$ -Genocchi polynomials

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**Abstract.** We construct several differential equations of which are related to  $(p, q)$ -Genocchi polynomials in this paper. From these differential equation, we also investigate some relations which are related to Genocchi,  $q$ -Genocchi, and  $(p, q)$ -Genocchi polynomials.

**AMS Subject Classification (2020):** 05A19, 11B83, 34A30, 65L99

**Keywords:**  $(P, Q)$ -number,  $(p, q)$ -derivative,  $(p, q)$ -Genocchi polynomials, difference equation

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