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**Sent:** Thursday, April 13, 2023 5:12:30 PM

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**Subject:** Decision on your manuscript:REF:PFDA-23-29

Dear Authors,

It is a great pleasure for me to inform you that your manuscript needs a minor revision.

.Correct the typos and polish the grammar.Add more about the novelties of your manuscripts within the conclusion part.

Sincerely yours,

Dumitru Baleanu

Editor in Chief of PFDA

On Mon, 23 Jan 2023 at 00:05, <[info@naturalspublishing.com](mailto:info@naturalspublishing.com)> wrote:

## 02- Progress in Fractional Differentiation and Applications

**Jackel Vui Lung Chew** has sent the following Article under 02- Progress in Differentiation and Applications

**Title :Fractional Newton Explicit Group Method for Time-Fractional Nonlir Equations**

**Abstract :** This paper presents a fractional Newton explicit group method for fractional nonlinear porous medium equations. The method utilizes implicit schemes with the Caputo time-fractional derivative operator. The paper analyzes the accuracy and efficiency of the proposed method in solving initial boundary value problems for porous medium equations at different orders of time-fractional derivative. The method is experimentally verified by repeatedly using several large systems of equations to test the consistency of the method's performance. The method is also experimentally verified by solving some physics problems, which can show the method's efficacy in solving physical phenomena.

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