

DVV Response to Question No: 2 on Key Indicator 3.4.3

Question: Scanned images of cover page, first page of the paper showing the Author's name and year of publication and page 2 of the journal highlighting the listed papers for the following research papers given in the uploaded document of key indicator 3.4.3 with Sl. no.s 6, 36, 56, 76, 96, 116, 136, 156, 176, attested by the Principal.

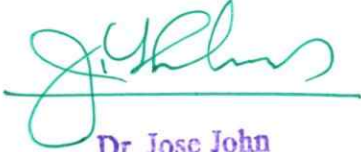
Response:

The scanned images of cover page, first page of the paper showing the Author's name and year of publication and page 2 of the journal highlighting the listed papers papers given in the uploaded document of key indicator 3.4.3 with Sl. no.s 6, 36, 56, 76, 96, 116, 136, 156, 176, attested by the Principal are attached below.

Paper Serial No: 6

Serial Number	6
Title of paper	First new record of two diatoms (<i>Caloneis africana</i> (Giffen) Stidolph and <i>Luticola nivalis</i> (Ehrenberg) D. G. Mann) from South West Coast of India (Cochin backwaters)
Name of the author/s	Geo Joseph, Mannancheril Sebastian Francis
Department of the teacher	Botany
Name of journal	Oceanologia
Year of publication	2019
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Cover Page of the Paper

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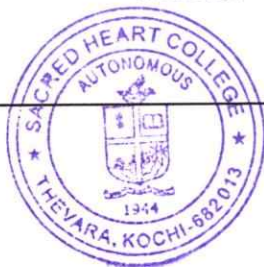
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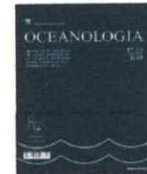
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First Page of the Paper

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SHORT COMMUNICATION

First new record of two diatoms (*Caloneis africana* (Giffen) Stidolph and *Luticola nivalis* (Ehrenberg) D. G. Mann) from South West Coast of India (Cochin backwaters)

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KEYWORDS

South West Coast of
India;
Diatoms;
Caloneis africana;
*Luticola nivalis***Summary** The main objective of this paper is to report two diatoms (*Caloneis africana* (Giffen) Stidolph and *Luticola nivalis* (Ehrenberg) D. G. Mann) from Cochin backwaters, which prove to be a new finding from Indian waters. Surface water samples were collected monthly from twelve stations covering the ecosystem from May 2015 to April 2016. The analysis of physicochemical parameters and the preparation of permanent slides of diatoms were performed based on standard procedures. Descriptions, world distribution and photographs of the two diatoms are included in this paper. These two new species further enrich the diatom floristic diversity of Cochin backwaters in India.© 2019 Institute of Oceanology of the Polish Academy of Sciences. Production and hosting by Elsevier Sp. z o.o. This is an open access article under the CC BY-NC-ND license (<http://creativecommons.org/licenses/by-nc-nd/4.0/>).

Diatoms are the most species-rich group of algae. The number of diatoms has been estimated to include approximately 100,000 species over 1000 genera. Diatoms are widely used in ecological monitoring and paleoecological reconstruction

(Mann, 1999). The net primary production from diatoms is more than that of all the worlds' tropical rainforests (Field et al., 1998). Diatoms produce 20–25% of global oxygen (Smol and Stoermer, 2010). In an aquatic ecosystem, they represent

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Page 2 (Contents Page) of the Journal

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Pages 291-400 (July-September 2019)

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Contents

Original Research Articles

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Editorial Board
Page iii
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Effect of drag coefficient formula choice on wind stress climatology in the North Atlantic and the European Arctic
Iwona Wróbel-Niedźwiecka, Violetta Drozdowska, Jacek Piskozub
Pages 291-299
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"Noise" in climatologically driven ocean models with different grid resolution
Shengquan Tang, Hans von Storch, Xueen Chen, Meng Zhang
Pages 300-307
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Seasonal patterns and environmental drivers of *nirS*- and *nirK*-encoding denitrifiers in sediments of Daya Bay, China
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Imen Turki, Nicolas Massei, Beate Lignel
Pages 321-330
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Pages 321-330

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Elizabeth Durán-Campos, María Adela Monreal-Gómez, David Alberto Salas de León, Erik Coria-Monter
Pages 331-340

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Sabina Solovjova, Aurelija Samuilovienė, Greta Srėbaliėnė, Dan Minchin, Sergej Olenin
Pages 341-349

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Barbara Stachurska, Ryszard Staroszczyk
Pages 350-367

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Short-term variation of zooplankton community in Cintra Bay (Northwest Africa)

Amina Berraho, Hinde Abdelouahab, Tarik Baibai, Said Charib, ... Ahmed Makaoui
Pages 368-383

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Aliaksandr Lisimenka, Adam Kubicki
Pages 384-394

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Geo Joseph, Mannancheril Sebastian Francis
Pages 395-399

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