

CERTIFICATE

***Certificate confirming the publication
of materials in the journal***

Norwegian Journal of development of the International Science №166

Authors: Mammadazada K.

***Topic of the article: OPTIMIZATION OF RULE NUMBER IN A FUZZY DIGITAL TWIN Of A
BIOREACTOR USING CLUSTERING TECHNIQUES***



<https://doi.org/10.5281/zenodo.17352739>

Publishing the electronic copy of the journal is up to 10/19/2025

10/16/2025

Olaf Hansen

Olaf Hansen