

**Information about the official reviewer of the doctoral dissertation, for the award of the degree of Doctor of Philosophy (PhD) in the direction 8D015 - Teacher training in natural sciences (6D011100 - Computer Science)**

№	Full name (if available) (in the state or Russian and English languages)	Degree, academic title	Main place of work	Citizenship	h-index according to the information base Web of Science (Web of Science) or S	Publications in international peer-reviewed scientific journals that are in the first three quartiles according to Journal Citation Reports or have a CiteScore percentile of at least 35 in the Scopus database	Publications in journals from the List of Publications
1	2	3	4	5	6	7	8
1	Tazhigulova Almira Izbasarovna <a href="https://orcid.org/0000-0003-0909-9126">https://orcid.org/0000-0003-0909-9126</a>	Doctor of pedagogical Sciences, associate Professor	National Center of Informatization (TCI)	Citizen of the Republic of Kazakhstan		<p>1. Project-oriented training experience in micro-robot programming in college and its features Experiencia de capacitación orientada a proyectos en la programación de micro-robots en la universidad y sus características//Opcion, 2019, 35(Special Issue 22), pp. 292–307. <a href="https://produccioncientificaluz.org/index.php/opcion/article/view/29446">https://produccioncientificaluz.org/index.php/opcion/article/view/29446</a></p> <p>2. Pedagogical technology of using ebooks in Kazakhstan   Tecnología pedagógica del uso de libros-e en Kazajastán // Revista Espacios. Vol. 40 (Number 12) Year 2019. Page 27. <a href="https://www.revistaespacios.com/a19v40n12/a19v40n12p27.pdf">https://www.revistaespacios.com/a19v40n12/a19v40n12p27.pdf</a></p>	<p>1. Тенденции развития электронных учебников в Казахстане и за рубежом // Вестник КазНУ. Серия «Педагогические науки». № 2 (59). – 2019. – С. 94-110.</p> <p>2. Электрондық оқулықтардың критериялды бағалау мен оқушылардың рефлексиясындағы мүмкіндіктері// Вестник АПН Казахстана - № 3 (89). – 2019. – С.36-42.</p> <p>3. Балаларды мектепке дайындауда компьютерлік ойындардың педагогикалық мүмкіндіктері//Вестник КазНПУ им. Абая, серия педагогическая, № 2 (62).- 2019. –С. 390-396.</p>
2	Nugmanova Salima Avaskanovna <a href="https://orcid.org/0000-0002-8087-9099">https://orcid.org/0000-0002-8087-9099</a>	педагогика ғылымдарының кандидаты	әл-Фараби атындағы Қазақ ұлттық университеті	ҚР азаматы	h=1 Scopus (Скопус)	<p>1. New technology of data transmission: LI-FI // ARPN Journal of Engineering and Applied Sciences. - 2020, 15(24). - P. 3001–3005;</p> <p>2. Creating an algorithm of encryption based on prime numbers in positional systems of calculating residual classes // Przeglad Elektrotechniczny. - 2018, 94(2). - P. 164–169;</p>	<p>1. Использование микроконтроллеров в обучении школьников // Вестник «Физико-математические науки». № 1 (69). – 2021. - С. 387–392.</p> <p>2. Автоматизированный робот для окраски гладких поверхностей //</p>

						<p>3. Interval arithmetic in calculations // Open Engineering. - 2016, 6(1), - P. 259-263.</p>	<p>Материалы межд. науч. конф. «Фараби Әлемі». – 2021. – С. 19.</p> <p>3. Автоматизация процесса производства безалкогольных напитков поверхностей // Материалы межд. науч. конф. «Фараби Әлемі». – 2021. – С. 20.</p>
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