**Публикации участников научной лаборатории по данным PURE УрФУ за 2022-2023 гг.**

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1. [Assessment of the Properties of Modified Pearl Millet Starch](https://science.urfu.ru/ru/publications/assessment-of-the-properties-of-modified-pearl-millet-starch)

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1. [Central composite design application in the optimization of the effect of pumice stone on lightweight concrete properties using RSM](https://science.urfu.ru/ru/publications/central-composite-design-application-in-the-optimization-of-the-e)

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1. [Impact of Fine Slag Aggregates on the Final Durability of Coal Bottom Ash to Produce Sustainable Concrete](https://science.urfu.ru/ru/publications/impact-of-fine-slag-aggregates-on-the-final-durability-of-coal-bo)

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1. [Performance investigations for sustainability assessment of Hastelloy C-276 under different machining environments](https://science.urfu.ru/ru/publications/performance-investigations-for-sustainability-assessment-of-haste)

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[Shcheklein, S. E.](https://science.urfu.ru/ru/persons/%D0%B2%D0%BB%D0%B0%D0%B4%D0%B8%D1%81%D0%BB%D0%B0%D0%B2-%D0%BF%D0%B5%D1%82%D1%80%D0%BE%D0%B2%D0%B8%D1%87-%D0%BE%D0%B1%D0%BE%D1%81%D0%BA%D0%B0%D0%BB%D0%BE%D0%B2-2) & [Dubinin, A. M.](https://science.urfu.ru/ru/persons/%D0%B0%D0%BB%D0%B5%D0%BA%D1%81%D0%B5%D0%B9-%D0%BC%D0%B8%D1%85%D0%B0%D0%B9%D0%BB%D0%BE%D0%B2%D0%B8%D1%87-%D0%B4%D1%83%D0%B1%D0%B8%D0%BD%D0%B8%D0%BD), 2023, В: [International Journal of Hydrogen Energy.](https://science.urfu.ru/ru/persons/%D0%B2%D0%BB%D0%B0%D0%B4%D0%B8%D1%81%D0%BB%D0%B0%D0%B2-%D0%BF%D0%B5%D1%82%D1%80%D0%BE%D0%B2%D0%B8%D1%87-%D0%BE%D0%B1%D0%BE%D1%81%D0%BA%D0%B0%D0%BB%D0%BE%D0%B2-2/publications/) 48, 52, стр. 19803-19810 8 стр.

1. [АНАЛИЗ СОСТОЯНИЯ ЭНЕРГЕТИЧЕСКОЙ СТРУКТУРЫ И ОЦЕНКА УСЛОВИЙ ДЛЯ РАЗВИТИЯ АТОМНОЙ ЭНЕРГЕТИКИ ВО ВЬЕТНАМЕ](https://science.urfu.ru/ru/publications/%D0%B0%D0%BD%D0%B0%D0%BB%D0%B8%D0%B7-%D1%81%D0%BE%D1%81%D1%82%D0%BE%D1%8F%D0%BD%D0%B8%D1%8F-%D1%8D%D0%BD%D0%B5%D1%80%D0%B3%D0%B5%D1%82%D0%B8%D1%87%D0%B5%D1%81%D0%BA%D0%BE%D0%B9-%D1%81%D1%82%D1%80%D1%83%D0%BA%D1%82%D1%83%D1%80%D1%8B-%D0%B8-%D0%BE%D1%86%D0%B5%D0%BD%D0%BA%D0%B0-%D1%83%D1%81%D0%BB%D0%BE%D0%B2%D0%B8%D0%B9-%D0%B4%D0%BB%D1%8F-%D1%80%D0%B0)

[Та Ван, Т.](https://science.urfu.ru/ru/persons/%D1%82%D1%85%D1%8B%D0%BE%D0%BD%D0%B3-%D1%82%D0%B0-%D0%B2%D0%B0%D0%BD), [Ташлыков, О. Л.](https://science.urfu.ru/ru/persons/%D0%BE%D0%BB%D0%B5%D0%B3-%D0%BB%D0%B5%D0%BE%D0%BD%D0%B8%D0%B4%D0%BE%D0%B2%D0%B8%D1%87-%D1%82%D0%B0%D1%88%D0%BB%D1%8B%D0%BA%D0%BE%D0%B2), [Щеклеин, С. Е.](https://science.urfu.ru/ru/persons/%D0%B2%D0%BB%D0%B0%D0%B4%D0%B8%D1%81%D0%BB%D0%B0%D0%B2-%D0%BF%D0%B5%D1%82%D1%80%D0%BE%D0%B2%D0%B8%D1%87-%D0%BE%D0%B1%D0%BE%D1%81%D0%BA%D0%B0%D0%BB%D0%BE%D0%B2-2), Туен, Ф. К. & Чан, Б. Ш., 2023, В: [Международный научный журнал "Альтернативная энергетика и экология".](https://science.urfu.ru/ru/persons/%D0%B2%D0%BB%D0%B0%D0%B4%D0%B8%D1%81%D0%BB%D0%B0%D0%B2-%D0%BF%D0%B5%D1%82%D1%80%D0%BE%D0%B2%D0%B8%D1%87-%D0%BE%D0%B1%D0%BE%D1%81%D0%BA%D0%B0%D0%BB%D0%BE%D0%B2-2/publications/) 2 (407), стр. 43-53 11 стр.

1. [БЕСПЛОТИННЫЕ ПРИЛИВНЫЕ ГИДРОЭНЕРГЕТИЧЕСКИЕ СТАНЦИИ МАЛОЙ МОЩНОСТИ (ОБЗОР НЕКОТОРЫХ ПАТЕНТОВ УРФУ)](https://science.urfu.ru/ru/publications/%D0%B1%D0%B5%D1%81%D0%BF%D0%BB%D0%BE%D1%82%D0%B8%D0%BD%D0%BD%D1%8B%D0%B5-%D0%BF%D1%80%D0%B8%D0%BB%D0%B8%D0%B2%D0%BD%D1%8B%D0%B5-%D0%B3%D0%B8%D0%B4%D1%80%D0%BE%D1%8D%D0%BD%D0%B5%D1%80%D0%B3%D0%B5%D1%82%D0%B8%D1%87%D0%B5%D1%81%D0%BA%D0%B8%D0%B5-%D1%81%D1%82%D0%B0%D0%BD%D1%86%D0%B8%D0%B8-%D0%BC%D0%B0%D0%BB%D0%BE%D0%B9-%D0%BC%D0%BE%D1%89%D0%BD%D0%BE%D1%81%D1%82%D0%B8)

[Щеклеин, С. Е.](https://science.urfu.ru/ru/persons/%D0%B2%D0%BB%D0%B0%D0%B4%D0%B8%D1%81%D0%BB%D0%B0%D0%B2-%D0%BF%D0%B5%D1%82%D1%80%D0%BE%D0%B2%D0%B8%D1%87-%D0%BE%D0%B1%D0%BE%D1%81%D0%BA%D0%B0%D0%BB%D0%BE%D0%B2-2), [Попов, А. И.](https://science.urfu.ru/ru/persons/%D0%B0%D0%BB%D0%B5%D0%BA%D1%81%D0%B0%D0%BD%D0%B4%D1%80-%D0%B8%D0%BB%D1%8C%D0%B8%D1%87-%D0%BF%D0%BE%D0%BF%D0%BE%D0%B2) & Мещерякова, К. П., 2023, В: [Международный научный журнал "Альтернативная энергетика и экология".](https://science.urfu.ru/ru/persons/%D0%B2%D0%BB%D0%B0%D0%B4%D0%B8%D1%81%D0%BB%D0%B0%D0%B2-%D0%BF%D0%B5%D1%82%D1%80%D0%BE%D0%B2%D0%B8%D1%87-%D0%BE%D0%B1%D0%BE%D1%81%D0%BA%D0%B0%D0%BB%D0%BE%D0%B2-2/publications/) 2 (407), стр. 101-109 9 стр.

1. [КОГЕНЕРАЦИОННАЯ УСТАНОВКА, РАБОТАЮЩАЯ НА ПРОДУКТАХ ДЕГИДРИРОВАНИЯ ЭТАНОЛА](https://science.urfu.ru/ru/publications/%D0%BA%D0%BE%D0%B3%D0%B5%D0%BD%D0%B5%D1%80%D0%B0%D1%86%D0%B8%D0%BE%D0%BD%D0%BD%D0%B0%D1%8F-%D1%83%D1%81%D1%82%D0%B0%D0%BD%D0%BE%D0%B2%D0%BA%D0%B0-%D1%80%D0%B0%D0%B1%D0%BE%D1%82%D0%B0%D1%8E%D1%89%D0%B0%D1%8F-%D0%BD%D0%B0-%D0%BF%D1%80%D0%BE%D0%B4%D1%83%D0%BA%D1%82%D0%B0%D1%85-%D0%B4%D0%B5%D0%B3%D0%B8%D0%B4%D1%80%D0%B8%D1%80%D0%BE%D0%B2%D0%B0%D0%BD%D0%B8%D1%8F-)

[Щеклеин, С. Е.](https://science.urfu.ru/ru/persons/%D0%B2%D0%BB%D0%B0%D0%B4%D0%B8%D1%81%D0%BB%D0%B0%D0%B2-%D0%BF%D0%B5%D1%82%D1%80%D0%BE%D0%B2%D0%B8%D1%87-%D0%BE%D0%B1%D0%BE%D1%81%D0%BA%D0%B0%D0%BB%D0%BE%D0%B2-2) & [Дубинин, А. М.](https://science.urfu.ru/ru/persons/%D0%B0%D0%BB%D0%B5%D0%BA%D1%81%D0%B5%D0%B9-%D0%BC%D0%B8%D1%85%D0%B0%D0%B9%D0%BB%D0%BE%D0%B2%D0%B8%D1%87-%D0%B4%D1%83%D0%B1%D0%B8%D0%BD%D0%B8%D0%BD), 2023, В: [Международный научно-исследовательский журнал.](https://science.urfu.ru/ru/persons/%D0%B2%D0%BB%D0%B0%D0%B4%D0%B8%D1%81%D0%BB%D0%B0%D0%B2-%D0%BF%D0%B5%D1%82%D1%80%D0%BE%D0%B2%D0%B8%D1%87-%D0%BE%D0%B1%D0%BE%D1%81%D0%BA%D0%B0%D0%BB%D0%BE%D0%B2-2/publications/) 4 (130), 12.

1. [ПРИМЕНЕНИЕ ВОДОРОДА, ПОЛУЧЕННОГО ВОЗДУШНОЙ КОНВЕРСИЕЙ МОТОРНОГО ДИЗЕЛЬНОГО ТОПЛИВА, В ЭЛЕКТРОХИМИЧЕСКОМ ГЕНЕРАТОРЕ](https://science.urfu.ru/ru/publications/%D0%BF%D1%80%D0%B8%D0%BC%D0%B5%D0%BD%D0%B5%D0%BD%D0%B8%D0%B5-%D0%B2%D0%BE%D0%B4%D0%BE%D1%80%D0%BE%D0%B4%D0%B0-%D0%BF%D0%BE%D0%BB%D1%83%D1%87%D0%B5%D0%BD%D0%BD%D0%BE%D0%B3%D0%BE-%D0%B2%D0%BE%D0%B7%D0%B4%D1%83%D1%88%D0%BD%D0%BE%D0%B9-%D0%BA%D0%BE%D0%BD%D0%B2%D0%B5%D1%80%D1%81%D0%B8%D0%B5%D0%B9-%D0%BC%D0%BE%D1%82%D0%BE%D1%80%D0%BD%D0%BE%D0%B3%D0%BE-%D0%B4%D0%B8)

[Щеклеин, С. Е.](https://science.urfu.ru/ru/persons/%D0%B2%D0%BB%D0%B0%D0%B4%D0%B8%D1%81%D0%BB%D0%B0%D0%B2-%D0%BF%D0%B5%D1%82%D1%80%D0%BE%D0%B2%D0%B8%D1%87-%D0%BE%D0%B1%D0%BE%D1%81%D0%BA%D0%B0%D0%BB%D0%BE%D0%B2-2) & [Дубинин, А. М.](https://science.urfu.ru/ru/persons/%D0%B0%D0%BB%D0%B5%D0%BA%D1%81%D0%B5%D0%B9-%D0%BC%D0%B8%D1%85%D0%B0%D0%B9%D0%BB%D0%BE%D0%B2%D0%B8%D1%87-%D0%B4%D1%83%D0%B1%D0%B8%D0%BD%D0%B8%D0%BD), 2023, В: [Международный научный журнал "Альтернативная энергетика и экология".](https://science.urfu.ru/ru/persons/%D0%B2%D0%BB%D0%B0%D0%B4%D0%B8%D1%81%D0%BB%D0%B0%D0%B2-%D0%BF%D0%B5%D1%82%D1%80%D0%BE%D0%B2%D0%B8%D1%87-%D0%BE%D0%B1%D0%BE%D1%81%D0%BA%D0%B0%D0%BB%D0%BE%D0%B2-2/publications/) 2 (407), стр. 82-92 11 стр.

1. [СРАВНЕНИЕ СКОРОСТЕЙ РАЗЛОЖЕНИЯ УГЛЕКИСЛОГО ГАЗА ИЗ АТМОСФЕРЫ ЗЕМЛИ ФОТОНАМИ СОЛНЕЧНОГО СВЕТА И УТИЛИЗАЦИИ ЕГО РАСТЕНИЯМИ](https://science.urfu.ru/ru/publications/%D1%81%D1%80%D0%B0%D0%B2%D0%BD%D0%B5%D0%BD%D0%B8%D0%B5-%D1%81%D0%BA%D0%BE%D1%80%D0%BE%D1%81%D1%82%D0%B5%D0%B9-%D1%80%D0%B0%D0%B7%D0%BB%D0%BE%D0%B6%D0%B5%D0%BD%D0%B8%D1%8F-%D1%83%D0%B3%D0%BB%D0%B5%D0%BA%D0%B8%D1%81%D0%BB%D0%BE%D0%B3%D0%BE-%D0%B3%D0%B0%D0%B7%D0%B0-%D0%B8%D0%B7-%D0%B0%D1%82%D0%BC%D0%BE%D1%81%D1%84%D0%B5%D1%80%D1%8B-%D0%B7%D0%B5%D0%BC%D0%BB)

[Щеклеин, С. Е.](https://science.urfu.ru/ru/persons/%D0%B2%D0%BB%D0%B0%D0%B4%D0%B8%D1%81%D0%BB%D0%B0%D0%B2-%D0%BF%D0%B5%D1%82%D1%80%D0%BE%D0%B2%D0%B8%D1%87-%D0%BE%D0%B1%D0%BE%D1%81%D0%BA%D0%B0%D0%BB%D0%BE%D0%B2-2), [Красноперова, А. С.](https://science.urfu.ru/ru/persons/%D0%B0%D0%BD%D0%BD%D0%B0-%D1%81%D0%B5%D1%80%D0%B3%D0%B5%D0%B5%D0%B2%D0%BD%D0%B0-%D0%BA%D1%80%D0%B0%D1%81%D0%BD%D0%BE%D0%BF%D0%B5%D1%80%D0%BE%D0%B2%D0%B0) & [Дубинин, А. М.](https://science.urfu.ru/ru/persons/%D0%B0%D0%BB%D0%B5%D0%BA%D1%81%D0%B5%D0%B9-%D0%BC%D0%B8%D1%85%D0%B0%D0%B9%D0%BB%D0%BE%D0%B2%D0%B8%D1%87-%D0%B4%D1%83%D0%B1%D0%B8%D0%BD%D0%B8%D0%BD), 2023, В: [Международный научно-исследовательский журнал.](https://science.urfu.ru/ru/persons/%D0%B2%D0%BB%D0%B0%D0%B4%D0%B8%D1%81%D0%BB%D0%B0%D0%B2-%D0%BF%D0%B5%D1%82%D1%80%D0%BE%D0%B2%D0%B8%D1%87-%D0%BE%D0%B1%D0%BE%D1%81%D0%BA%D0%B0%D0%BB%D0%BE%D0%B2-2/publications/) 3 (129), 60.

1. [A Numerical Analysis of Fluid Flow and Torque for Hydropower Pelton Turbine Performance Using Computational Fluid Dynamics](https://science.urfu.ru/ru/publications/a-numerical-analysis-of-fluid-flow-and-torque-for-hydropower-pelt)

[Qasim, M. A.](https://science.urfu.ru/ru/persons/%D0%BC%D1%83%D1%85%D0%B0%D0%BC%D0%BC%D0%B5%D0%B4-%D0%B0%D0%B1%D0%B4%D1%83%D0%BB%D1%85%D0%B0%D0%BB%D0%B8%D0%BA-%D0%BA%D0%B0%D1%81%D0%B8%D0%BC-%D0%BA%D0%B0%D1%81%D0%B8%D0%BC-2), [Velkin, V. I.](https://science.urfu.ru/ru/persons/v-i-velkin), [Shcheklein, S. E.](https://science.urfu.ru/ru/persons/%D0%B2%D0%BB%D0%B0%D0%B4%D0%B8%D1%81%D0%BB%D0%B0%D0%B2-%D0%BF%D0%B5%D1%82%D1%80%D0%BE%D0%B2%D0%B8%D1%87-%D0%BE%D0%B1%D0%BE%D1%81%D0%BA%D0%B0%D0%BB%D0%BE%D0%B2-2), Hanfesh, A. O., Farge, T. Z. & Essa, F. A., мар. 2022, В: [Inventions.](https://science.urfu.ru/ru/persons/%D0%B2%D0%BB%D0%B0%D0%B4%D0%B8%D1%81%D0%BB%D0%B0%D0%B2-%D0%BF%D0%B5%D1%82%D1%80%D0%BE%D0%B2%D0%B8%D1%87-%D0%BE%D0%B1%D0%BE%D1%81%D0%BA%D0%B0%D0%BB%D0%BE%D0%B2-2/publications/) 7, 1, 13 стр., 22.

1. [Assessment of the performance of solar water heater: an experimental and theoretical investigation](https://science.urfu.ru/ru/publications/assessment-of-the-performance-of-solar-water-heater-an-experiment)

[Alwan, N. T.](https://science.urfu.ru/ru/persons/%D0%BD%D0%B0%D1%81%D0%B8%D1%80-%D1%82%D0%B0%D0%B2%D1%84%D0%B8%D0%BA-%D0%B0%D0%BB%D0%B2%D0%B0%D0%BD-%D0%B0%D0%BB%D1%85%D0%B0%D1%80%D0%B1%D0%B0%D0%B2%D0%B8), [Majeed, M. H.](https://science.urfu.ru/ru/persons/%D0%BC%D0%B8%D0%BB%D0%B8%D1%8F-%D1%85%D0%B0%D0%BC%D0%B8%D0%B4-%D0%BC%D0%B0%D0%B4%D0%B6%D0%B8%D0%B4-%D0%B0%D0%BB%D0%B4%D0%B6%D1%83%D0%B1%D1%83%D1%80%D0%B8), Khudhur, I. M., [Shcheklein, S. E.](https://science.urfu.ru/ru/persons/%D0%B2%D0%BB%D0%B0%D0%B4%D0%B8%D1%81%D0%BB%D0%B0%D0%B2-%D0%BF%D0%B5%D1%82%D1%80%D0%BE%D0%B2%D0%B8%D1%87-%D0%BE%D0%B1%D0%BE%D1%81%D0%BA%D0%B0%D0%BB%D0%BE%D0%B2-2), Ali, O. M., Yaqoob, S. J. & Alayi, R., 2022, В: [International Journal of Low-Carbon Technologies.](https://science.urfu.ru/ru/persons/%D0%B2%D0%BB%D0%B0%D0%B4%D0%B8%D1%81%D0%BB%D0%B0%D0%B2-%D0%BF%D0%B5%D1%82%D1%80%D0%BE%D0%B2%D0%B8%D1%87-%D0%BE%D0%B1%D0%BE%D1%81%D0%BA%D0%B0%D0%BB%D0%BE%D0%B2-2/publications/) 17, стр. 528-539 12 стр.

1. [Conversion of heat generated during normal PV panel operation into useful energy via a hybrid PV-TEG connection](https://science.urfu.ru/ru/publications/conversion-of-heat-generated-during-normal-pv-panel-operation-int)

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Переведенное название: ПРОЕКТИРОВАНИЕ И МОДЕЛИРОВАНИЕ АВТОНОМНОЙ СОЛНЕЧНО-ВЕТРОВОЙ СИСТЕМЫ С СЕМИУРОВНЕВЫМ ИНВЕРТОРОМ[Qasim, M. A.](https://science.urfu.ru/ru/persons/%D0%BC%D1%83%D1%85%D0%B0%D0%BC%D0%BC%D0%B5%D0%B4-%D0%B0%D0%B1%D0%B4%D1%83%D0%BB%D1%85%D0%B0%D0%BB%D0%B8%D0%BA-%D0%BA%D0%B0%D1%81%D0%B8%D0%BC-%D0%BA%D0%B0%D1%81%D0%B8%D0%BC-2), [Velkin, V. I.](https://science.urfu.ru/ru/persons/v-i-velkin), [Shcheklein, S. E.](https://science.urfu.ru/ru/persons/%D0%B2%D0%BB%D0%B0%D0%B4%D0%B8%D1%81%D0%BB%D0%B0%D0%B2-%D0%BF%D0%B5%D1%82%D1%80%D0%BE%D0%B2%D0%B8%D1%87-%D0%BE%D0%B1%D0%BE%D1%81%D0%BA%D0%B0%D0%BB%D0%BE%D0%B2-2), [Hossain, I.](https://science.urfu.ru/ru/persons/%D0%B8%D1%81%D0%BC%D0%B0%D0%B8%D0%BB-%D1%85%D0%BE%D1%81%D1%81%D0%B5%D0%B9%D0%BD) & [Du, Y.](https://science.urfu.ru/ru/persons/%D1%8F%D0%BD-%D0%B4%D1%83), 1 янв. 2022, В: [Вестник Южно-Уральского государственного университета. Серия: Энергетика.](https://science.urfu.ru/ru/persons/%D0%B2%D0%BB%D0%B0%D0%B4%D0%B8%D1%81%D0%BB%D0%B0%D0%B2-%D0%BF%D0%B5%D1%82%D1%80%D0%BE%D0%B2%D0%B8%D1%87-%D0%BE%D0%B1%D0%BE%D1%81%D0%BA%D0%B0%D0%BB%D0%BE%D0%B2-2/publications/) 22, 3, стр. 5-17 13 стр.

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Опубликованы, но ещё не индексированы в 2023 г. ещё более 20 статей.