



YESSENOV
UNIVERSITY

APPROVED

By the decision of the Research Council

(Protocol № 4 dated 10/02/2021)

POSITION

**ABOUT THE RESEARCH CENTER FOR DESALINATION AND WATER
PURIFICATION AT YESENOV UNIVERSITY
(SCIENTIFIC RESEARCH CENTER FOR DESALINATION AND WATER
PURIFICATION)**

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1. GENERAL PROVISIONS

1.1 The Scientific Research Center for Desalination and Water Purification (hereinafter referred to as SIC) is a structural unit of the Department of Science and Research of the Caspian University of Technology and Engineering named after Sh. Yesenov (hereinafter - the University), contributing to the development of the scientific and creative potential of the University.

1.2 SIC carries out its activities on the basis of:

– The Law of the Republic of Kazakhstan "On Education" dated 07/27/2007 No. 319 with amendments and additions;

– Law of the Republic of Kazakhstan dated 02/18/2011 No. 407-IV "On Science" with amendments and additions;

– The State Program for the Development of Education and Science of the Republic of Kazakhstan for 2020-2025, approved by Decree of the Government of the Republic of Kazakhstan No. 988 dated 12/27/2019;

– The Charter of the NAO "Caspian University of Technology and Engineering named after Sh. Yesenov", approved by the Order of the Ministry of Finance of the Republic of Kazakhstan dated 06/04/2020 No. 11933-1943;

– Strategies for the development of the University until 2030 and other internal regulatory documents of the University.

1.3 The staffing table of the SIC is approved by the order of the President on the basis of the staffing approved by the decision of the Board of Directors.

1.4 The direct management of the work of the SIC is carried out by the Director of the SIC.

2. DESIGNATIONS AND ABBREVIATIONS

Ministry of Education and Science of the Republic of Kazakhstan	Ministry of Education and Science of the Republic of Kazakhstan
Yesenov University, University	NAO "Caspian University of Technology and Engineering named after Sh. Yesenova"
SRCDWP Center	Scientific Research Center for Desalination and Water Purification
TS	Teaching staff

3. TASKS AND FUNCTIONS

3.1 Objectives of the SIC:

1) organization of work on the development and implementation in the educational process of programs for water purification methods, including membrane technologies;

2) development of fundamental and applied scientific research in accordance with the priority research directions of the University;

3) development of scientific and scientific-technical cooperation on water purification methods and membrane technologies with leading Kazakhstani and foreign universities, scientific, industrial organizations and enterprises in order to increase the efficiency of integration processes in education and science;

4) support and development of student scientific associations, research and educational laboratories on water purification methods and membrane technologies;

5) development and implementation of economic and organizational measures to attract financial resources to the university for the implementation of research activities for the purification and desalination of seawater;

6) study of scientific, educational, economic and other documentation necessary for the organization of the Center's activities, preparation of analytical materials, certificates, reports and other similar information on the direction of the Center's activities;

7) Optimization of existing desalination technologies (productivity, energy, chemistry, environment and costs);

8) Hybridization of existing desalination technologies (synergetic combination of processing processes with energy considerations);

9) Adaptation of technologies to local and changing (e.g. climate change) conditions;

10) study of methods of preliminary purification of seawater and groundwater;

11) study of alternative methods of desalination and water purification in relation to the weather and infrastructural conditions of the region;

12) fundamental study of membrane separation technologies.

3.2 Functions of the SIC:

1) conducting fundamental, predictive, exploratory and applied scientific research in priority areas of scientific activity of the University;

2) participation in the training of scientific personnel;

3) study and generalization of advanced domestic and foreign experience on the problems of purification and desalination of seawater;

4) preparation of monographs, textbooks, lectures, articles, newsletters;

5) participation in the work of the research council and other councils, their sections, scientific meetings;

6) participation in international, regional and university scientific and practical conferences, round tables, seminars;

7) approbation, scientific support and implementation of the results of the conducted research in the scientific and educational activities of the university;

8) preparation of reports on the scientific activities of the Center;

9) organization of the conclusion of contracts, agreements, contracts for the performance of scientific research;

10) control over the implementation of orders of the President-Rector and decisions of the Academic Council related to the scientific activities of the university and orders.

4. RIGHTS AND OBLIGATIONS

4.1 The rights of the SIC:

1) to request and receive from all structural divisions and employees of the University the necessary information, documents, other materials, oral and written explanations;

2) to represent the interests of the University in relations with legal entities and individuals within their competence;

3) to put issues on the agenda of meetings of the Research Council of the University. 4.1 The rights of the SIC:

4.2 Responsibilities of the SIC:

1) to carry out scientific management of research in independent areas of fundamental and (or) applied research of the Center;

2) participate in the formation of plans for scientific research of the Center and take a direct part in their implementation:

- definition and formulation of research directions, organizes the preparation of work programs, determines methods and means of their implementation;

- coordination of the activities of the performers of scientific research works;

- analysis and generalization of the results obtained and data from world and domestic science in the relevant field;

- scientific expertise of research projects and the results of completed research and development;
 - determination of the scope of application of the research results obtained from the research results;
- 3) preparation and presentation of a summary report on the scientific activities of the Center.