

**Ahmed Adnan Hayder Ph.D**  
**Curriculum vitae**

**EDUCATION**

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Ph.D Technology of organic substances, Belarusian State Technological University.  
Master Degree Chemical technology of fuels and high-energy substances, Belarusian State Technological University.  
B.Sc Chemical engineering.

**PUBLICATOIN**

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Improving the technology for obtaining base mineral oils and paraffins  
Proceedings of BSTU - №4. Chemistry, technology organ. in-in and biotechnology.  
Grushova E. I., Karpenko O. V., Labkovich O. V., Al-Razoqi A. A.

Applying additive-modifiers in dewaxing raffinate process  
Proceedings of BSTU. Issue 4. Chemistry, Organic Substances Technology and Biotechnology.  
E. I. Grushova, A. A. Al-Razoqi, O. A. Miloserdova, E. S. Chaiko

Application of IR spectroscopy in the study of mineral  
oils News of higher educational institutions. Oil and gas.  
E. I. Grushova, A. A. Al-Razoqi, E. S. Chaiko, O. A. Miloserdova

Solvent for dewaxing of raffinates isolated from oil distillates of oil  
Proceedings of BSTU - №2. Chem. technologies, biotechnologies, geoecology.  
Grushova E. I., Al-Razoqi A. A., Karpenko O. V., Alpashedi A. R., Poleshko A. V.

The Effect of Cyclohexanol in Extraction Processes in the Production of Mineral Oils  
International Journal of Petroleum and Petrochemical Engineering (IJPPE). Vol. 3, issue 4.  
Evgeniya I. Grushova, Ahmed A. Al-Razoqi, Aymen R. Alrashedi

Use of methyl tert-butyl ether in extraction processes for processing oil fractions of oil  
Proceedings of BSTU - № 1. Chem. technologies, biotechnologies, geoecology.  
Grushova, E. I., Usheva O. A., Al-Razoqi A. A.

New solvent for low-temperature dewaxing of oil raffinates  
Proceedings of BSTU - № 1. Chem. technologies, biotechnologies, geoecology.  
E. I. Grushova, A. A. Al-Razoqi

Improvement of the Extraction Technology for Production of Mineral Oils  
Russian Journal of Applied Chemistry, 2022, Vol. 95, No. 9, pp. 1304-1310.  
V. I. Zholnerkevich, E. I. Grushova, A. A. Al-Razuki, and Yu. A. Gorashchuk

**CONFERENCE ACTIVITY**

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Influence of low molecular weight alcohols as co-reagents of N-methylpyrrolidone on the selective purification of oil distillates / 65th scientific and technical. conf. students and undergraduates: Sat. scientific works, Minsk, Belarus. state technol. un-t.  
A. R. Alrashidi, A. A. Al-Razoqi Haider

Choice of the optimal method for dewaxing raffinates of selective oil purification / 65th Scientific

and Technical. conf. students and undergraduates: Sat. scientific works, Minsk, Belarus. state technol. un-t.

D. A. Lenchevsky, A. R. Alrashidi, A. A. Al-Razoqi Haider

Influence of the composition of gachas on the process of paraffin extraction by the method of static crystallization / The latest achievements in the field of innovative development in the chemical industry and the production of building materials: materials of the Intern. sci.-tech. Conf., Minsk, Belarus. state technol. un-t.

O. V. Karpenko, E. I. Grushova, A. A. Al-Razoqi

The use of additives of organic solvents to activate the processes of separation of oil and oil products / Collaboration is a catalyst for innovative growth: Materials III Belarus.- Baltic.Forum, Minsk, Belarus. nat. tech. un-t.

E. I. Grushova, A. A. Al-Razoqi, O. V. Karpenko, A. R. Alpashedi

Improving the efficiency of selective purification, dewaxing and deoiling of petroleum products in the production of base oils and paraffins / The first step into science - 2018 : Sat. materials of the International forum of students and students in the framework of the International. scientific-practical. innovation. forum "INMAX'18", Minsk, Center for Youth Innovations, Minsk City Technopark.

A. A. Al-Razoqi, O. A. Usheva, O. V. Karpenko

The use of modifying additives for the intensification of extraction processes in the production of mineral oils / Petrochemistry - 2018: materials of the I Intern. sci.-tech. and investment. forum on chem. technologies and oil and gas processing, Minsk, Belarus. state technol. un-t.

A. A. Al-Razoqi, E.I. Grushova, O.A. Usheva, A.R. Alrashidi

Regulation of extraction properties of solvents used in the manufacture of mineral oils / Polyfunctional chemical materials and technologies: materials of the Intern. scientific conf., Tomsk, Nat. research Tomsk. state un-t.

A. A. Al-Razoqi, E. I. Grushova, O. A. Usheva

Intensification of petroleum oils production technological processes / Petrochemistry - 2019: Proceedings of the II Intern. sci.-tech. and investment. forum on chem. Technologies and Oil and Gas Processing, Minsk, Belarus. state those Training and certification

A. A. Al-Razoqi, E. I. Grushova, Ashraf S. Shareef, O. A. Usheva

## **IVENTION PATENT**

Method for obtaining base mineral

oilPat. BY 23113

E. I. Grushova, A. A. Al-Razoqi, E. S. Chaiko

Method of dewaxing petroleum raw

materials oilPat. BY 23231

E. I. Grushova, A. A. Al-Razoqi

## **DEVICES AND METHODS IN OPERATION**

Infra-red spectroscopy      **Fourier spectrometer Nexus ESP Thermo Nicolet**

Viscometry                      **Capillary viscometer VPG-2**

Refractometry

Solvent-adsorption method

The experimental data were  
processed statistically using software:

**Unichrom, Mathcad, OMNIC**

## **PROFESSIONAL EXPERIENCE**

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A diploma of the 1st degree for the best scientific work

A diploma for active participation in research work postgraduate studies

Participated in conferences from different countries (Belarus, Spain, Azerbaijan, India, Russia)

Received diplomas from international scientific and technical forums (Petrochemistry)

Diploma of the 1st degree for the best sectional report

Certificates of a participant in an international scientific Practical innovation forum

Received a certificate of honor from the Embassy of Iraq in the Republic of Belarus.

Certificate of practical significance from a south oil company

Certificate of the possibility of practical use of research results in the technology of production of mineral oils

Certificate of practical significance of the results from oil products distribution company