

Personal information:

Full name: Auday Khudaier Azawy

Date of birth: 01.01.1974

Place of birth: Iraq/Baghdad

Citizenship: Iraq and Russian Federation

Place of residence: Iraq, Baghdad

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Education

March 2002 – November 2006

Doctoral viva: 20.11.2006

USTU-UPI (now UrFU), Russia, Yekaterinburg (www.urfu.ru)

Degree: PhD degree.

General physics department. Metallurgical faculty. Condensed matter physics. Doctoral dissertation on the topic of **‘INVESTIGATION INTO PROCESSES OF FORMATION AND INTERACTION BETWEEN PHASES IN CONTACT MELTING’**.

September 1997 – February 2000

Al Mustansiriya University, Iraq, Baghdad.

Degree: Master’s degree in physics.

General physics department. Faculty of natural sciences.

Dissertation on the topic of **‘STUDY AND PREPARATION OF SOME DENTAL PORCELAIN MATERIALS’**.

October 1991 г. - June 1995 г.

Al Mustansiriya University, Iraq, Baghdad.

Degree: Bachelor’s degree in physics.

General physics department. Faculty of natural sciences.

Ranked third in the overall ranking of students at the Department of Physics.

Further education

May – June 2014 – Sulaymaniyah University, Iraq. Advanced Vocational Training: ‘Methods of teaching in educational institutions of higher education’.

March – April 2014 – Cologne, Germany. Practical course in the CASSY LAB 2 programme, on the base of LEYBOLD company.

October – November 2011 – UrFU, Russia. Advanced training faculty. Subject: ‘English language for professional purposes’. (72 hours)

Laboratory work

2023-2024-until present. Lecturer in Al-Farahidi University /college of Science/Medical Physics Department.

2019 – 2024. Head of Physics lab. in Razga Company for quality control.

2017 – 2018. I conducted an investigation of the physicochemical and rheological properties of honey produced in Kurdistan and in Russia. Currently, I am in the process of writing an article on this investigation.

01.09.2017 – until present. Solid state physics laboratory supervisor, Halabja University.

01.09.2015 – 01.09.2017. Thermodynamics laboratory supervisor, Halabja University.

01.09.2014 – 01.09.2016. Mechanics and properties of matter laboratory supervisor, Halabja University.

2006 – 2008. Worked in various laboratories at the Department of Physics, Ural Federal University.

1998 – 2000. Prepared and conducted optical, mechanical and physical experiments for the manufacture and quality control of ceramics, Al Mustansiriya University.

Employment history

2023-2024-until present. Lecturer in Al-Farahidi University /college of Science/Medical Physics Department.

2022- 2023. University of Sulaymaniyah, College of natural sciences, environmental department. Lecturer of general physics and statistics.

2019 – 2024. Head of Physics lab. in Razga Company for quality control.

02.02.2013 – 2024 University of Halabja, Iraq. Faculty of natural sciences. Physics department. Lecturer of physics. Subjects taught: ‘Mechanics and properties of matter’, ‘Heat and Thermodynamics’, ‘Solid state’, ‘Material science and nanotechnology’.

30.11.2015– 21.02.2016 г. – *Head of physics department.*

02.02.2013– 29.11.2015 - *Supervisor of physics department.* College of science, physics department. Subjects taught: ‘Mechanics and properties of matter’. Also during this period I was responsible for the development of physics department (purchase of equipment, installation and testing of equipment, recruiting staff etc.)

01.10.2013 – 30.05.2015. Technical University of Sulaymaniyah, Iraq. Food industry department. Lecturer of mathematics.

01.09.2010 – 01.01.2013. UrFU (former USTU-UPI), Russia. Department of foreign languages. Senior lecturer of Arabic language.

2007-2009. UrFU (former USTU-UPI), Russia. Metallurgical faculty. General physics department. Laboratory worker/research assistant.

List of publications

- 1) Savvin V.S., Mikhailiova O.V., Azawy A.K., Kadochnikova A.S., Povzner A.A. Investigation of The Phase Constitution of Diffusion Zone in Systems with Intermetallics in The Process of Contact Melting. Scientific Abstracts of the X Russian Conference on Heat-transfer Properties of Matter. Kazan. – 2002. – P.173-174.
- 2) Azawy A.K. Simulation of the Growth of the Diffusion Zone Using the Method of Cellular Automaton. Scholarly Works of the IV Conference of Young Scientists at USTU-UPI. – 2003. – P.75.
- 3) Savvin V.S., Azawy A.K., Povzner A.A. Implementation of Cellular Automaton for Growth Modeling of Intermediate Phase in Contact Melting. Scholarly Works of the II Russian Conference ‘Physical Properties of Metals and Alloys’. Yekaterinburg – 2003. – P.60.
- 4) Savvin V.S., Azawy A.K., Vatolina N.D., Povzner A.A. Simulations of Contact Melting Using Cellular Automaton// Fusions. – 2004. - №6. – P.86.
- 5) Savvin V.S., Azawy A.K., Vatolina N.D., Povzner A.A. Simulation of the Incipient Stage of Contact Melting Using Cellular Automaton. Scientific Works of the XI Russian Conference ‘Structure and Properties of Metallic and Cinder Fusions’. – V.4 – Chelyabinsk: Publishing House of SUSU,2004. – P.44-47.
- 6) Savvin V.S., Azawy A.K., Kadochnikova A.S., Aitukayev A.D., Povzner A.A. Diffusion Zone of the Bi-In system in Contact Melting. Scientific Works of the XI Russian Conference ‘Structure and Properties of Metallic and Cinder Fusions’. – V.4 – Chelyabinsk: Publishing House of SUSU,2004. – P.44-47.
- 7) Savvin V.S., Azawy A.K., Sitnikov P.V., Vatolina N.D., Povzner A.A. Impact of the Heat Effect on Growth Kinetics of the Intermediate Phase//Fusions. – 2005. - № 5. – P.55.
- 8) Savvin V.S., Azawy A.K., Povzner A.A. Influence of the Heat Effect on Growth Kinetics of the Intermediate Phase in Contact Melting. Scientific abstracts of the XI Russian Conference on Heat-transfer Properties of Matter: Saint-Petersburg, 2005 – P. 95.
- 9) Savvin V.S., Azawy A.K., Povzner A.A. Computer Simulation of the Growth of Intermediate Phase in Contact Melting With Account For Heat Effects.

- Scientific Conference Abstracts 'Physical Properties of Metals and Alloys': Yekaterinburg, 2005.– P.100
- 10) Savvin V.S., Azawy A.K., Povzner A.A. Computer Simulation of Growth of Intermediate Liquid Phase in a Simple Eutectic System // High Temperature. 2007. V. 45. № 3. P. 327-333.
 - 11) Savvin V.S., Azawy A.K., Povzner A.A. Computer Simulation of the Growth of Intermediate Phases in a Complex Metallic System// The Physics of Metals and Metallography. 2007. V.104. № 2. P.163-166.
 - 12) Саввин В.С., Азави А.К., Повзнер А.А. Компьютерное моделирование роста жидкой фазы в простой эвтектической системе // Теплофизика высоких температур. 2007. Т. 45. № 3. С. 370-377. Computer Simulation of Growth of Intermediate Liquid Phase in a Simple Eutectic System // High Temperature. 2007. V. 45. no. 3. P. 327-333.
 - 13) Саввин В.С., Азави А.К., Повзнер А.А. Компьютерная имитация роста промежуточных фаз в сложной металлической системе // Физика металлов и металловедение. 2007. Т. 104. № 2. С. 172-175. Savvin V.S., Azavi A.K., Povzner A.A. Computer Simulation of the Growth of Intermediate Phases in a Complex Metallic System // The Physics of Metals and Metallography. 2007. V. 104. No 2. P. 163-166.
 - 14) Omed Gh. Abdullah 1,*, Yahya A.K. Salman 2, Dana A. Tahir 3, Gelas M. Jamal 1, Hawzhin T. Ahmed 4, Azhin H. Mohamad 5 and Auday K. Azawy Effect of ZnO Nanoparticle Content on the Structural and Ionic Transport Parameters of Polyvinyl Alcohol Based Proton-Conducting Polymer Electrolyte Membranes. 2021. Membranes. 11, 163.
 - 15) Auday Khudaier Azawy, Kocher Jamal Ibrahim, Omed Gh. Abdullah, Beshroo Abdulkareem Othman and Jasim M. S. Al-Saadi. Physical and Rheological Properties of Poly-floral Honey from the Iraqi Kurdistan Region and the Effect of Temperature on its Viscosity. Current Nutrition & Food Science, 2020, 16, 1-0.
 - 16) Shujahadeen B. Aziza, Omed Gh. Abdullaha , M.A. Brzac,a , Auday K. Azawyd , Dana A. Tahir. Effect of carbon nano-dots (CNDs) on structural and optical properties of PMMA polymer composite. Results in Physics 15 (2019) 102776.
 - 17) Kamal O. Abdullah1 Adel M. Hussien, Oday K. Azzawi, Shalaw Zrar Sedeeq. Determining the Natural Radioactivity Level of Soil Samples from Halabja City. Journal of University of Babylon. Vol.29; No.2. May-August 2021.