

# Guvanchmyrat Paytakov

Greater Houston

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## Summary

- Certified Chemistry, Physics, Math, Engineering, PLTW Medical Interventions, PLTW Aerospace Engineering Teacher
- Curriculum Writer 7 Years
- 12 Years High School and 2+ Years University Level Teaching Experience
- 5 Years of Experience on International and National Chemistry Olympiad team Coordinating, Selecting and Mentoring Gifted Students, High Performance Parallel Computing,
- Research Interests: Nanomaterials and Biologically Active Compounds.

## Experience



### **District Chemistry PLC/PD Lead Teacher, Honors Chemistry System Course Leader**

Harmony Public Schools

Aug 2019 - Present (3 years +)

Train Chemistry Teachers and Curriculum Writing



### **Adjunct Professor**

Lone Star College

Aug 2016 - Present (6 years +)

Teaching Chem 1411 and Chem 1405 Courses



### **AP Chemistry Teacher**

Harmony Public Schools

Aug 2014 - Present (8 years +)

Teaching (AP) Chemistry concepts to students, coordinating the classroom management

Also teaching PLTW Medical Interventions, Honors and on level Chemistry classes.



### **Graduate Research Assistant**

Jackson State University

Aug 2010 - Jul 2014 (4 years)

Interdisciplinary Center for Nanotoxicity



### **Graduate Teaching Assistant**

Jackson State University

Aug 2012 - Dec 2012 (5 months)

Taught CHML-142 (General Chemistry Lab II)



### **Graduate Teaching Assistant**

Jackson State University

Aug 2011 - Dec 2011 (5 months)

Taught CHML-141 (General Chemistry Lab)



### **Graduate Teaching Assistant**

Jackson State University

Aug 2010 - Dec 2010 (5 months)

Taught Lab Section of Chemistry Course in Civil Engineering Department.

### **National Chemistry Olympiad Team Coordinator / Chemistry Teacher**

Bashkent Education Company

Sep 2005 - Jun 2010 (4 years 10 months)

Selecting and Mentoring Gifted students in Turkmenistan for International Chemistry Olympiad and International Mendeleev Olympiad.

Served as Head-Mentor 10 International Olympiads.

## **Education**



### **Jackson State University**

Doctor of Philosophy (PhD), Chemistry

2010 - 2015

Computational, Theoretical, Physical Chemistry



### **Boğaziçi University**

Bachelor of Applied Science (B.A.Sc.), Chemistry

2000 - 2005

## **Licenses & Certifications**

**Certificate(s) of Participation as Team Leader** - IChO Organizing Committee  
(Korea-06, Russia-07, Hungary-08, UK-09, Japan-10)

**Certificate(s) for Mentoring and Leading National Chemistry Team** - Organizing Committee of Mendeleev Olympiad (Armenia-06, Belarus-07, Uzbekistan-08, Azerbaijan-10)



### **AutoCAD Certified Professional Prep Course** - Lynda.com

Issued Jan 2016 - Expires Jan 2016

72E089



### **Up and Running with Python** - Lynda.com

Issued Feb 2016 - Expires Feb 2016

5D4306



**Python 3 Essential Training** - Lynda.com

Issued Feb 2016 - Expires Feb 2016

463562



**Mathematica 10 Essential Training** - Lynda.com

Issued Feb 2016 - Expires Feb 2016

1688EF



**HTML Essential Training** - Lynda.com

Issued Jun 2016 - Expires Jun 2016

763E17

**Texas Educator Certificate Chemistry 7-12** - Texas State Board for Educator Certification

Issued Oct 2016 - Expires Jan 2023

**Texas Educator Certificate Math/Physical Science/Engineering 6-12** - Texas State Board for Educator Certification

Issued Aug 2018 - Expires Jan 2023



**PLTW Medical Interventions** - International Accreditors for Continuing Education & Training (IACET)



**Introduction to Inventor** - SolidProfessor



**Python Essential Training** - LinkedIn



**JavaScript Essential Training** - LinkedIn



**Python Object-Oriented Programming** - LinkedIn



**Essential Math for Machine Learning: Python Edition** - LinkedIn



**Programming Foundations: Fundamentals** - LinkedIn



**Programming Foundations: Databases** - LinkedIn

 **Succeeding in Web Development: Full Stack and Front End** - LinkedIn

 **HTML Essential Training** - LinkedIn

 **Complete Residential Systems-HVAC** - SkillCat  
70

 **HVAC Trade Math** - SkillCat  
58

 **CSS Essential Training** - LinkedIn

 **Learn Python 3 Course** - Codecademy

 **Advanced CSS Media Queries** - LinkedIn

 **Learning the JavaScript Language** - LinkedIn

## **Skills**

Computational Chemistry • Nanotechnology • Nanomaterials • Chemistry Education • Mathematica • Gaussian 09 • VASP • Chemistry • Materials Science • NMR spectroscopy

## **Honors & Awards**

### **Bronze Medal (3rd Place) International Mendeleyev Chemistry Olympiad**

- Organizing Committee of 34th International Mendeleyev Chemistry Olympiad  
(Azerbaijan)  
May 2000

**Diploma for 3rd Place in National Chemistry Olympiad** - Ministry of Education of Turkmenistan  
May 2000

**The Certificate of Excellence in Teaching** - Ministry of Education of Turkmenistan  
May 2008

Only 1-10 teacher(s) certified with this certificate in our country per year. People awarded with this certificate should make remarkable contribution to education system of the country.

**The Certificate of Recognition for Exemplary Teaching** - Ministry of Education of Turkmenistan  
May 2006

Only 1-20 teacher(s) certified with this certificate in our country per year.

**The Certificate of Excellence in Teaching** - Ministry of Education of Turkmenistan

Oct 2005

Only 1-10 teacher(s) certified with this certificate in our country per year. People awarded with this certificate should make remarkable contribution to education system of the country.