

## **CURRICULUM VITAE**

PASHAEV FAIQ HEYDAR oglu

### **Date and place of birth:**

March 27, 1955, Kedabey, Azerbaijan

### **UNIVERSITY EDUCATION AND ACADEMIC DEGREES OBTAINED**

Ph.D. in 1988 from Baku State University

M.S. in 1977 from Baku State University

From 1972 to 1977 Faculty of Physics, Baku State University

### **COMPLETE PROFESSIONAL BACKGROUND**

From 09.1977 to 08.1980 Teacher, region Lenkoran, Azerbaijan

From 05.1980 to present Senior teacher of Department of Chemical Physics of Nanomaterials of Physics faculty, Baku State University, Baku, Azerbaijan

### **INTERNATIONAL CONFERENCES, SCHOOLS, SEMINARS**

1. 2005, 8-10 July International Conference for "Calculations and spectrums of atomic-molecular and nucleus systems" Chanakkale Onsekiz Mart University, TUBITAK, Chanakkale, Turkey
2. 2005, 1-3 June 8-th Baku International Congress for "Energy, Ecology, Economy", In Association with UNESCO & Urmia University/Iran, Baku, Azerbaijan
3. 2005, 25-28 May Geleneksel Erzurum physics days-II, Ataturk University, Erzurum, Turkey
4. 2004, 16-17 September International Conference "Application of Information-Communication Technologies in Science and Education" Baku State University & Gafgaz University, Baku, Azerbaijan
5. 2002, 11-14 September TFD 21. Physics Congress (TFD-21), Suleiman Demirel University, Isparta, Turkey
6. 2001, 20-22 June International Regional Conference on astronomy and astrophysics(Tusi – 800), Baku State University, Baku, Azerbaijan
7. 2000, 25-27 May III<sup>rd</sup> national atomic and molecular Physics (AMF) symposium, Ataturk University, Erzurum, Turkey

### **PRESENT RESEARCH INTERESTS**

- (i) **main field**  
Quantum calculations of nanostructures. Nanotechnology.
- (ii) **Other fields**

#### **(111) current research interest**

Development of methods of Quantum calculation electronic structures, atoms and molecules in the basis of Slater type functions and development of teoretical methods for research of nanostructures.

### **LIST OF SELECTED PUBLICATIONS**

1. Mursalov T.M., Gasanov A.G., Achundov S.A., Pashaev F.G. Constracting of potential curves of molecules with usage molecular auxiliary functions. Proceeding of the "III<sup>rd</sup> national atomic

and molecular physics (AMF) symposium”, Abstracts, Ataturk University, Erzurum, Turkey, 2000, May 25-27, p.55.

2. Mursalov T.M., Gasanov A.G., Pashaev F.G. Computer calculation of spectroscopic parameters of diatomic molecules on the base of Slater functions. International Regional conference on astronomy and astrophysics (Tusi – 800), Abstract book, Baku, Azerbaijan, 2001, June 20-22, p.49.

3. Guseinov I.I., Pashayev F.H., Hasanov A.G., Mursalov T.M., Mamedov B.A. Calculation of molecular integrals in the base of Slater Type Orbitals with whole and fractional main quantum numbers. TFD 21. Physics Congress (TFD-21), Suleiman Demirel University, Isparta, Turkey, 2002, September 11-14, p.52.

4. Pashayev F.H., Gasanov A.G., Achundov S.A. Quantum chemical calculations of molecules of an intermediate product of reacting ozone phenol. Proceeding of the International Conference “Application of Information-Communication Technologies in Science and Education”, Baku State University & Gafgaz University, Baku, Azerbaijan, 2004 September 16-17, p.188.

5. Salahov M.S., Gasanov A.G., Pashayev F.H. Quantum chemical calculations of electronic structures of molecule  $C_4Cl_6$ . Proceeding of the International Conference “Application of Information-Communication Technologies in Science and Education”, Baku State University & Gafgaz University, Baku, Azerbaijan, 2004 September 16-17, p.188.

6. Salahov M.S., Mursalov T.M., Pashayev F.H., Gasanov A.G., Ashurova N.D. Calculations of electronic structure of some chlorinated dibenzo-para-dioxin molecules. Proceeding of the “Geleneksel Erzurum physics days-II”, Ataturk University, Erzurum, Turkey, 2005, May 25-28, p.39.

7. Mursalov T.M., Pashayev F.H., Ashurova N.D., Salahov M.S., Gasanov A.G. Quantum-chemical calculations of structure of molecules ecologically dangerous chlorinated dibenzo-p-dioxin. Proceeding of the eighth Baku International Congress “Energy, Ecology, Economy”, in Association with UNESCO & Urmia University/Iran, Baku, Azerbaijan, 2005, June 1-3, pp. 89-91.