

# Curriculum Vitae

## CONTACT INFORMATION

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## PERSONAL INFORMATION:

Date of Birth:27.09.1971  
Place of Birth: Beitrima- Ramallah  
Citizenship: Palestinian  
Sex: male

## Optional Personal Information:

Marital Status: married  
Children: two daughters

## EDUCATION:

1. Secondary school certificate: Al Amir Hasan secondary school( scientific stream) with average, 91.7%, in 1990.
2. Bachelor of Sc. In Chemical engineering: Moscow State Academy of Fine Chemical Technology, 1995.
3. Master of Sc. In Biochemistry and biotechnology: Moscow State Academy of Fine Chemical Technology, 1997
4. Ph.D in chemistry: Moscow State Academy of Fine Chemical Technology, 2000.

## RESEARCH EXPERIENCE:

1. 1994-1995, conducted research on chemical synthesis of biologically active peptides such as inhibitors of the enzyme rennin. Modern methods and coupling reagents such as BOP in peptide synthesis were used.
2. 1995-1997, the synthesis of various fragments of 16-residue peptide antibiotic Zervamicin IIB was performed. To overcome the difficulties connected with the introduction of Aib, Iva and isovalinol in peptide chain, original strategies and specific coupling reagents were used. Isolation, identification and characterization of obtained peptides were performed using modern methods as HPLC, mass spectrometry and NMR- spectroscopy. On 1997, July a master thesis with the title " The chemical synthesis of C-terminal fragment of Zervamicin IIB" was successfully completed.
3. 1997-2000, The total synthesis of stable isotope labeled analogues of peptide antibiotic Zervamicin IIB using original strategy and with high yields was performed. In addition, a combination of chemical and enzymatic methods was used for the synthesis of isotope labeled amino acids (Gln,Aib,...) which were introduced into the peptide chain of Zervamicin IIB.The obtained analogues of Zervamicin IIB were identified and characterized using HPLC, mass spectrometry and two-dimensional NMR spectroscopy.

## SCIENTIFIC TECHICAL SKILLS:

Chromatography: TLC, Column Chromatography on silica gel and ion exchange resins, Gel Filtration on sephadex, Analytical and preparative HPLC, Mass-spectrometry, NMR-spectroscopy.

## PUBLICATIONS:

1. Chemical Synthesis of  $^{15}\text{N}$ -Labeled Analogues of **Zervamicin IIB**; WH Rimawi, An. A. Ogrel, J. Raap, and VI Shvets; Russian Journal of Bioorganic Chemistry, 2000, Vol. 26, No. 11, , p. 725
2. Synthesis of Isotope-labeled Amino acids Contained in Zervamicin Antibiotic, Ogrel A, Rimavi V; Raap J, Shvets V; Russian Journal of Organic Chemistry; Vol. 37, No. 4, 2001, pp. 475-479.
3. Modification of the Shtrecker reaction on the example of synthesis of  $\alpha$ - aminoisobutiric acid; Ogrel An. A, Rimawi W. H, Shvets V. I, Raap J; Russian Journal of Organic Chemistry; Vol. 36, No. 8, 2000, pp. 1259-1261.
4. Complete Chemical Synthesis of isotope-Labeled peptaibol antibiotic- **Zervamicin IIB**; Shvets V.I, Raap J., Ogrel An. A., Rimawi W.H.; Scientific letters of MSAFCT;1999, Vol. 1 , pp. 45-52.

## EMPLOYMENT HISTORY:

1. Since 2001, October : Assistant professor on the College of Applied Sciences in Palestine Polytechnic University. During this period, instructor of the following courses: General chemistry I, General chemistry II, General chemistry Lab I, General chemistry Lab II, Organic Chemistry, Biochemistry Prepared manuals for General chemistry Lab I and General chemistry Lab II.
2. 2008 part time instructor of the course food analysis at Hebron University.
3. Since 2005, September: Dean of College of Applied Sciences in Palestine Polytechnic University.

## PROFESSIONAL MEMBERSHIPS:

1. Since 2005 member of the University council of Palestine Polytechnic University.
2. Since 2005 member of the Council of Deans of Palestine Polytechnic University.
3. 2005-2006 member in Union of professors and employees of Palestine Polytechnic Universities.