

PERSONAL INFORMATION

Hajiyeva Flora Vidadi

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COMPLETE PROFESSIONAL BACKGROUND

2006-2011- assistant, Department of Chemical Physics of nanomaterials, Baku State University

2011-2015- lecturer, Department of Chemical Physics of nanomaterials, Baku State University

2015-Associate Professor, Department of Chemical Physics of nanomaterials, Baku State University

PRESENT RESEARCH INTEREST

Main field

Nanotechnology, nanochemistry, polymer nanocomposites, probe microscopy

Other field

Ion track nanotechnology, nanotechnology in ecology

TEACHING ACTIVITY

Nanochemistry and nanotechnology

Basic of nanotechnology

Basics of atomic-force microscopy

Methods of synthesis of nanostructures

Application of nanotechnology in ecology

Physics of nanostructures

Basics of probe spectroscopy

RESEARCH PROJECT COMPLETED

2018- Project EIF Synthesis, structure and properties of nanocomposites on the base thermoplastic polymers and metal oxide nanoparticles (65000 AZN)

2015-2017Nizami project Erasmus+Higher Education International Capacity Building Project №561784-EPP-1-2015-1-FR-FR EPPKA2-CBHE-SP,Restructuring and development of doctoralstudies in Azerbaijan in line with requirements of European higher education area (994056 Euro)

2017 International innovative center of nanotechnologies of the CIS countries Project № 038/104Magneto resistive polymer nanocomposites based on PP+Fe₃O₄ and PVDF+Fe₃O₄ (625000 RUB)

2016 Grant of Matsumae International Foundation of Japan Design of magnetic polymer nanocomposites for the absorption of electromagnetic waves (11000\$)

2014-2016 ECONANO TEMPUS PROJECT №543924-TEMPUS-1-2013-1,Curriculum reform and the modernization ofecology engineering based on nanotechnology(655000 Euro)

2015 (30.04.2015) Proje №1 of Ministry of Defence Industry (55000 AZN)

2015 (30.04.2015) Proje №2 of Ministry of Defence Industry (65000 AZN)

2014 Grant EIF-Mob-3-2013-6(12)Technology of formation of nanostructures in polymer membranes modified under radiation exposure (6000 AZN)

2014 (17.03.2014) Proje №1 of Ministry of Defence Industry (43000 AZN)

2014 (17.03.2014) Proje№1 of Ministry of Defence Industry (42000 AZN)

2014(17.03.2014) Proje №1 of Ministry of Defence Industry (43000 AZN)

2013-2014 ISESCO PROJECTThe development of technology of formation quantum nanowires in polymer matrix (10000\$)

2011 Grant of CIS N 10887,Application of nanotechnology in oil extracting (500000 RUB)

2011Grant of CIS N 10886, Application of nanotechnology to collect oil from thewater surface (500000 RUB)

2010-2012 KACST - BSUAZ/01/401-30 (Saudi Arabia), Application of Nanotechnology in Oil Extracting” King Abdulaziz Foundation for Science and Technology (400000\$)

2009 Project STCU 4525 Development of medium-wave infrared LEDs and photodiodes on the basis of narrow gap materials A3B5(240000\$)

2009-2012Grant 3898 STCU,Radio ecological survey of the soil of the territory of Baku city ofAbsheron peninsular (238898\$)

2008 -2009 Grant N01(SOCAR), Application of scientific and technological bases of nanotechnology in oil extracting (30000 AZN)

2008-2009 CRDF Azerbaijan-USA Bilateral GrantInfluence of interface interaction physico-chemical properties of polymeric magnetic nanocomposites (40000\$)

MEMBER OF INTERNATIONAL SCIENTIFIC AND EDUCATIONAL SOCIETIES

1. Member of the advisory council of young scientists of the CIS
2. Head of the Council of Young Scientists of Baku State University
3. Member of preliminary seminar at the dissertation council of Physics faculty on specialty Physics of nanostructures and nanotechnologies

AWARDS AND HONORS

1. Laureate of the President of Azerbaijan Republic in the field of science and education Baku, 2014
2. International Laureate of awards Commonwealth Debuts of CIS countries for a in the field of science and education Ashgabat, Turkmenistan 2012
3. Laureate of Azerbaijan Youth of Azerbaijan Republic in the field of science and education, Baku, Azerbaijan 2011
4. Awards of rector of Baku State University for achievements in field of science, Baku State University, Baku, Azerbaijan, 2016
5. Awards of rector of Baku State University for achievements in field of science, Baku State University, Baku, Azerbaijan, 2019

INTERNATIONAL CONFERENCES, SCHOOLS, SEMINARS

1. 2019 ERASMUS+ International Mobility Programme , 01-14 April, Rome, Italy
2. 2019 Nizami Erasmus European project meeting 19-22 February, Montpellier, France
3. 2018, Annual Meeting for STAR-NET Regional Network for Education and Training in Nuclear TechnologyVienna, 19-23 November, Austria
4. 2018, Nizami Erasmus European project meeting, 23-25 April, Barcelona, Spain
5. 2017, Third General Assembly of STAR-NET, Vienna, Austria
6. 2017, Nizami Erasmus European project meeting, 2-6 October, Brno, Czech Republic
7. 2016 Nine-2016 International Conference of Nanotechnology based innovative applications of environment, 23-25 March, Rome, Italy
8. 2016 MIF Fellows Meeting, 24-27 July, Tokyo, Japan

9. 2016, Nizami Erasmus European project meeting, 12-16 December, Heidelberg, Germany
10. 2015 Econano European project meeting, 10-14 June, Patras, Greece
11. 2015 Nanotech International Conference, 15-18 June, Paris, France
12. 2015 Econano European project meeting, 29 september-02 October, Rome, Italy
13. 2015, Nizami Erasmus European project meeting, 6-10 December, Montpellier, France
14. 2014 Econano European project meeting, 01-05 October, Paris, France
15. 2013 International Summer School PEM (Proton exchange membrane fuel cells) training, 17-22 June, Bursa, Turkey
16. 2013 "Open Innovation" Moscow International Forum, 28 October-03 November, Dubna, Russia
17. 2012 VII forum of creative and scientific intelligentsia of the CIS, 14-17 October, Ashgabat, Turkmenistan
18. 2011 CIS qualification courses for young scientists, 30 January-27 february, Dubna, Russia
19. 2010 Youth scientific forum of the CIS countries Moscow State University, 12-16 April, Moscow, Russia
20. 2010 Cleanroom-training Bilkent University, National Nanoresearch Center Ankara, 21 June-06 July, Ankara, Turkey
21. 2009 Synchrotron and neutron methods of research nanosystems, 28 June-13 July, Moscow, Russia
22. 2008 Opto, nanoelectronics, nanotechnologies and microsystems conference, 21-28 August, Ulyanovsk, Russia

DIPLOMA AND SERTIFICATES

1. 2019, Certificate of completion of research stay in Japan, 17 June-22 October 2016, Tokyo, Japan
2. 2013, Certificate of attendance in the International Summer School on PEM Fuel Cells, 17-22 June, 2013, Bursa Technical Univeristy, Bursa, Turkey
3. 2011, Diploma for participation of in the training of young scientists of CIS, 01 January-31 January, 2011, Dubna, Russian,
4. 2010, Certificate of the participation of International Workshop on Cleanroom Training, Bilkent university, Institute of Materials Science and Nanotechnology, 21 June-4 July, 2010, Ankara, Turkey
5. 2010, Diploma for best innovation project of CIS countries “ Application of nanotechnology for collect of thin oil films from water surface» View of Youth, Scientific Forum, 12-14 April, Moscow State University, Russian
6. 2009, Certificate for participation in higher courses of CIS countries «Synchrotron and neutron systems», 28 June-13 July, 2009, Moscow-Dubna, Russian
7. 2009, Certificate for participation in competition «Science is beautiful» for achievements on scientific photography taken on atomic-force microscopy, Moscow, Russian
8. 2018, Certificate for participation in competition «Science is beautiful» for achievements on scientific photography taken on atomic-force microscopy, Moscow, Russian
9. 2008, Certificate for participation and highly report in the international conference «Opto, nanoelectronics, nanotechnology and microsystems, Ulyanovsk, Russian

LIST OF SELECTED PUBLICATIONS (REFEREED IN WEB OF SCIENCE).

1. M.A.Ramazanov, **F.V.Hajiyeva**, H.A.Shirinova, H.M.Mamedov The relation between the composition, structure and absorption properties of ultra-high frequency radio waves of poly (vinylidene fluoride)/magnetite nanocomposites International Journal of Modern Physics B B 33:1950083 DOI: 10.1142/S0217979219500838

2. M.A.Ramazanov, Maharramov A.M, Luca Di Palma, H.A.Shirinova, **F.V.Hajiyeva**, M.R.Hasanova Negative magnetoresistance of polymer nanocomposites on the basis of PP + Fe₃O₄ and PVDF + Fe₃O₄ in the magnetic field *Journal Ferroelectrics*, volume 537, 2018, issue 1, pages 191-197
3. M.A.Ramazanov, **F.V.Hajiyeva**, A.M.Maharramov Structure and properties of PP/TiO₂ based polymer nanocomposites *Journal Integrated Ferroelectrics* Volume 192, Issue1, Pages 103-112, 2019
4. Ramazanov M.A., Maharramov A.M., **Hajiyeva F.V**, H.M.Mamedov Microwave absorption of polymer nanocomposites on the base high-density polyethylene and magnetite nanoparticles, *Journal of Elastomers & Plastics* 2019, Vol. 51(2) 130–142
5. Mahammadali A Ramazanov, Abel M Maharramov, Rasim A Ali-zada, Habiba A Shirinova, **Flora V Hajiyeva** Theoretical and experimental investigation of the particle size distribution and magnetic properties of the PP+Fe₃O₄ nanocomposites, *Journal of Thermoplastic Composite Materials*, <https://doi.org/10.1177/0892705718804578>, First Published February 7, 2019
6. MA Ramazanov, **F.V.Hajiyeva**, Y.A.Babayev, G.V.Valadova, S.G.Nuriyeva, H.A. Shirinova Synthesis and optical properties of PVC-CdS-based nanocomposites *Journal of Elastomers&Plastics* <https://doi.org/10.1177/0095244319827989>, First Published February 14, 2019
7. Ramazanov M.A., **Hajiyeva F.V.**, Maharramov A.M., Luca Di Palma, Diana Sannino, Makoto Takafuji, Mammadov H.M., Hasanova U.A., Shirinova H.A., Bayramova Z.A. New Magnetic Polymer Nanocomposites on the Basis of Isotactic Polypropylene and Magnetite Nanoparticles for Adsorption of Ultrahigh Frequency Electromagnetic Waves **Polymer-Plastics Technology and Engineering**, volume 57, issue 5, p.449-458, 2018
8. Luca Di Palma, Irene Bavasso, Fabrizio Sarasini, Jacopo Tirillò, Debora Puglia, Franco Dominici, Luigi Torre, Armando Galluzzi, Massimiliano Polichetti, Mahammadali A. Ramazanov, **Flora V. Hajiyeva**, Habiba A. Shirinova Effect of nano-magnetite particle content on mechanical, thermal and magnetic properties of polypropylene composites **Polymer Composites** 2018, p.1742-1750
9. Ramazanov M.A., Maharramov A.M., Ali-zada R.A., Shirinova H.A., **Hajiyeva F.V.** Theoretical and experimental investigation of the magnetic properties of polyvinylidene fluoride and magnetite nanoparticles-based nanocomposites **Journal of Theoretical and Applied Physics**, vol.12, issue 1, pp.7-13, 2018
10. Ramazanov M.A., Maharramov A.M., **Hajiyeva F.V.**, Shirinova H.A., Luca Di Palma The Effect of the Temperature–Time Mode of Crystallization on the Morphology and Thermal Properties of Nanocomposites Based on Polypropylene and Magnetite **Journal of Inorganic and Organometallic Polymers and Materials**, vol.28, issue 3, p.1171-1177, 2018
11. Ramazanov M.A., Maharramov A.M., Hajiyeva F.V., Sultanova J.R., THERMAL AND MECHANICAL PROPERTIES OF PP+Fe AND PVDF+Fe BASED NANOCOMPOSITES *Journal of Optoelectronics and biomedical materials* **Vol. 10, No. 3, p. 83-90, 2018**
12. A.M.Maharramov, M.A.Ramazanov, S.Q.Nuriyeva, U.A.Hasanova, **F.V.Hajiyeva** Influence of preparation technology-cristallisation temperature-time regime on supramolecular structure and properties of PP/Ag₂S nanocomposites *Journal of Optoelectronics and biomedical materials* **Vol. 10, No. 2, p. 37-42, 2018**
13. Ramazanov M.A., Alizade R.A., Maharramov A.M., **Hajiyeva F.V.**, Sultanova J.R., Shirinova H.A. Theoretical and Experimental Study of the Magnetic Properties and Size of Distribution of PVDF+Fe Based Nanocomposites **Journal of Inorganic and Organometallic Polymers and Materials**, Volume 28, Issue 5, pp. 2179-2186 2018
14. M.A.Ramazanov, **F.V.Hajiyeva**, A.M.Maharramov, and U.A.Hasanova Effect of corona discharge on the structure and photoluminescence properties of nanocomposites based on polypropylene (PP) and zirconium dioxide (ZrO₂) nanoparticles **J. Ferroelectrics** 2017, Vol. 507, 1–6
15. Ramazanov M.A., **Hajiyeva F.V.**, Maharramov A.M., Ahmadova A.B., Nuriyev M.A., Hasanova U.A., Rahimli A.M. The influence of corona discharge on the electret properties and charge state of polymer nanocomposites based on isotactic polypropylene and titanium dioxide nanoparticles (TiO₂). International Conference **Modern trends in physics** 20-22 April, 2017, p.19-23
16. A.M.Maharramov, Ramazanov M.A., **Hajiyeva F.V.**, S.G.Nuriyeva Structure and dielectric properties of polymer nanocomposites on the basis of polypropylene and silver sulfide PP/Ag₂S International Conference **Modern trends in physics** 20-22 April, 2017, p.7-11

17. A.M.Maharramov, M. A.Ramazanov, Luca Di Palma, H.A.Shirinova, **F.V.Hajiyeva** The influence of magnetite nanoparticles on dielectric properties of metaloxide-polymer based nanocomposite, p.11-14, International Conference **Modern trends in physics**20-22April, 2017
18. M.A.Ramazanov, A.M.Maharramov, S.G.Nuriyeva, U.A.Hasanova, F.V.HajiyevaInfluence of preparation technology-crystallization temperature-time regime on supramolecular structure and properties of PP/Ag₂S nanocomposites.**Journal of Optoelectronic and Biomedical Materials** Vol. 10, No. 2, April – June 2018, p. 37 - 42
19. Maharramov A., Ramazanov M., Di Palma L., Hajiyeva F., Shirinova H., Hasanova U. Role of Structure of the Pp/magnetite Nanocomposites on Their Thermal Properties **CHEMICAL ENGINEERING TRANSACTIONS**vol 60, 2017, p.55-60
20. M.A.Ramazanov, **F.V.Hajiyeva**,A.M.Maharramov, U.A.Hasanova, A.M.Rahimli The role of the polarization charges in the formation of photoluminescent properties of nanocomposites based on polyvinylidene fluoride and zirconia dioxide nanoparticles **Integrated Ferroelectrics** 2017, Vol.185, 1-8
21. M.A.Ramazanov, **F.V.Hajiyeva**,A.M.Maharramov, A.M.Rahimli Influence of polarization charges on the photoluminescence properties of nanocomposites based on polyvinylidene fluoride and titanium dioxide nanoparticles **J InorgOrganometPolym**, vol.27, issue 1, p.239-243, 2017
22. AygulA.Novruzova, MahammadaliA.Ramazanov, Angelo Chianese, Abel M. Maharramov, Flora V.Hajiyeva, UlviyyaA.Hasanova Synthesis, Structure and Optical Properties of PP+PbS/CdS Hybrid Nanocomposites **CHEMICAL ENGINEERING TRANSACTIONS**, vol 60, 2017, p.61-66
23. **F.V.Hajiyeva**,M.A.Ramazanov, A.M.Maharramov, U.A.Hasanova, A.M.Rahimli Influence temperature time mode of crystallization on the structure and properties of nanocomposites based on polyvinylidene fluoride (PVDF) and zirconium dioxide nanoparticles (ZrO₂)**Journal of Optoelectronics and Biomedical Materials** volume 9, issue1, p.1-7, 2017
24. M.A.Ramazanov, **F.V.Hajiyeva**, A.M.Maharramov, A.B.Ahmadova, U.A.HasanovaA.M.Rahimli and H.A.Shirinova Influence of polarization process on morphology and photoluminescence properties of PP/TiO₂ nanocomposites **ActaPhysicaPolonica A**, Vol.131, p.1540-1543, 2017
25. HabibaShirinova, Luca Di Palma, FabrizioSarasini, Jacopo Tirillò, Mahammadali A. Ramazanov, **Flora Hajiyeva**, Diana Sannino, Massimiliano Polichetti, Armando Galluzzi Synthesis and Characterization of Magnetic Nanocomposites for Environmental Remediation **Chemical Engineering Transactions**, Vol.47, 2016
26. A.M.Maharramov, M.A.Ramazanov, **F.V.Hajiyeva**A structure and dielectric properties of nanocomposites based on isotactic polypropylene and lead sulphide nanoparticles.**Journal Chalcogenide Letters**, Volume 13, Issue 1, pages 35-40, 2016
27. A.M.Maharramov, M.A.Ramazanov, J.R.Sultanova, **F.V.Hajiyeva**, U.A.HasanovaThe structure and dielectric properties of nanocomposites based on isotactic polypropylene and iron nanoparticles **Journal of Optoelectronics and Biomedical Materials** Vol. 8, No. 3, July - September 2016 p. 113 – 118
28. A.M.Maharramov, M.A.Ramazanov, J.R.Sultanova, **F.V.Hajiyeva**, U.A.HasanovaThe magnetic polymer nanocomposite materials based on polypropylene and iron nanopartilces: Synthesis and structure Journal of Ovonic Research Vol. 12, No. 4, July - August 2016, p. 193 – 200
29. A.M.Maharramov, M.A.Ramazanov, S.Q.Nuriyeva, U.A.Hasanova, **F.V.Hajiyeva**Preparation and study of nanocomposite structures based on polypropylene and silver sulphide**Chalcogenide Letters** Vol. 13, No. 7, July 2016, p. 317–324
30. A.M.Maharramov, M.A.Ramazanov, A.B.Ahmadova, **F.V.Hajiyeva**, U.A.HasanovaThermal and mechanical properties of polymer-based nanocomposites of isotactic polypropylene and titanium nanoparticles **Digest Journal of Nanomaterials and Biostructures** Vol. 11, No. 2, April - June 2016, p. 365 – 372
31. A.M.Maharramov, M.A.Ramazanov, A.B.Ahmadova, **F.V.Hajiyeva**, U.A.HasanovaThe structure and dielectric properties of nanocomposites based on isotactic polypropylene and titanium nanoparticles **Digest Journal of Nanomaterials and Biostructures** Vol. 11, No. 3, July – September 2016, p. 781 – 786
32. UlviyyaHasanova, MahammadaliRamazanov, Abel Maharramov, ZaremaGakhramanovaSarvinazHajiyeva, QonchaEyvazova, Leyla Vezirova, **Flora Hajiyeva**, MatanatHasanova, NarminaGuliyeva Synthesis of Macrocycle (MC)–Mimics the Properties of Natural

- Siderophores and Preparation the Nanostructures on the Basis of MC and Magnetite Nanoparticles **CHEMICAL ENGINEERING TRANSACTIONS** VOL. 47, 2016
33. Tetyana Kisyelova, Aygul Novruzova, Flora Hajiyeva, Mahammadali Ramazanov, Angelo Chianese Effect of the Reactor Configuration on the Production of Silver Nanoparticles **CHEMICAL ENGINEERING TRANSACTIONS** VOL. 47, 2016
 34. M.A. Ramazanov, **F.V. Hajiyeva**, A.M. Maharramov Influence of corona discharge on the electret and charge states of nanocomposites based on isotactic polypropylene and zirconium dioxide nanoparticles **J. Ferroelectrics** Volume 493, Issue 1, p. 103-109, 2016
 35. A.M. Maharramov, M.A. Ramazanov, **F.V. Hajiyeva**, S.S. Amirov Investigation the structure and dielectric properties of PP+PbS nanocomposites synthesized on the basis of polypropylene polymer irradiated by accelerated heavy ions **Journal of Optoelectronics and Biomedical Materials**, Volume 8, 1, January-march 2016, p.15-20
 36. Ulviyya Alimammad Hasanova, Mahammadali Ahmad Ramazanov, Abel Mammadali Maharramov, Zarema Gakhramanova, Sarvinaz Faiq Hajiyeva, Leyla Vezirova, Goncha Malik Eyvazova, **Flora Vidadi Hajiyeva**, Parvana Huseynova, Zohrab Agamaliyev The functionalization of magnetite nanoparticles by hydroxyl substituted diazacrown ether, able to mimic natural siderophores, and investigation of their antimicrobial activity **J Incl Phenom Macrocycl Chem**, 2016, p.1-7
 37. Mahammadali Ahmad Ramazanov, Abel Mammadali Maharramov, **Flora Vidadi Hajiyeva**, Feyza Kıracı, Olgun Güven Morphology, Mechanical and thermal properties of nanocomposites based on isotactic polypropylene and zirconium dioxide nanoparticles **Revista Română de Materiale/Romanian Journal of Materials** 2016, 46 (3), 375–382
 38. Ulviyya Alimammad Hasanova, Mahammadali Ahmad Ramazanov, Abel Mammadali Maharramov, Qoncha Malik Eyvazova, Solmaz Bayram Veliyeva, Yana Vacheslav Parfyonova, Sarvinaz Faiq Hajiyeva, **Flora Vidadi Hajiyeva**, Narmina Arthur Guliyeva The Improvement of Antimicrobial Activity of Kanamycin and Ciprofloxacin Antibiotics Coupled With Biocompatible Magnetite Nanoparticles and Characterization of Their Structure **Journal of Nanotechnology in Engineering and Medicine**
 39. A.M. Magerramov, M.A. Ramazanov, S.G. Nuriyeva, **F.V. Hajiyeva**, U.A. Hasanova Structure and photoluminescence properties of polymer nanocomposites on the basis of polypropylene PP+Ag₂S **Journal of Optoelectronics and Biomedical Materials** Vol. 7, Issue 2, April - June 2015 p. 39 – 45
 40. M.A. Ramazanov, A.S. Huseynova, **F.V. Hajiyeva** Influence of electrothermopolarization on structure and photoluminescent properties of polypropylene and MnO₂-based nanocompositions **Journal of Ovonic Research** Vol. 11, №1, January-February 2015, p.35-39
 41. A.M. Maharramov, M.A. Ramazanov, A.I. Ahadova, M. Kloor, Juergen Kopitz, M. Von Knebel Doeberitz, A.L. Shabanov. Q.M. Eyvazova, Z.A. Agamaliyev, **F.V. Hajiyeva**, S.B. Veliyeva, U.A. Hasanova Preparation of 2-deoxy-d-glucose coated spio nanoparticles and characterization of their physical, chemical and biological properties. **Digest Journal of Nanomaterials and Biostructures** Vol. 9, No. 4, 2014, p. 1461–1469
 42. A.M. Magerramov, M.A. Ramazanov, **F.V. Hajiyeva** Structure and dielectric properties of nanocomposites on the basis of high-density polyethylene and lead sulfide. **Chalcogenide Letters** Vol. 11, No. 4, 2014, p. 175–180
 43. A.M. Magerramov, M.A. Ramazanov, **F.V. Hajiyeva**, V.M. Guliyeva Investigation of structure and electrophysical properties of nanocomposite materials on the basis of zirconium dioxide in isotactic polypropylene matrix. **Journal of Ovonic Research** Vol.9, №5, September-October 2013, p.133-141
 44. A.M. Magerramov, M.A. Ramazanov, **F.V. Hajiyeva** Study of the Structure and Dielectric Properties of Nanocomposites Based on Polypropylene and Zirconia Nanoparticles ISSN 1068_3755, **Surface Engineering and Applied Electrochemistry**, 2013, Vol. 49, No. 5, pp. 355–358. © Allerton Press, Inc., 2013
 45. A.M. Magerramov, M.A. Ramazanov, **F.V. Hajiyeva** Properties and structure formation of cadmium sulfide nanocomposites with polypropylene **Journal Optoelectronics and Advanced Materials, – Rapid Communications** v. 2 № 11 2008 743-746
 46. A.M. Magerramov, M.A. Ramazanov, **F.V. Hajiyeva** Role of phase interactions in formation of fotoluminescent and dielectric properties of polymeric nanocomposites **Journal Optoelectronics and Advanced Materials. – Rapid Communications**, v.3, № 12-2009 432

47. M.A.Ramazanov, A.S.Quseynova, **F.V.Hajiyeva** Influence of temperature and time regimes of crystallization and electrothermopolarization on the physical structures of polypropylene and MnO₂-based composition **Journal Optoelectronics and Advanced Materials. –, Rapid Communications** v.3 №11-2009, p.1204-1206
48. A.M.Magerramov, M.A.Ramazanov, **F.V.Hajiyeva** Influence of electrothermopolarization on the strength and photoluminescent properties of nanocomposites on basis polypropylene and cadmium sulfide. **J.. Surface Engineering and Applied Electrochemistry**, 2011 №5, p. 120-123
49. A.M.Magerramov, M.A.Ramazanov, **F.V.Gadzhieva**, S.G.Alieva The effect of the temperature-time mode of crystallization on the morphology and properties of nanocomposites based on polypropylene and cadmium sulfide. **J.. Surface Engineering and Applied Electrochemistry**, 2011, Vol.47, pp.428-432

PUBLICATION IN REVIEW PAPERS:

1. A.M.Magerramov, M.A.Ramazanov, **F.V.Hajiyeva** "Photoluminescence in the polymer nanocomposites on the basis of PP + CdS". The Journal of American Science, Volume 3.Number 4, December 1, 2007, ISSN 1545-1003. p. 62-67 USA
2. A.M.Magerramov, M.A.Ramazanov, **F.V.Hajiyeva**, P.B.Agakishiyeva The Influence of the microstructure on magnetic characteristic polymeric nanocomposites on base PE+Fe₃O₄. J.Plastics, 2008 № 10
3. A.M.Magerramov, M.A.Ramazanov, **F.V.Hajiyeva** Structure and photoluminescence properties of nanocomposites based on cadmium sulfide and polypropylene .J. Physics and Chemistry of Materials Processing №1, 2008, стр. 71-74 Russian
4. A.M.Magerramov, M.A.Ramazanov, **F.V.Hajiyeva**, R.A.Alizade Formation of the structure of magnetic-based nanocomposites PE+ Fe₃O₄ and PVDF+Fe₃O₄, J.Nanotechnics, №3, 2009 Russian
5. A.M.Magerramov, M.A.Ramazanov, **F.V.Hajiyeva**, The structure of the nanocomposites based on polyvinylidene fluoride and cadmium sulfide №21, 2010, p.81-85 Russian
6. A.M.Magerramov, M.A.Ramazanov, **F.V.Hajiyeva**, Photoluminescent properties of nanocomposites based on PVDF + CdS and PP + CdS. J. Applied Physics №3, 2011, p.107-109. Russian