RAMAZANOV MAHAMMADALI AHMED

Date and place of birth:
October 31, 1958, Spitak, Armenia
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Baku State University, Azerbaijan

Biography

M.A. Ramazanov is currently working as a researcher at Baku State University, Azerbaijan.Ramazanov's research focuses on Nanoengineering, Nanobiotechnology, Biochemistry, Drug Delivery, Cell biology, Nanomedicine, Bionanoscience, Nanotechnology, Nanoparticles and Nanomaterial. M.A. Ramazanovhas coauthored and published many research articles in various national and international scientific journals.

Research Interest

Ramazanov's research focuses on Nanoengineering, Nanobiotechnology, Biochemistry, Drug Delivery, Cell biology, Nanomedicine, Bionanoscience, Nanotechnology, Nanoparticles and Nanomaterial

UNIVERSITY EDUCATION AND ACADEMIC DEGREES OBTAINED

2012: Professor The academic title of Professor in the Spesiality of Chemical Physics, from the supreme attestation commission atteched to the president of the republic of Azerbaijan
2009: D.Sc. Baku State University, Baku
2000: The senior scientific employee in 2000 from, the supreme certifying commission
1989: Ph.D., Institute of Physics, Azerbaijan National Academy of Sciences, Baku
1980: M.S., Faculty of Physics, Baku State University, Baku
From 1975 to 1980: student, Faculty of Physics, Baku State University

COMPLETE PROFESSIONAL BACKGROUND

2012 Dean faculty of Physics
2006 Head Department of Chemical Physics of Nanomaterials
2005: Deputy director, Institute for Physical Problems, Baku State University, Baku
2005: Head of Nano Research Center, Baku State University
2004: Deputy director, Institute for Space Research, Azerbaijan National Academy of Sciences (ANAS)
2003- principal researcher at Institute of Physics NASA
1992-2003 – senior researcher at the Institute of Physics NASA
1986-1992 – the head of laboratory of SDB under Institute of Physics NASA
1983-1987 – post-graduate student at the Institute of Physics NASA

1982-1986 – researcher at the Special Designing Buro (SDB) under Institute of Physics NASA
1980-1982 – junior researcher of Institute of Physics NASA

PRESENT RESEARCH INTERESTS

(i) **main field**
Nanotechnology, Semiconductor and dielectric physics,
(ii) **Other fields**
Medical physics, Physical bases of energy converters
(iii) **current research interest**
Scientific area: physics of composite materials, development of physical-technological bases for active composites and transducers, including ones for medical purposes
Ph. D. STUDENTS
2005, Mustafayev Zaur Eldar oglu, Thesis: "Influence of a charge a condition and interphase interactions on strength properties of polymeric compositions on a basis polymer–piezoelectric"
2007. Ibrahimova Hicran Seferxan q Thesis:" Influence of preliminary electroprocessing on strength and dielectric properties of a composition on the basis of polymer-piezoceramic"
2010.Huseynova Aybeniz Sabir q. Formation regularities of polyolefine electret state modified by additions of low-molecular dye-stuffs
2010. Hajiyeva Flora Vidadi q. Formation of structure and research of properties nanocompositions on the basis of cadmium sulfide with polypropylene and polyvinyedenefluoride
2011. Mohammad Reza Saboktakin Synthezis and Characterization of Nanocomposites based on Polyfunctional Composites
2013. Karimova Aynure Khidayet qizi Structure and photoluminescence of nanocomposites based on zinc sulphides with polypropylene and poly(vinylidene fluoride)
2014. Asilbeyli Parvana Babakishi qizi Role of interphase interactions in formation of structure and properties of the polymeric magnetic nanocomposites
2015. Ali Tawfik Mahmood Mohammed The application of overlap integrals over slater type orbit**l** on study of properties of $(CdS)_n$ nanopartilusters
2015. Aynure Alisa kizi Hadiyeva Influence structure of nanocomposites polyproplene+nanoclay of D_{k1} to their strength and electrophysical properties
2017. Sevinc Qərib kızı Nuriyeva Features of formation of Ag_2S nanoparticles in the polypropylene matrix modified vy gamma rays and electric gaz dischharge
2018. Aidə Baba kızı A<u>h</u>madova The strukture and properties **of** PP+Ti and PVDF+Ti polymer nanokomposites
2018.Habiba Aslan kizi Shirinova Obtaining, structure and properties of the PP+Fe_3O_4 and PVDF+Fe_3O_4 nanocomposites

AWARDS AND HONORS

Progress Medal, in 2019
The Medal "**In Commemoration of the 100th Anniversary of BSU**, in 2019
Web of Science Awards 2018, in the category of the most productive authors in natural Sciences Azerbaijan Republic Advanced Education
Worker Medal of Sapienza University, in 2014
The honorary title "**Scholar of the Year**" by the decision of the Academic Council of BSU, in 2012
The honorary title "**Dean of the Year**" by the decision of the Academic Council of BSU, in 2013
The honorary title "**Scholar of the Year"** by the decision of the Academic Council of BSU, in 2010
Honorary Decree for his Scientific Success, in 2009
Honorary Decree of the Ministry of Education for 90th anniversary of BSU
The honorary title "**Head of Department of the Yea**r", 2008

RESEARCH PROJECTS COMPLETED

1. Azerbaijan-USA Bilateral Grants Program Influence of Interphase Interactions on Physico-Chemical Properties of Polymeric Magnetic Nanocomposites" Azerbaijan head of grant project: 40000,0$
2. Radio ecological survey of the soil of the territory of Baku city of Absheron peninsula Proje STCU №3998 238898,0$
3. Diffusion and ion-exchanged processes in nanoparticles chalcogenide semiconductors formed in polymer matrix Proje STCU № 3486 213950,0$
4. Scientifically-technological bases application nanotechnology oil extractings Proje SOCAR-BSU 30000,0AZN
5. Interactions of nanoparticles with membrane systems of cells of higher water plants - towards mechanisms of nano-phytotoxicity. Proje Swiss National Science Foundation 100000,0$
6. Application of nanotechnology in oil extracting KACST-BSUAZ/01 King Abdulaziz City for Science and Technology (Saudi Arabia) 442000,0$
7. Proje № 10887 JINR (Russian Federation) 500000 rubl
8. Proje № 10886 JINR ((Russian Federation) 500000 rubl
9. Proje Erasmus+-Capacity- building in Higher Education №561784-EPP-1-FR-EPPKA2-CBHE-SP "Restructuring and development of doctoral studies in Azerbaijan in line with requirements of European higher education area 994056,0 EUR
10. Innovative Training Center to support a 3rd cycle Advanced Education Course to face Environmental Emergency in Azerbaijan proje Erasmus+, 956987,00 EUR
11. 2018-Project EİF-BGM-3-BRFTF-2+/2017-15/06/1-M-03Composite materials based on ferromagnetic ferrous oxide nanoparticles and multilayer carbon nanotubesfor the absorption of microwaves (65000 AZN)
12. 2018- Project EIF Synthesis, structure and properties of nanocomposites on the base thermoplastic polymers and metal oxide nanoparticles (65000 AZN)
13. Proje EİF-2011-1(3)-82/29-M-79 30.12.2011-ci il "Influence of magnetic field to mechanic, thermodynamic and electrical properties of nanocomposites on the base of polymer and nanomagnetite" SCİENCE DEVELOPMENT FOUNDATİON UNDER THE PRESİDENT OF THE REPUBLİC OF AZERBAİJAN 15000 AZN
14. 2014-2016 GRANT TEMPUS CURRİCULUM REFORM AND THE MODERNİZATİON OF ECOLOGY ENGİNEERİNG BASED ON NANOTECHNOLOGY, ECONANO 655000 EURO
15. PROJE № 080-196 JINR (RUSSIAN FEDERATION) 400000,0 RUBL
16. PROJE № 080-201 JINR (RUSSIAN FEDERATION) 500000,0 RUBL
17. PROJE № 01 17.03.2014 MINISTRY OF DEFENSE INDUSTRY 42000AZN
18. PROJE № 02 17.03.2014 MINISTRY OF DEFENSE INDUSTRY 43000AZN
19. PROJE № 03 17.03.2014 MINISTRY OF DEFENSE INDUSTRY 45000AZN
20. PROJE № 1 30. 04. 2015 MINISTRY OF DEFENSE INDUSTRY 55000AZN
21. PROJE № 2 30.04.2015 MINISTRY OF DEFENSE INDUSTRY 65000AZN

Contributions in Books:

1. A.M.Magerramov, M.A.Ramazanov, L.I. Valiyeva Nanotechnology Publ., 232 (2007) Baku
2. M.A. Ramazanov, A.Q. Hasanov Laboratory work on nanotechnology Publ. p.223 (2009) Baku
3. M.A.Ramazanov S.Achundov, L.I.Valiyeva Physics and History of physicists

4. Naoya Kobayasi Nanotexnologiyaya giriş Tərcumə prof. Ramazanov M.Ə. Vəliyeva L.İ.Müəllim nəşriyyatı, 2013, 116 səh.
5. Abel Maharramov, Mahammadali Ramazanov, Mohammad Reza Saboktakin Advanced Nanocomposites Types,Properties, and Applications Nova Publisher, Nyu York, 2013, 334 p.
6. Ulviyya A. Hasanova Abel M. Maharramov, Mahammad Ali Ramazanov Nanostructures for Antimicrobial Therapy—The Modern Trends in the Treatment of Bacterial Infections In book: Antimicrobial Nanoarchitectonics, pp.445-473 17 Chartes
7. Huseyn Mamedov, Maarif Jafarov, Mahammadali Ramazanov Radiophysics. 2018, p.208, Publishing house "Muallim"

Member of Editorial Board

1. Trends in Nanotechnology & Material Science
2. Frontiers in Biomedical Nanoscience & Nanotechnology (FBNN)
3. Editor News of Baku State University, A series of physical and mathematical sciences
4. Journal of Progress in Petrochemical Science
5. Qafqaz journal
6. LOW DIMENSIONAL SYSTEMS journal
7. Journal of "New Materials, Compounds and Applications"

MEMBER OF INTERNATIONAL SCIENTIFIC AND EDUCATIONAL SOCIETIES

1. Member of American Nano Society
2. Honor member associatin of professional chemists of Georgia
3. Member of the International Council of Scientific-the worldwide organization of personalities of the highest qualification in the area of education and science
4. Member Presidium Regional Network for Education and Training in Nuclear Technology

INTERNATIONAL CONFERENCES, SCHOOLS, SEMINARS

2019 International Conference «Modern Trends in Physics», Baku, Azerbaijan
2018. International Conference of Young Scientists Problems of Physics and Astronomy, Baku, Azerbaijan
2017. International Conference «Modern Trends in Physics», Baku, Azerbaijan
2016 NINE International Conference on Nanotechnology based Innovative Applications for the Environment
2015 The 19-th International Pushchino school conference of young scientists Biology – the science of the XXI century
2014 Nano-Tera .ch Annual Plenary Meeting, May 20th ,2014, EPFL, Lausanne
2014 Faraday Discussion 175, Royal Society of Chemistry, Bristol, Ingland, 17-19 September
2013 VII Международная конференция «Фуллерены и наноструктуры в конденсированных средах»
2013 Swiss conference – Swiss Soft Day, March 4th, 2013, Villigen
2013 1st International chemistry and chemical engineering conference 2013, Baku
2012. The international forum "Innovations. The CIS. The future Dubna-Moscow
2012 4-6 april Fryazino VIII International conference Nanotechnology for Industry
2011 ROAD-SHOW "СНГ: A Partnership in Innovation "on December 7-8, 2011. Baku, Azerbaijan
2011 2 International conference on organic chemystry "Advances in heterocyclic Chemistry" GeoHet-2011 September 25-27 Tbilisi, Georgia
2011 E-MRS 2011 SPRING MEETING, May 9-13, 2011, Nice, France
2011 Minsk, Belarus VI International symposium "Fullerenes and Nanostructures in Condensed Matter".
2010 Phoenix, Arizona, WM Symposia-2010, İproving the Future by Dealing with the Past March 7-11,
2010 3rd International Scientfic Research Conference of the Universities April 23-24
2010, Moscow, Russia The international congress the Medical physics

2010 VII International conference Amorphous and microcrystalline semiconductors Sankt Peterburq
2009,december, Moscow, Russia, ; Nanotechnology for Industry
2009, august, Ulyanovsk, Russia; “Opto-, nanoelektronics,nanotechnology and Microsystems”
2008, September, Romania, Forth International Conference on Technical and Physical Problems of Power Engineering
2008, august, Ulyanovsk, Russia; “Opto-, nanoelektronics,nanotechnology and Microsystems”
2008,december, Moscow, Russia, ; Nanotechnology for Industry
2008 October Tabriz, Iran 2nd International Congress on Nanoscience Nanotechnology
2007, 7-8 March, Tehran, Iran; “The first Congress of Nanotechnology and itsApplications in Petroleum, gas and Petrochemical Industries”
2007, august, Ulyanovsk, Russia; “Opto-, nanoelektronics,nanotechnology and Microsystems”
2006, June, Ulyanovsk, Russia; “Opto-, nanoelektronics,nanotechnology and Microsystems”
2006, May, Ankara, Turkey; 3rd International Conference on Technical and Physical Problems in Power Engineering
2005, November, Moscow, Russia; Nanotechnology for Industry
2004, September, Volgograd, Russia; International Conference “New perspective materials and technologies of their reception”
2004, September, Tabriz, Iran; 2nd International Conference on “Technical and Physical Problems in Power Engineering”
2003, September, Tuapse, Russia; 15th All-Russia Symposium on “Modern chemical physics”
2003, July, Ulyanovsk, Russia; The 5-th International Conference “Optics, optoelectronics and technology”
2003, September, Almaty, Kazakhstan; 4th International Conference “Nuclear and radiation physics”
2002, May, Moscow, Russia; XVII International Conference on “Photoelectronics and devices of night vision”
2002, May, Moscow, Russia; XVII International scientific and technical physics On photo electronics and devices of night vision
2001, October, Yamagata, Japan; ICAPP-Polymer Conference
2001, September, Eilat, Israel; 6th International Symposium “Polymer for Advance technologies”
2000, May, Prague, Czech Rep.; 40th Micro symposium “Polymer in medicine”
1991, September, Moscow, Russia; Actual problems of signets and piezoelectric materials and their role in the scientific Technical Progress acceleration
1989, October, Rostov-on-Don, Russia; XII All-Union Conference on segnetoelectrics physics
1988, July, Varna, Bulgaria; XI International Conference on Fluidic
1987, Moscow; III All-Union Conference ″Actual problems of signets and piezoelectric Materials and their role in the scientific Technical Progress acceleration
1986, Kiev, Ukraine; XI All-Union Conference on segnetoelectrics physics
1984, October, Moscow; II All-Union Conference ″ Actual problems of signets and Piezoelectric materials production

PATENTS

1. Electrets 1124782 Patent USSR
2. Way of reception electret and polymeric films 1184386 Patent USSR
3. Piezoelectric composition 1240305 Patent USSR
4. Polymeric composition 1215347 Patent USSR
5. Way of reception of piezoelements from polymeric composite piezomaterials 13532237 Patent USSR
6. Piroelektric polymeric composition 1299121 Patent USSR
7. Composite material for pozistors 1375002 Patent USSR
8. Way of reception of a material for piezoelements 1482163 Patent USSR
9. Piezoelectric composition 1523558 Patent USSR

10. Piezoelectric microphone 1592957 Patent USSR
11. Way of reception of composite photoresistors 1641834 Patent USSR
12. Photovoltaic compositions 1637610 Patent USSR
13. Composite piroelectric material 135727 Patent USSR
14. Polymeric composition Patent Patent Azerb.Republic №990109
15. Antistatic polymeric composition Patent Azerb.Republic №990108
16. Magnitodielektrical composition Patent Azerb.Republic №990107
17. Way of reception electroizilyation material Patent Azerb.Republic I 2003 0066
18. Photoluminescent composite material Patent Azerb.Republic 20050105
19. Photoluminescent polymeric composite material Patent Azerb.Republic 20050106
20. Material for electrets Patent Azerb.Republic İ 2007 0059
21. Composite material for oil extraction on old oil chinks Patent Azerb.Republic I 2008 0069
22. Nanoquruluşlu 90Bi2Te3-10Bi2Se3 nazik təbəqəsinin alınması üsulu İ2017 0008

LIST OF SELECTED PUBLICATIONS

PUBLICATIONS IN REFEREED JOURNALS Journals ISI Thomson Reuters

1. **М. А. Рамазанов, Дж. Р. Султанова** Структура и диэлектрические свойства полимерных нанокомпозиционных материалов на основе железа в матрице поливинилиденфторида Электронная обработка материалов, 2019, 55(5), 38–42.
2. **M.A.Ramazanova, H.A.Shirinovaa, Luca Di Palmab, A.M. Maharramova** Structure and Electrophysical properties of poyvinyldene fluoride (PVDF) /magnetite nanocomposites **Journal of Thermoplastic Composite Materials, 2019, DOI: 10.1177/0892705718804578**
3. **M.A.Ramazanov, F.V.Hajiyeva, A.M.Maharramov,** Structure and properties of PP/TiO2 based polymer nanocomposites. INTEGRATED FERROELECTRICS, 2018, VOL. 192, 103–112, https://doi.org/10.1080/10584587.2018.1521658
4. **M.A.Ramazanov, A.M.Maharramov, C.R.Sultanova** Magnetoresistance effect in PP+Fe based nanocomposite system, **Integrated Ferroelectrics**, **Vol 192, , 2018, VOL. 192, 141–145, https://doi.org/10.1080/10584587.2018.1521662**
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+Fe_3O_4 NANOCOMPOSITES" **Journal of Thermoplastic Composite Materials,** DOI: 10.1177/0892705718796542
6. **M.A.Ramazanov, A.M.Maharramov, Angelo Chianese, F.V. Hajiyeva, A.A.Novruzova, G.Y.Maharramova**, STRUCTURE AND PHOTOLUMINISSENCE PROPERTIES OF HYBRID NANOCOMPOSITES ON THE BASE OF PP/PbS/CdS" Journal Integrated Ferroelectrics, V. 201, 2019

7. **M.A. Ramazanov, F.V.Hajiyeva** Structure and optical properties of polymer nanocomposites on the base PP/PbS, Journal of Inorganic and Organometallic Polymers and Materials 2019 , https://doi.org/10.1007/s10904-019-01176-2.
8. **Nobuo Yamada, Hiroki Noguchi, Yoshifumi Orimoto, Yutaka Kuwahara, Makoto Takafuji, Shaheen Pathan, Reiko Oda, Almara Mahammadali Rahimli, Mahammadali Ramazanov and Hirotaka Ihara** Emission color control in polymer film by memorized fluorescence solvatochromism due to a new class of totally organic fluorescent nanogel particles Chemistry - A European, **Volume 25, Issue 43, Pages: 10021-10245, August 1, 2019,** Journal 2019,
9. **M.A.Ramazanov, F.V.Hajiyeva, H.A.Shirinova, H.M.Mammedov**, The relation between the composition, structure and absorption properties of ultra-high frequency radio waves of poly(vinylidene fluoride)/magnetite nanocomposites" Journal of Modern Physics B. Vol. 33, No. 10 (2019) 1950083, 1-16
10. **M.A. Ramazanov, F.V. Hajiyeva, Y.A. Babayev, G.V. Valadova, S. G. Nuriyeva and H.A. Shirinova** Synthesis and optical properties of PVC-CdS based nanocomposites Journal of Elastomers & Plastics. 2019. DOI:0095244319827989
11. **Z.A. Agamaliyev, M.A. Ramazanov, G.K. Azhdarov**, A Model for Crystal Growth of Solid Solutions in the InAs–GaAs System by a Modified Floating-Zone Technique, **j. Inorganic Materials,** 55 (3), 205-209, 2019
12. **M.A.Ramazanov, F.V.Hajiyeva** "Metallopolymer nanocomposites based on PP/ Ni: structure and electrophysical properties." Acta Physica Polonica A. Vol. 136 (2019), №3, p.513-519
13. **Gunay G. Valiyeva , Luca Di Palma , Irene Bavasso , Sevinj R. Hajiyeva , Mahammadali A. Ramazanov , Flora V. Hajiyeva** Synthesis of Fe/Ni bimetallic nanoparticles and application to the catalytic removal of nitrates from water, Nanomaterials 2019, 9, 1130; doi:10.3390/nano9081130, p.1-13,
14. **M.A.Ramazanov. H.A.Shirinova, F.V.Hajiyeva, A.Kh.Karimova** STRUCTURE AND MAGNETIC PROPERTIES OF PP+ Fe_3O_4 NANOCOMPOSITES DEPENDING ON MANUFACTURING TECHNIQUES" International Journal of Modern Physics B : Vol. 33 (2019) 1950315 (11 pages)JPB20076046.
15. **M.A.Ramazanov, A.M.Rahimli** THE STUDY OF THE MORPHOLOGY AND DIELECTRIC PROPERTIES OF PVC+TiO_2 BASED NANOCOMPOSITES j. Integrated Ferroelectrics Vol 201, 2019
16. **M.A.Ramazanov. H.A.Shirinova, F.V.Hajiyeva, A.Kh.Karimova** INFLUENCE OF TEMPERATURE-TIME MODE OF CRYSTALLIZATION ON ELECTROPHYSICAL CHARACTERISTICS OF THE POLYPROPYLENE/MAGNETITE NANOCOMPOSITE journal Integrated Ferroelectrics. Integrated Ferroelectrics Vol 201, 2019
17. **M.A.Ramazanov, H.A.Shirinova.** FLUCTUATION OF THE MAGNETIC MOMENT OF MAGNETITE PARTICLES DEPENDING ON THE SIZE OF PARTICLES, Modern Trends in Physics-Series, p. 68-75, 2019, Proceedings Paper
18. **MA Ramazanov, H.S. Ibrahimova, F.V. Hajiyeva** INFLUENCE OF ELECTROTHERMOPOLARIZATION CONDITIONS ON STRENGTHAND ELECTRET PROPERTIES OF PP+ZrO_2 NANOCOMPOSITIONS, Modern Trends in Physics-Series, p.76-79, Proceedings Paper
19. **EA Salakhova, D.B. Tagiyev, M.A. Ramazanov, Z.A. Aghamaliyev, K.F. Ibrahimova, P.E. Kalantarova** ELECTROCHEMICAL OBTAINING OF SELENIUM-CONTAINING RHENIUM CLUSTERS , Modern Trends in Physics-Series, p.109-112, Proceedings Paper
20. **G.G. Valiyeva, L.Di Palma, S.R. Hajiyeva, M.A. Ramazanov, F.V.Hajiyeva** Fe/Pd BIMETALLIC NANOPARTICLES IN WATER REMEDIATION AND NITRATES TREATMENT, Modern Trends in Physics-Series, p.137-140, Proceedings Paper

21. **A.I.Ahmadov,M.A. Ramazanov** INTERACTION OF PROTEIN AND STARCH MOLECULES WITH NANOPARTICLES, Modern Trends in Physics-Series, p.180-185, Proceedings Paper
22. I.S.Ahmadov, M.A. Ramazanov, G.M. Eyvazova, S.Z. Huseynli and S.T.Aliyeva Formation of Silver Nanoparticles in the root extract of Scutellaria baicalensis and their characterization Archives of Nanomedicine: Open Access Journal DOI: 10.32474/ANOAJ.2019.01.000122, p.107-113,2019
23. **A. M. Maharramov, M. A. Ramazanov, Luca Di Palma, H. A. Shirinova, and F. V. Hajiyeva**, INFLUENCE OF MAGNETITE NANOPARTICLES ON THE DIELECTRIC PROPERTIES OF METAL OXIDE/POLYMER NANOCOMPOSITES BASED ON POLYPROPYLENE **Russian Physics Journal**, v 60, № 10 Стр.: 1852-1852
24. **M. A. Ramazanov, R. A. Alizade, A. M. Maharramov, F. V. Hajiyeva, J. R. Sultanova, H. A. Shirinova** Theoretical and Experimental Study of the Magnetic Properties and Size of Distribution of PVDF + Fe Based Nanocomposites , DOI 10.1007/s10904-018-0863-2, 2018, September 2018, **Volume 28, Issue 5, pp 2179–2186,** Journal of Inorganic and Organometallic Polymers and Materials,
25. **M.A.Ramazanov, F.V.Hajiyeva,A.M.Maharramov, H.M.Mamedov** Microwave absorption of polymer nanocomposites on the base high density polyethylene (PE) and magnetite (Fe3O4) nanoparticles.Journal of Elastomers and Plastics, **DOI: 10.1177/0095244318768652 , 2018, p.1-7,**
26. **M.A.Ramazanova, H.A.Shirinovaa, Luca Di Palmab, A.M. Maharramova** Structure and Electrophysical properties of poyvinyldene fluoride (PVDF) /magnetite nanocomposites **Journal of Thermoplastic Composite Materials** 2018/11/19**, p.** 0892705718796542
27. **M.A.Ramazanov, A.M.Maharramov, R.A.Ali-zada, H.A.Shirinova, F.V.Hajiyeva** Theoretical and experimental investigation of the magnetic properties of polyvinylidenfluoride and magnetite nanoparticles based nanocomposites Journal of **Theorotical and Applied Physics** Том: 12 Выпуск: 1 Стр.: 7-13 2018, https://doi.org/10.1007/s40094-018-0282-3
28. **M.A.Ramazanov, A.M.Maharramov, S.Q.Nuriyeva, U.A.Hasanova, F.V.Hajiyeva** Influence of preparation technology - crystallisation temperature-time regime on supramolecular structure and properties of PP/Ag_2S nanocomposites Journal Optoelectronic and Biomedical Materials, Vol. 10, No. 2, April – June 2018, p. 37 – 42
29. **I.S.Ahmadov, M.A.Ramazanov, A.M.Maharramov** THE STUDY OF IMBIBITION CURVES IN THE SEEDS OF CORN(ZEA MAYS) AND RED KIDNEY BEAN (PHASEOLUS VULGARIS): EFFECT OF NANOPARTICLES AND SALTS "Biointerface Research in Applied Chemistry" 8 (3), 3213-3218, 2018,
30. **M. A. Ramazanov, F. V. Hajiyeva, A. M. Maharramov, Luca Di Palma, Diana Sannino, Makoto Takafuji, H. M. Mammadov, U. A. Hasanova, H. A. Shirinova , Z. A. Bayramova** New Magnetic Polymer Nanocomposites on the Basis of Isotactic Polypropylene and Magnetite Nanoparticles for Adsorption of Ultrahigh Frequency Electromagnetic Waves j. Polymer Plastic and Engineering, 2018, vol. 57, №. 5, 449–458
31. 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, 2019/2/7, p. 0892705718804578

32. **M.A.RamazanovA.M.Maharramov, , F.V.Hajiyeva, J.R.Sultanova** Thermal and mechanical properties of PP+Fe and PVDF+Fe based nanocomposites **Journal of Optoelectronic and Biomedical Materials.** Vol. 10, No. 3, July - September 2018 p. 83 - 90
33. **M.A.Ramazanov, A.M.Maharramov, Luca Di Palma, H.A.Shirinova, F.V.Hajıyeva, M.R.Hasanova** Negative Magnetoresistance of polymer nanocomposites on the basis of PP+Fe3O4 and PVDF+Fe3O4 in the magnetic field journal **Ferroelectrics**. Vol 537 (1), 191-197.2019,
34. Ahmadov I.S., Ramazanov M.A., Ramazanli V.N., Agayeva N. The interactional nature of nanoparticles with plant cell surface Int. Conf. Proceedings: Modern trends in physics, 20-22 April, Baku–2017,156-159,C
35. M.A. Ramazanov, A.M Maharramov, S.G.Nuriyeva, F.V.Haciyeva Structure and dielectric properties of polymer nanocomposites on the basis of polypropylene and silver sulfide PP/Ag_2S International Conference Modern trends in physics 20-22April, 2017, Baku, Azerbaijan
36. M.A. Ramazanov F.V.Haciyeva, A.M Maharramov, U.A.Gasanova Effect of corona discharge on the morphology and photoluminescence intensity of nanocomposites based on polypropylene (PP) and zirconium dioxide (ZrO_2) nanoparticles International Conference Modern trends in physics 20-22April, 2017, Baku, Azerbaijan
37. Z.Salahova, Sh.A.Topchiyeva, M.A.Ramazanov Dynamics of heavy metals in water and sediments in the contract area “Gurgan” of Azerbaijan sector of the Caspian Sea nanoparticles International Conference Modern trends in physics 20-22April, 2017, Baku, Azerbaijan
38. Maharramov, A.M., Ramazanov, M.A., Hasanova, U.A. Nanostructures for Antimicrobial Therapy-The Modern Trends in the Treatment of Bacterial Infections (Book Chapter), 2017
39. Antimicrobial Nanoarchitectonics: From Synthesis to Applications, Elsevier publications,p.446-476
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