

# Narine Anzhelo (Angelo) Durgaryan

## Faculty of Chemistry

Chair of Organic Chemistry

Head of the chair, professor

☎ 34-19  
(060) 71-04-19

✉ n.durgaryan@ysu.am

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## Language skills

Հայերեն Русский English

## Publications

*Article*

### **Synthesis and investigation of benzidine – aniline and benzidine – o-anisidine copolymers with PANi like structure**

Sh. Vardanyan, P. Minasyan, G. Grigoryan, N.Durgaryan

European Polymer Journal 2025 1-10

*Article*

### **Synthesis and investigation of methyl and methoxy groups containing polyaniline derivatives in organic medium**

N.A. Miraqyan, R.S. Durgaryan, N.A. Durgaryan

Polymer Bulletin 2024 .

*Article*

### **Synthesis and Investigation of Polymers Containing Different Ratio of Quinonediiminic and Benzenoid Units in PANi-Like Structure**

Paranzem Minasyan, Svetlana Sargsyan, Narine Durgaryan, Liana Gabrielyan

ChemistrySelect 2024 e20240194

*Article*

### **CONDUCTIVE POLYMERS AS MATERIALS USED IN SENSORS FOR DETERMINATION OF IMPORTANT VOLATILE COMPOUNDS IN THE FIELD OF FOOD SAFETY**

Mikael S. Torosyan, Narine A. Durgaryan

Proceedings of the YSU B: Chemical and Biological Sciences 2023 190-198

*Article*

### **SYNTHESIS OF ANILINE FRAGMENT CONTAINING POLIMERS LINKED WITH DIFFERENT GROUPS**

N.A. DURGARYAN, M.S. TOROSYAN, N.SH. MARTIKYAN

Հայաստանի քիմիական հանդես 2023 279-288

*Article*

### **Chemical Oxidative Condensation of Benzidine in Non-Aqueous Medium: Synthesis and Investigation of Oligomers and Polymer with Benzidine Diimine Units**

Narine Durgaryan, Ranush Durgaryan

Polymers MDPI 2022 34

Article

**Reactions of Compounds Containing Benzoquinone-1,4-diimine Groups with Sulfuric Acid.**

N.A. Durgaryan, A.A. Durgaryan, R.H. Arakelyan, N.A. Miraqyan

Russian Journal of General Chemistry (Журнал общей химии) 2021 1680-1686

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Article

**Study of the reaction of 1,4-benzoquinone with aniline oligomers and benzidine**

N.A.Miraqyan, N.A.Durgaryan, P.G.Minasyan

Journal of Polymer Research 2020 1-9

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Article

**Investigation of addition reaction of sodium thiosulfate pentahydrate to quinonediimine groups**

Nagharsh A. Miraqyan, Narine A. Durgaryan, Anjelo H. Durgaryan, Rima H. Arakelyan

Polymer Bulletin 2019 3929-3940

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Article

**Synthesis and investigation of poly(p-phenylenediamine)-poly(1,4-benzoquinonediimine-N,N'-diyl-1,4-phenylene)**

Nagharsh A. Miraqyan, Rima H. Arakelyan, Narine A. Durgaryan, Angelo H. Durgaryan

Chemical Papers 2018 1517-1524

<https://link.springer.com/article/10.1007/s11696-017-0378-2>

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Article

**New Syntheses of N,N'-Diaryl-Substituted Quinone Diimines: I. Synthesis of N,N'-Bis(4-aminophenyl)- 1,4-benzoquinone Diimine**

A. A. Durgaryan, R.A.Arakelyan, N.A.Durgaryan, N. Sh. Martikyan

Russian Journal of Organic Chemistry (Журнал органической химии) 2017 955-958

<http://link.springer.com/journal/11178>

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Article

**Synthesis of Polymers Containing Polyaniline Fragments Linked by 1,4-Benzoquinone Groups**

A. A. Durgaryan\*, R.A.Arakelyan, N.A.Durgaryan

Russian Journal of Organic Chemistry (Журнал органической химии) 2017 145-150

<http://link.springer.com/journal/11178>

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Article

**NH<sub>2</sub>/NH<sub>2</sub> ծայրային խմբերով անիլինի տրիմերի ստացումը և դրա որոշ փոխարկումների ուսումնասիրությունը**

Ջենմա Հարոյան, Նաղարշ Միրաքյան, Նարինե Դուրգարյան

ԵՊՀ ՈՒԳԸ գիտական հոդվածների ժողովածու 2017 307-312

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Article

**Copolymerization of Aniline with P-Phenylenediamine in an Acetic Acid Medium**

A. H. Durgaryan, N.A. Durgaryan, R. H. Arakelyan, N. A. Miraqyan

Chemical engineering of polymers. Production of functional and flexible materials 2016 3-4

<http://www.appleacademicpress.com/chemical-engineering-of-polymers-production-o...>

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Manual

**Կենսակտիվ պոլիմերներ**

*Conference*

**NEW SYNTHESSES AND REACTIONS OF SOME QUINONEDIIMINES**

N.Durgaryan, N.Miraqyan, R.Araqelyan, A.Durgaryan

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*Conference*

**One step synthesis of oxidized form of NH<sub>2</sub>/NH<sub>2</sub> capped aniline pentamer by oxidative condensation of p-phenylenediamine**

N. Markikyan, N. Durgaryan, A. Durgaryan

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*Conference*

**SYNTHESSES OF NH<sub>2</sub> /NH<sub>2</sub> CAPPED ANILINE OLIGOMERS AND THEIR DERIVATIVES**

N. Miraqyan, N.Martikyan, N.Durgaryan

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*Conference*

**GENERAL METHOD FOR AROMATIC IMINO GROUP CONTAINING POLYMERS SYNTHESSES.**

Narine Durgaryan, H.S.Durgaryan, R.H.Arakelyan

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*Conference*

**INVESTIGATION OF THE REACTION OF POLY(1,4- BENZOQUINONEDIIMINE-N,N'-DIYL-1,4-PHENYLENE) WITH HYDRAZINE**

N.A.Miraqyan, N.A.Durgaryan, A.H.Durgaryan

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*Conference*

**THE SELF CONDENSATION REACTION OF N,N' -BIS(4'-AMINOPHENYL)-1,4- BENZOQUINONE DIIMINE AND INVESTIGATION OF STRUCTURE AND ELECTRIC PROPERTIES OF SYNTHESIZED AND DOPED WITH IODINE COMPOUND**

N.Sh.Martikyan, N.A.Durgaryan, A.A.Durgaryan

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*Conference*

**Reaction of 1,4-Benzoquinone with aniline oligomers and some aromatic diamines:Synthesis and investigation**

Naghash Miraqyan, Parandzem Minasyan, Narine Durgaryan

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*Conference*

**Synthesis and investigation of polymers containing triazene group**

Nune Martikyan, Hranush Durgaryan, Narine Durgaryan

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*Conference*

**Aromatic diamines as monomers for the synthesis of electroconductive polymers**

Narine Durgaryan

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*Conference*

**SYNTHESIS AND STUDYING OF POLY(O-TOLUIDINE)**

N.A. Miraqyan, N.A. Durgaryan

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*Conference*

**HETEROCYCLIC UNIT CONTAINING CONJUGATED ELECTROACTIVE POLYMERS, ON THE BASE OF P-,M-PHENYLENEDIAMINES**

N.A.Durgaryan, P.G.Minasyan

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*Conference*

**POLYVINYL ALCOHOL-POLYETHYLENE GLYCOL-LACTIC ACID HYDROGELS FOR DRUGS CONTROLLED RELEASE**

N. Durgaryan, N. Miraqyan

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*Conference*

**STUDYING OF OXIDATIVE POLYMERIZATION OF O-,M-ANISIDINES**

N.A. Durgaryan, N.A. Miraqyan

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*Conference*

**Synthesis And Investigation Of Azo /Triazene Group Containing Conjugated Polymers**

N. A. Durgaryan, Sh. Vardanyan

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*Conference*

**SYNTHESIS AND STUDY OF AZO GROUP CONTAINING POLYMERS**

Shushanna Vardanyan, Narine Durgaryan, Juozas Gražulevičius

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*Conference*

**SYNTHESIS AND STUDY OF POLYMERS AND OLIGOMERS CONTAINING BENZTRIAZOLE MOIETY**

Shushanna Vardanyan, Narine Durgaryan, Juozas Vidas Gražulevičius

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*Conference*

**Over 20% PCE perovskite solar cells with enhanced stability achieved by novel and low-cost organic hole-transporting materials**

Narine Durgaryan, Ranush Durgaryan, Jurate Simokaitiene, Dmytro Volyniuk, Juozas Vidas Gražulevičius

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*Conference*

**PHENYL-PHENOXAZINE DERIVATIVES-CONTAINING CYANO GROUPS AS NEAR-INFRARED EMITTERS**

Sh. Vardanyan, N. Durgaryan, S. Macionis, J. Simokaitiene, J. V. Gražulevičius

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