

# CURRICULUM VITAE

Desenko Serhiy Mykhailovich



date of birth\* 06.02.1962

citizenship\* Ukraine

## Contact information\*

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*Personal Internet page (on the institution's website)*

## Personal profiles in scientometric databases\*

<https://orcid.org/0000-0001-8914-3232>

<https://www.scopus.com/authid/detail.uri?authorId=6603680670>

<https://scholar.google.com.ua/citations?user=yjKqBnMAAAAJ&hl=en>

*ORCID, Scopus, Publons Web of Science, Google Scholar*

## Education\*

M. G. Kharkiv State University, 1979-1984, chemistry,  
ІІБ-І № 206478, 23.07.1984

*name of higher education institution, years of study, specialty, diploma number*

## Degree\*

Doctor of Science, organic chemistry, 12.01.1996, V.N. Karazin  
Kharkiv National University, ДН № 002277

*name, specialty, date and place of defense, diploma number*

## Academic status\*

Professor, 02.00.03, organic chemistry, 20.04.2001, ІІР № 000411

*rank, specialty, date of assignment, series and certificate number*

## Professional work experience\*

*(for the last 10 years)*

01.01.2023 – present time – Chief Researcher of the Department of Organic and Bioorganic Chemistry, SSI "Institute for Single Crystals" NASU, Kharkiv.

	<p>01.02.2022 – 01.01.2023 – Head of the Department of Organic and Bioorganic Chemistry, SSI "Institute for Single Crystals" NASU, Kharkiv.</p> <p>3 2012 – 01.02.2022 – Deputy Head of the Functional Materials Chemistry Division, SSI "Institute for Single Crystals" NASU, Kharkiv.</p> <p>3 1999 – 2022 – Full Professor of the Department of Organic Chemistry, Karazin Kharkiv National University (part-time).</p> <p><i>in reverse chronological order - Dates [from - to], Position, Name of unit and institution/organization</i></p>
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## Main research activity

<p>Management of collective research projects (which received funding on a competitive basis from outside the main place of work)</p> <p><i>(no more than 5 positions in the last 10 years)</i></p>	<p><i>Ukrainian project:</i> "Development of new dyes and fluorescent markers for fuel marking" (code – Marker), state registration № 0117U005088, 2017-2018, target program of scientific research of the National Academy of Sciences of Ukraine "New functional substances and materials of chemical production" for 2017-2018 (State budget).</p> <p><a href="https://nddkr.ukrintei.ua/view/rk/81eecbc575fee84b886dd4ff49d25c2f">https://nddkr.ukrintei.ua/view/rk/81eecbc575fee84b886dd4ff49d25c2f</a></p> <p><i>Ukrainian project:</i> "Investigation of features of the structure of nitrogen-containing heterocycles with potential biological activity" (code – Casper), state registration № 0119U100716, 2019, departmental topic of the VFTPM of the NASU (State Budget).</p> <p><a href="https://nddkr.ukrintei.ua/view/rk/0c08c9a2d2855dbc244a177f7ba2bfa">https://nddkr.ukrintei.ua/view/rk/0c08c9a2d2855dbc244a177f7ba2bfa</a></p> <p><i>name of the project, implementing institution, implementation period, number of participants, source of funding; if available: a link to the website or a scan of the document</i></p>
<p>Participation in collective research projects</p> <p><i>(no more than 5 positions in the last 10 years)</i></p>	<p><i>Responsible executor of the Ukrainian project:</i> "Polypharmacophoric organic compounds based on peptidomimetics and ringed benzodiazepines" (code – 2020.02/0023), NRFU Competition "Supporting Research of Leading and Young Scientists", State registration number № 0120U104785, 2020-2023, NRFU grant (State Budget).</p> <p><a href="https://grants.nrfu.org.ua/#/applications/161">https://grants.nrfu.org.ua/#/applications/161</a></p> <p><i>Responsible executor of the Ukrainian project:</i> "Directed synthesis, chemical transformations and properties of new nitrogen-containing heterocyclic compounds" (code – Prostir), state registration № 0122U001857, 2022-2024, departmental topic of the VFTPM of</p>

	<p>the NASU (State Budget).</p> <p><i>Responsible executor of the Ukrainian project:</i> "Creation of modern bases of obtaining and analysis of substances and components of pharmaceutical materials" (code – Sintan), state registration № 0119U100727, 2019-2021, departmental topic of the VFTPM of the NASU (State Budget).</p> <p><i>Responsible executor of the Ukrainian project:</i> "Development of methods for the synthesis of new chemotypes of drug-like nitrogen-containing heterocyclic compounds" (code – "Chemotype"), state registration № 0116U001209, 2016-2018, departmental topic of the VFTPM of the NASU (State Budget).</p> <p><a href="https://nrat.ukrintei.ua/searchdoc/0219U001860/">https://nrat.ukrintei.ua/searchdoc/0219U001860/</a></p> <p><i>status in the project and method/form of participation, name of the project, level of the project (all-Ukrainian, international), organizer/executor of the project, period of implementation, source of funding; if available: a link to the website or a scan of the document</i></p>
<p>Individual research projects (which received funding on a competitive basis from a third party)</p> <p>(no more than 5 positions in the last 10 years)</p>	<p>None</p> <p><i>name of the project, period of implementation, name of the grant and donor; if available: a link to the website or a scan of the document</i></p>
Main scientific achievements	
<p>Published scientific works*</p> <p>(no more than 10 positions in the last 10 years)</p>	<ol style="list-style-type: none"> <li>1. Chebanov V.A., Desenko S.M., Lipson V.V., Gorobets N.Yu. Multicomponent-switched reactions in synthesis of heterocycles // Multicomponent Reactions towards Heterocycles: Concepts and Applications (Eds.: E.V. Van der Eycken, U.K. Sharma), Wiley-VCH, Weinheim, Germany 2022, 287-338 (book chapter) ISBN 978-3-527-34908-1 <a href="https://content.e-bookshelf.de/media/reading/L-17698915-078bc130ba.pdf">https://content.e-bookshelf.de/media/reading/L-17698915-078bc130ba.pdf</a></li> <li>2. Drug repurposing against SARS-CoV-2 using computational approaches / Kumar, S., Kovalenko, S., Bhardwaj, S., Sethi, A., Gorobets, N.Y., Desenko, S.M., Poonam, Rath, B. // Drug Discovery Today. – 2022. Vol. 27(7). – P. 2015–2027. DOI: <a href="https://doi.org/10.1016/j.drudis.2022.02.004">10.1016/j.drudis.2022.02.004</a> / Q1</li> <li>3. Aminoazole-based diversity-oriented synthesis of heterocycles / Murlykina, Maryna V., Morozova, Alisa D., Zviagin, Ievgen M., Sakhno, Yana I., Desenko, Sergey M., Chebanov, Valentyn A. // Frontiers in Chemistry. – 2018. Vol. 6. – P. 527. DOI: <a href="https://doi.org/10.3389/fchem.2018.00527">10.3389/fchem.2018.00527</a> / Q1</li> </ol>

4. New tricks of well-known aminoazoles in isocyanide-based multicomponent reactions and antibacterial activity of the compounds synthesized / Murlykina, Maryna V., Kornet, Maryna N., Desenko, Sergey M., Shishkina, Svetlana V., Shishkin, Oleg V., Brazhko, Aleksander A., Musatov, Vladimir I., Van Der Eycken, Erik V. // *Beilstein Journal of Organic Chemistry*. – 2017. Vol. 13. – P. 1050–1063. DOI: [10.3762/bjoc.13.104](https://doi.org/10.3762/bjoc.13.104) / Q1
5. Temperature-Controlled Diastereoselective Doebner/Ugi Tandem Reaction / Sakhno, Y., Radchenko, O., Saraev, V., Shliapkina, Y., Kaidash, M., Shyshkina, M., Shishkina, S., Musatov, V., Desenko, S., Chebanov, V. // *SynOpen*. – 2023. Vol. 7(2). – P. 258–266. DOI: [10.1055/a-2091-7934](https://doi.org/10.1055/a-2091-7934) / Q2  
<https://www.thieme-connect.com/products/ejournals/pdf/10.1055/a-2091-7934.pdf>
6. Ultrasonic-assisted unusual four-component synthesis of 7-azolylamino-4,5,6,7-tetrahydroazolo[1,5-a]pyrimidines / Sakhno, Yana I., Murlykina, Maryna V., Zbruyev, Oleksandr I., Kozyryev, Anton V., Shishkina, Svetlana V., Sysoiev, Dmytro, Musatov, Vladimir I., Desenko, Sergey M., Chebanov, Valentyn A. // *Beilstein Journal of Organic Chemistry*. – 2020. Vol. 16. – P. 281–289. DOI: [10.3762/bjoc.16.27](https://doi.org/10.3762/bjoc.16.27) / Q2
7. Features of two- and multicomponent heterocyclization reactions involving 3,4-disubstituted 5-aminopyrazoles and alkyl pyruvates / Sakhno, Yana I., Kozyryev, Anton V., Desenko, Sergey M., Shishkina, Svetlana V., Musatov, Vladimir I., Sysoiev, Dmytro O., Chebanov, Valentin A. // *Tetrahedron*. – 2018. Vol. 74(5). – P. 564–571. DOI: [10.1016/j.tet.2017.12.031](https://doi.org/10.1016/j.tet.2017.12.031) / Q2
8. A quantum chemical approach towards understanding stability and tautomerism of 2-imino-2H-pyran derivatives / Vodolazhenko, Maria A., Gorobets, Nikolay Yu., Zhikol, Oleg A., Desenko, Sergey M., Shishkin, Oleg V. // *RSC Advances*. – 2016. Vol. 6(57). – P. 52201–52211. DOI: [10.1039/c6ra08873b](https://doi.org/10.1039/c6ra08873b) / Q1
9. Study of the Chemoselectivity of Multicomponent Heterocyclizations Involving 3-Amino-1,2,4-triazole and Pyruvic Acids as Key Reagents, and Biological Activity of the Reaction Products / Murlykina, Maryna V., Sakhno, Yana I., Desenko, Sergey M., Shishkina, Svetlana V., Shishkin, Oleg V., Sysoiev, Dmytro O., Kornet, Maryna N., Schols, Dominique, Goeman, Jan L., Van Der Eycken, Johan, Van Der Eycken, Erik V., Chebanov, Valentin A. // *European Journal of Organic Chemistry*. – 2015. Vol. 2015(20). – P. 4481–4492. DOI: [10.1002/ejoc.201500469](https://doi.org/10.1002/ejoc.201500469) / Q1
10. The unexpected influence of aryl substituents in n-aryl-3-

	<p>oxobutanamides on the behavior of their multicomponent reactions with 5-amino-3-methylisoxazole and salicylaldehyde / Tkachenko, Volodymyr V., Muravyova, Elena A., Desenko, Sergey M., Shishkin, Oleg V., Shishkina, Svetlana V., Sysoiev, Dmytro O., Müller, Thomas J. J., Chebanov, Valentin A. // Beilstein Journal of Organic Chemistry. – 2014. Vol. 10. – P. 3019–3030. DOI: <a href="https://doi.org/10.3762/bjoc.10.320">10.3762/bjoc.10.320</a> / Q1</p> <p><i>full bibliographic description of each publication; it is mandatory to specify: for articles - the DOI index, for book publications the ISBN index; for articles in publications indexed in Scopus and/or WoS: journals - specify the Q1-Q4 quartile at the time of publication, in non-periodical publications - a link). If there are published reviews of the author's monographs, submit a full bibliographic description of each review and a link to the website of the publication where it was published</i></p>
<p>Other significant scientific achievements</p> <p><i>(no more than 5 positions in the last 10 years)</i></p>	<p>None</p> <p><i>inventions, developments, patents; applications, methods, theories; electronic resources, including electronic archives, e-libraries, e-depositories, e-collections, e-catalogs, e-directories, e-databases, etc., which have scientific and practical use outside of Ukraine (the name of the scientific product, role in the development (author, co-author, team member, etc.), time of creation; <u>if available</u>: a link to the website or a scan of the document (screenshot) with information on the use</i></p>
Presentation of scientific results	
<p>Key (plenary) reports at nationwide or international conferences (except for conferences that were always held by correspondence)</p>	<p>None</p> <p><i>the topic of the report, the format of the speech (live, online), the name of the conference/event, the organizer, the city and the date of the event, <u>if available</u>: a link to the program of the event</i></p>
<p>Personal speeches outside of Ukraine on the invitation of higher education institutions, research institutions or professional associations (except CIS countries)</p> <p><i>(no more than 10 positions in the last 10 years)</i></p>	<p>None</p> <p><i>topic of the report (lecture, seminar), name of the institution/organization, city, date, <u>if available</u>: link to the event announcement</i></p>
<p>Reports at scientific conferences* (seminars, symposia, etc.)</p> <p><i>(no more than 10 positions in the last 10 years)</i></p>	<p>None</p> <p><i>the topic of the report, the name of the conference/event, the organizer, the city and the date of the event, <u>if available</u>: a link to the program of the event (collection of theses, deposited work, etc.)</i></p>

<p>Promotion of scientific research</p> <p><i>(no more than 10 positions in the last 10 years)</i></p>	<p>None</p> <p><i>the author's most important popular scientific publications in print media and online publications, in particular abroad, appearances on all-Ukrainian television and radio channels, expert interviews and comments for international media, etc.; membership in the editorial boards of scientific and popular science publications in magazine or Internet format;</i></p> <p><i>if available: a link to the publication or, accordingly, the official website of the Internet publication.</i></p>
<p>Scientific and organizational activity</p>	
<p>Participation in the organizing committees of scientific events (conferences, seminars, symposia, round tables, panel discussions, etc.)</p> <p><i>(no more than 5 positions in the last 10 years)</i></p>	<p>Co-chairman of the organizing committee and chairman of the local committee of the 8th International Conference "CHEMISTRY OF NITROGEN CONTAINING HETEROCYCLES" in memoriam of Prof. Valeriy Orlov, 12th to 16th November, 2018, Kharkiv, Ukraine, CNCH-2018 <i>(Scanned copy)</i></p> <p>Member of the Program Committee of the All-Ukrainian Conference of Scientific Researchers, Lviv, September 19-25, 2021 <i>(Scanned copy)</i></p> <p>Member of the program committee of the XIV All-Ukrainian Conference of Young Scientists, Students and Postgraduates on Current Chemistry Issues <a href="https://cys.isc.kh.ua/program_committee">https://cys.isc.kh.ua/program_committee</a></p> <p><i>status in the organizing committee (chairman, co-chairman, coordinator, member, etc.), name of the conference, level (international, all-Ukrainian, regional, etc.), format (live, online, by correspondence), organizing institution, time and venue, if available: link to the program of the scientific event</i></p>
<p>Participation in editorial boards of periodical scientific publications (in which mandatory anonymous peer review is carried out)</p> <p><i>(no more than 5 positions in the last 10 years)</i></p>	<p>Member of the editorial board of the journal "Functional Materials" (Ukraine), belongs to category A <a href="http://functmaterials.org.ua/editorial">http://functmaterials.org.ua/editorial</a></p> <p>Member of the editorial board of the international journal "Chemistry of Heterocyclic Compounds" (Q3) <a href="https://link.springer.com/journal/10593/editors">https://link.springer.com/journal/10593/editors</a></p> <p><i>indicate status in the editorial board (chief editor, responsible editor, member, etc.), full name of the publication, academic status of the publication (indexed in scientometric databases, belongs to categories A-B, etc.), term of participation in the editorial board, if available: link to the official website with editorial staff</i></p>
<p>Scientific editing (arrangement) of scientific publications</p> <p><i>(no more than 5 positions in the last 10 years)</i></p>	<p>None</p> <p><i>(collection of scientific works, collective monograph, collection of historical documents, anthology, academic dictionary, encyclopedia, etc., in addition to theses and materials of conferences, etc., which were recommended for publication by the academic council of a scientific institution or higher education institution; scientific editing of independent academic Internet resources that publish results of scientific research); if available: bibliographic description of</i></p>



	the publication, including the ISBN index, a link to the official website with the editorial team
Teaching activity	
<p>The main author's educational courses at Higher Education Institutions (developed on the basis of own research)</p> <p><i>(no more than 5 positions in the last 10 years)</i></p>	<p>"Structure of substances and modern methods of research" (III level), State scientific institution "Scientific and technological complex "Institute of single crystals" of the National Academy of Sciences of Ukraine", within the educational and professional program "Chemistry", 2 years, 11 credits (330 hours), 2020-2022 academic years.</p> <p><a href="https://www.isc.kh.ua/sites/default/files/aspirantura/osvitnii_proces/2020/Роб_прог_Будова%20речовини.PDF">https://www.isc.kh.ua/sites/default/files/aspirantura/osvitnii_proces/2020/Роб_прог_Будова%20речовини.PDF</a></p> <p>"Structure of organic substances" (III level), State scientific institution "Scientific and technological complex "Institute of single crystals" of the National Academy of Sciences of Ukraine", within the educational and professional program "Chemistry", 2 years, 6 credits (180 hours), 2021-2023 academic year years.</p> <p><a href="https://www.isc.kh.ua/sites/default/files/aspirantura/osvitnii_proces/2022/RP_budova_organichnuh_rechovun_22-23.PDF">https://www.isc.kh.ua/sites/default/files/aspirantura/osvitnii_proces/2022/RP_budova_organichnuh_rechovun_22-23.PDF</a></p> <p><i>name of the course, level (I-III level), full name of the higher education institution, teaching time, duration of the course in ac. hours, <u>if available</u>: a link to the official website of the higher education institution</i></p>
<p>The main author's methodical developments (textbooks, manuals, methodical materials, educational programs for higher education)</p> <p><i>(no more than 5 positions in the last 10 years)</i></p>	<p>None</p> <p><i>full bibliographic description, <u>if available</u>: a link to the official website</i></p>
<p>Supervision of scientific works (scientific supervision or consulting of dissertation studies that have been successfully defended)</p> <p><i>(no more than 5 positions in the last 10 years)</i></p>	<p>None</p> <p><i>searcher's full name, dissertation topic, specialty, place and date of defense, <u>if available</u>: a link to the announcement of the defense.</i></p>
Expert activity	

<p>Membership in specialized academic councils for dissertation defense</p> <p><i>(no more than 5 positions in the last 10 years)</i></p>	<p>Member of the specialized academic council Д 64.051.14 (KhNU of V. N. Karazin) with the right to accept for consideration and conduct the defense of theses for obtaining the scientific degree of doctor of chemical sciences in specialties 02.00.03 "organic chemistry" and 02.00.04 "physical chemistry".</p> <p><a href="https://chemistry.karazin.ua/files/Sklad_specrady_2023.pdf">https://chemistry.karazin.ua/files/Sklad_specrady_2023.pdf</a></p> <p><i>board code, specialty, institution, term of office, if available link to the official website</i></p>
<p>Participation in expert councils (supervisory, advisory, expert or other councils of scientific, educational or research institutions, enterprises, cultural institutions, scientific publishing houses outside the main place of work)</p> <p><i>(no more than 5 positions in the last 10 years)</i></p>	<p>None</p> <p><i>the name of the expert body, the name of the institution/organization, the term of performance of duties, if available: link to the official website</i></p>
<p>Participation in calls commissions (jury) (all-Ukrainian or international calls, Olympiads, tournaments of research projects, scientific papers, etc.)</p> <p><i>(no more than 5 positions in the last 10 years)</i></p>	<p>None</p> <p><i>status, name of the competition, organizer, term of office; if available: a link to the official website</i></p>
<p>Scientific and expert activities for authorities (scientific and expert conclusions, comments, conclusions, etc. made at the request or order of authorities and self-government bodies, state structures, institutions, etc.)</p> <p><i>(no more than 5 positions in the last 10 years)</i></p>	<p>None</p> <p><i>data on the number and concise content of scientific and expert documents, indicating (for each document) the state authorities in whose interests and on whose order they were prepared</i></p>



<p>Scientific review of publications and projects* (number of anonymous reviews of manuscripts of scientific works submitted for publication in international scientific journals over the past 5 years; author reviews of scientific publications published in specialized periodicals)</p> <p>(no more than 5 positions in the last 5 years)</p>	<p>Regular reviewer (3-5 per year) of scientific works submitted for publication in the international scientific journal Chemistry of Heterocyclic Compounds (Q3)</p> <p><i>if available: copies of reviewer and/or expert certificates or link to WoS profile, links to published author reviews</i></p>
Honors and awards	
<p>Honorary titles and statuses (honored worker of science and technology, academician, doctor honoris causa, etc.)</p>	<p>None</p> <p><i>a full description of the rank, by whom and when it was awarded, if available: a scan of the certificate or a link to the official website</i></p>
<p>Laureate of a prize (awards, honors) of the international or national level, awarded on a competitive basis</p> <p>(no more than 5 positions in the last 10 years)</p>	<p>Laureate of the State award of Ukraine in the field of science and technology in 2019 "For highly selective methods of synthesis of heterocyclic compounds for the development of components of functional materials and the creation of new medicinal products"</p> <p><a href="http://www.kdpu-nt.gov.ua/uk/content/za-vysokoselektyvni-metody-syntezyu-geterocyklichnyh-spoluk-dlya-rozrobky-komponentiv">http://www.kdpu-nt.gov.ua/uk/content/za-vysokoselektyvni-metody-syntezyu-geterocyklichnyh-spoluk-dlya-rozrobky-komponentiv</a></p> <p><i>the full name of the award (prizes, honors), the founder, when and for what it was awarded, if available: a scan of the certificate or a link to the official website</i></p>
<p>Awards or honors for scientific achievements (from institutions, departments, authorities and local self-government bodies, etc.)</p> <p>(no more than 5 positions in the last 10 years)</p>	<p>Award of the National Academy of Sciences of Ukraine "For the preparation of scientific change" on January 26, 2022. (Certificate № 720). (Scanned copy)</p> <p><i>the full name of the award (honors), by whom, when and for what it was awarded, if available: a scan of the certificate or a link to the official website</i></p>

## Improvement of scientific qualification

Additional professional schools (trainings, summer schools, educational seminars, master classes, courses, etc., to acquire relevant scientific knowledge, skills and abilities)

*(no more than 5 positions in the last 10 years)*

Advancement of qualifications by type of internship to the Department of Physical, Organic, and Inorganic Chemistry of Dnipro National University named after Oles Honchar, from March 1 to April 30, 2021.  
*(Scanned copy)*

*name of higher school, organizer, time and place, type of certificate of successful completion; if available: a scan of the certificate or a link to the official website*

Scientific internships abroad (lasting more than 2 months, in higher education institutions or research institutions, except correspondence and with the exception of CIS countries)

*(no more than 5 positions in the last 10 years)*

None

*full name of the internship (exchange) program, institution, city and country, exact dates of stay; if available: a scan of the certificate or a link to the official website*

Membership in independent scientific organizations (non-institutional professional academic associations, societies, unions, unions of researchers, except trade unions)

*(no more than 5 positions in the last 10 years)*

None

*full name of the organization in the original language, region of activity (all-Ukrainian, international, European, etc.), status in the organization (member, member of the governing body, chairman, etc.), period of participation or performance of functions; it is mandatory to provide: confirmation of membership (a copy of the document on the payment of membership fees, a link to the official website with information about membership).*

Additional information on other important scientific achievements, qualifications, competences, or types of scientific activity that are significant for the implementation of the submitted research/development project

*(no more than 5 positions in the last 10 years)*

None

## Foreign languages skills\*

English (Upper-Intermediate) (Confirmed by the presence of 10 articles that published in English language in scientific publications included in the scientometric databases "Scopus" or "Web of Science" and ISSN-number confirmed on the website of the International Center for the Registry of Periodical Records):

1. Chebanov V.A., Desenko S.M., Lipson V.V., Gorobets N.Yu. Multicomponent-switched reactions in synthesis of heterocycles // Multicomponent Reactions towards Heterocycles: Concepts and Applications (Eds.: E.V. Van der Eycken, U.K. Sharma), Wiley-VCH, Weinheim, Germany 2022, 287-338 (book chapter) ISBN 978-3-527-34908-1

<https://content.e-bookshelf.de/media/reading/L-17698915-078bc130ba.pdf>

2. Zbruyev A.I., Shishkin O.V., Doroshenko A.O., Desenko S.M., Chebanov V.A. Stepwise photoinduced transformation of fused aziridines via stable biradicals and azomethine ylides // Journal of Photochemistry and Photobiology A: Chemistry, 2018, 353, 469-476. DOI: 10.1016/j.jphotochem.2017.11.053 / Q2

3. Gümüş M. K., Gorobets N. Yu., Sedash Yu. V., Shishkina S. V., Desenko S. M. Rapid formation of chemical complexity via a modified Biginelli reaction leading to dihydrofuran-2(3 H )-one spiro-derivatives of triazolo[1,5- a ]pyrimidine // Tetrahedron Letters, 2017, 3446-3448. DOI: 10.1016/j.tetlet.2017.07.071 / Q2

4. Vodolazhenko M. A., Gorobets N. Yu, Zhikol O. A., Yermolayev S. A., Musatov V. V., Chebanov V. A., Desenko S. M. Application of stable fused dienolates for diversity oriented synthesis of 2,5-dioxo-5,6,7,8-tetrahydro-2H-chromene-3-carboxamides // RSC Advances. (Royal Society of Chemistry), 2012, 1106-1111. DOI: 10.1039/C1RA00723H / Q1

5. Vodolazhenko M. A., Gorobets N. Yu, Zhikol O. A., Desenko S. M., Shishkin O. V. A quantum chemical approach towards understanding stability and tautomerism of 2-imino-2H-pyran derivatives // RSC Advances. (Royal Society of Chemistry), 2016, 52201-52211. DOI:10.1039/C6RA08873B / Q1

6. Murlykina M.V., Morozova A.D., Zviagin I.M., Sakhno Ya.I., Desenko S.M., Chebanov V.A. Aminoazole-based Diversity-Oriented Synthesis of Heterocycles // Frontiers in Chemistry, 2018, 6, article 527. DOI: 10.3389/fchem.2018.00527 / Q1

7. Tkachenko V. V, Muravyova E. A, Desenko S. M, Shishkin O.V, Shishkina S. V, Sysoiev D. O, Müller T., Chebanov V. A. The unexpected influence of aryl substituents in N-aryl-3-oxobutanamides on the behavior of their multicomponent reactions

with 5-amino-3-methylisoxazole and salicylaldehyde // Beilstein Journal of Organic Chemistry, 2014, 3019-3030. DOI: [10.3762/bjoc.10.320](https://doi.org/10.3762/bjoc.10.320) / Q1

8. Chebanov V. A., Saraev V. E., Shishkina S. V., Shishkin O. V., Musatov V. I., Desenko S. M. Controlled Switching of Multicomponent Heterocyclizations of 5-Amino-N-arylpyrazole-4-carboxamides, 1,3-Cyclohexanediones, and Aldehydes // European Journal of Organic Chemistry, 2012, 5515-5524. DOI: [10.1002/ejoc.201200669](https://doi.org/10.1002/ejoc.201200669) / Q1

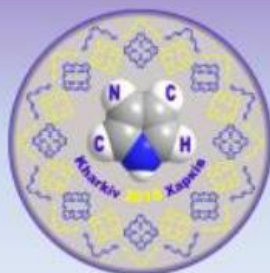
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ВСЕУКРАЇНСЬКИЙ СИМПОЗІУМ З ОРГАНІЧНОЇ ТА МЕДИЧНОЇ ХІМІЇ,  
ПРИСВЯЧЕНИЙ 80-РІЧЧЮ ПРОФ. ВАЛЕРІЯ ДМИТРОВИЧА ОРЛОВА  
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