



Curriculum Vitae

Current post (2014 - present): Doctor of Biological Sciences, Senior Staff Scientist, Principal researcher, Head of the group of biological screening of chemical compounds, Department for Chemistry of Bioactive Nitrogen-Containing Heterocyclic Compounds, Institute of Bioorganic Chemistry and Petrochemistry, NAS, Ukraine

Previous posts:

2000 - 2013 - Research assistant and Senior Staff Scientist, Department of Bioengineering, Institute of Bioorganic Chemistry and Petrochemistry, NAS, Ukraine;

1993 - 1997 - Research Assistant of Pharmacology Department, Institute of Gerontology, National Academy of Medical Sciences, Ukraine;

1997 – 2000 – Postdoctoral Biologist, Department of Molecular Genetics, Institute of Cell Biology and Genetic Engineering, NAS, Ukraine

1990 – 1993 – Pharmacist in Pharmacy № 79, Kiev.

Education:

1997 - 2000 - **Post Graduate Student**, Institute of Cell Biology and Genetic Engineering of NAS of Ukraine;

1990 – **Master’s Degree in Pharmacy**, National University of Pharmacy, Kharkov;

1984 – 1990 - **Student** of the National University of Pharmacy, Kharkov.

Academic and Higher Qualifications

2014 – **Sci. Dr. Degree in Biotechnology**, Institute of Food Biotechnology and Genomics, NAS of Ukraine;

2014 - **Academic Status Principal researcher**, Institute of Bioorganic Chemistry and Petrochemistry, NAS, Ukraine;

2013 - **Academic Status Senior Staff Scientist in Biotechnology**, Institute of Food Biotechnology and Genomics, NAS of Ukraine;

Status

2004 - **Ph.D. Degree in Plant Physiology**, Institute of Plant Physiology and Genetics of NAS of Ukraine.

ORCID iD: <https://orcid.org/0000-0002-8036-6488>

Web of Science ResearcherID [J-3558-2018](https://orcid.org/0000-0002-8036-6488) **ResearcherID:** [J-3558-2018](https://orcid.org/0000-0002-8036-6488)

Scopus Author ID: [55816912700](https://orcid.org/0000-0002-8036-6488)

Loop profile: [631370](https://loop.frontiersin.org/people/631370/overview)

<https://loop.frontiersin.org/people/631370/overview>

Publons: <https://publons.com/a/1294089>

<https://bpci.academia.edu/VictoriaTsygankova>

<https://bpci-kiev.academia.edu/VictoriaTsygankova>

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

https://www.researchgate.net/profile/V_Tsygankova/contributions

<http://bpci.kiev.ua/dep/02/Tsygankova/Group2.htm>

Academic experience duration - **25 p.**
Total number of publications – **220.**
Number of Publications in Q1 and Q2 - **1**
Total number of patents - **7**
Number of monographs - **7**
Research grants – **8**

Specialization Keywords: Plant Biology, Plant Physiology, Plant Growth Regulation, New Plant Growth Regulating Substances, Agricultural Biotechnology and Nanobiotechnology, Molecular Biology, Molecular Biotechnology, RNA Interference (RNAi) technology, Genetics, Gene Expression and Regulation, Genetic Engineering, Plant Pathology, Plant Protection, Bioorganic Chemistry.

Research interests: The creation of new effective and ecologically safe plant growth regulators of synthetic and natural origin and study of the physiological, biochemical and molecular-genetic aspects of their action on accelerating growth of agricultural plants, improving of crop productivity and increasing of plant resistance to pathogenic and parasitic organisms (bacteria, fungi, nematodes and insect-pests) and stress-factors of environment (drought, cold, heat, soil contamination etc.) by the way of inducing of RNA interference (RNAi) process in the plant cells.

Recent grants:

2018 – 2021 – project "Screening for new plant growth regulators among azoles, azines and their condensed derivatives" (confirmed by the decision of Presidium of the National Academy of Sciences of Ukraine from 30.05.17, No 4);

2015 - 2019 - project "Obtaining cell lines of agricultural plants with increased resistance to pathogenic and parasitic organisms by inducing of RNA interference process using bioregulators of microbial origin" of the complex interdisciplinary program of the scientific researches of the National Academy of Sciences of Ukraine "Molecular and cellular biotechnology for medicine, industry and agriculture" on 2015-2019 years (confirmed by the decision of Presidium of the National Academy of Sciences of Ukraine from 11.02.15, No. 22);

2015 – 2017 – project "Screening for specific plant growth regulators among derivatives of aza-heterocycles and acyclic compounds containing phosphorus" (confirmed by the decision of Presidium of the National Academy of Sciences of Ukraine from 20.05.14, No 5);

2010 - 2015 – STCU, project P-490 "Application of new biopreparations with nematicidal and plant regulating effect in cultivation technologies of cereal, vegetable, and other crops" of National Academy of Sciences of Ukraine;

2010 - 2014 - project "Molecular bases of creation of biologically active and ecologically safe preparations with bioprotective and immune-modulating properties" of the complex interdisciplinary program of the scientific researches of the National Academy of Sciences of Ukraine "Fundamentals of molecular and cellular biotechnology" (confirmed by the decision of Presidium of the National Academy of Sciences of Ukraine from 07.07.10, No. 222);

2010 – 2014 – project "Obtaining plants resistant to diseases and adverse environmental factors, using tissue culture methods, genetic and chemical engineering" (confirmed by the decision of Presidium of the National Academy of Sciences of Ukraine from 23.06.10, No 4);

2010 - 2012 - project "Use of small regulatory dsRNA to improve plant resistance to pathogenic microorganisms" program of scientific research of the Ukraine" Biomass as a fuel "(confirmed by the decision of Presidium of the National Academy of Sciences of Ukraine from 23.06.10, No. 199).

Recent invited presentations

2018 – 2nd International Conference on Innovations in Natural Science and Engineering, Sakarya University, Turkey and National Technical University of Ukraine "Kyiv Polytechnic Institute" (NTUU "KPI"), Kyiv, Ukraine;

2018 - 4th International Scientific Conference «Modern Plant Biology: Theoretical and Applied Aspects», V.N. Karazin Kharkiv National University, Kharkiv, Ukraine;

2018 - 4th International Symposium on EuroAsian Biodiversity (SEAB2018), Institute of Cell Biology and Genetic Engineering (NASU) and Taras Shevchenko National University, Kyiv, Ukraine;

2017 - IX International conference in chemistry Kyiv-Toulouse (ICKT-9), Taras Shevchenko National University, Kyiv;

2016 - I International Scientific Conference. Microbiology and Immunology – the Development Outlook in the 21st century, Taras Shevchenko National University, Kyiv;

2016 - 22nd International Conference on Plant Growth Substances, Toronto, Canada;

2016 - 43rd Annual Meeting of the Plant Growth Regulation Society of America, Sheraton Raleigh Hotel, Raleigh, North Carolina;

2015 - 2nd World Congress on the use of Biostimulants in Agriculture, Florence Convention Centre, Italy;

2015 - II Konferencja Naukowa “Biostymulatory w nowoczesnej uprawie roślin” / pod honorowym patronatem J.M. Rektora SGGW prof. dr hab. Alojzego Szymanskiiego, Warszawa, Poland.

Professional activities

2014 – present - Member of the Academic Councils D 26.254.01 and D26.002.28 on considering PhD and SciDr theses at the Institute of Food Biotechnology and Genomics, National Academy of Sciences of Ukraine, and at the National Technical University of Ukraine "Kyiv Polytechnic Institute" (NTUU "KPI");

2016 – present – Member of the Expert Commission, Reviewer of grant proposals for the State Scientific Institution "State Institute of Scientific, Technical and Innovative Expertise" Kyiv, Ukraine.

Professional affiliations

Member of American Society Plant Biologists (ASPB); Ukrainian Society of Geneticists and Breeders; International Society for Development and Sustainability (ISDS); Management and Advisory Board (MAB) Member of the SciDoc Publishers; Editorial Advisory Board Member (EABM) of Book division of Sciencedomain International; Editor in Chief of the International Journal of ChemTech Research; Co-editor in Chief for Journal “Advances in Environmental Biology”; Academic Editor of [Asian Journal of Research and Review in Agriculture](#); Advisory Editorial Board Member of Bioscience Biotechnology Research Communications, Editorial Board Member of Journals: Editorial Board Member of Journal of **RNA and Genomics (Scopus)**, *Bioscience Biotechnology Research Communications (Web of Science)*, International Journal of Medical Biotechnology & Genetics (IJMBG), Journal of Agricultural Science and Technology A & Journal of Agricultural Science and Technology B, Journal “Bioscience and Bioengineering”; “International Journal of Plant & Soil Science”; “Asian Journal of Soil Science and Plant Nutrition”, Journal of Agricultural Science and Research (JASR), Journal of Medicinal Plants Studies, SciFed Journal of Plant Physiology, Integrative Food Sciences & Nutrition, Journal “Food Science & Nutrition Technology” (FSNT), Journal of Environment and Bio Research, Journal of Environmental and Analytical Toxicology, Enliven: Journal of Genetic, Molecular and Cellular Biology, Research Journal of Life Sciences, Bioinformatics, Pharmaceutical and Chemical Sciences, [Chemistry Research Journal](#), International Journal of Biotechnology and Bioengineering, Journal “Innovative Techniques in Agriculture”, Journal Of Advances In Biology, Journal of Advances in Agriculture, Australian Journal of Pharmaceutical Biology (AJPB), Journal “Advance research in agriculture and organic farming”, International Journal for Pharmaceutical Research Scholars (IJPRS), [Journal of Advancements in Plant Science \(JAPS\)](#), Journal “Innovative Biosystems and Bioengineering”, [Journal of Microbiology and Laboratory Science \(JMLS\)](#), “Journal of Food Science and Engineering”, International Journal of Development and Sustainability (IJDS), Asian Journal of Biotechnology and Genetic Engineering, Asian Plant Research Journal, “Asian Journal of Plant and Soil Sciences”, Current Trends on Biostatistics & Biometrics (CTBB), Current Trends on Biotechnology & Microbiology (CTBM), MedCrave Online Journal of Research & Reviews, International Journal of Latest Research In Science and Technology; Madridge Journal of Bioinformatics and Systems Biology (MJBSB); Madridge Journal of Agriculture and Environmental Sciences (MJAES); Journal of Genetic Engineering and Biotechnology Research; Modern Approaches in Drug Designing (MADD); Journal “Series of

Botany and Environmental Science”; Journal “Genetic Disease Study”; Region-Research Journal of Genetic Engineering; [International Journal of Drug Research and Technology](#); Open Journal of Bioscience Research (OJBR), Journal “Biosciences Biotechnology Research Asia”; American Journal of Biomedical Science & Research; Bioscience Biotechnology Research Communications; Reviewer of Journal "Environmental Research" (**Elsevier**); Member of International Association of Service Users of Google Scholar, Academy Mendeley, Academia.edu, ResearchGate, Publons Academy.

Member of Expert Commission, Reviewer of grant proposals for the State Scientific Institution " State Institute of Scientific, Technical and Innovative Expertise".

Expert opinions on scientific and technical projects submitted to the competition for the Prize of the Cabinet of Ministers of Ukraine for the development and implementation of innovative technologies for 2015. Expert opinions on scientific and technical projects submitted for funding to the State Fund for Basic Research under competition F64 for 2015. Expert opinions on scientific projects submitted to the competition of scientific and technical projects under the state order for scientific and technical products for 2015. Expert opinions on scientific projects submitted to the Ministry of Education and Science of Ukraine on the competition of research projects Ukraine-France 2015 - 2016. Expert opinions on research projects submitted to the Ministry of Education and Science of Ukraine under the competition of research projects Ukraine-Belarus 2016-2017. Expert opinions on research projects submitted for partial funding of projects under the program of bilateral cooperation between Lithuania and Ukraine in science and technology for 2016-2017. Expert opinions on scientific and technical projects submitted to the 6th joint competition (F73) of research projects State Fund for Basic Research and Belarusian Republican Foundation for Basic Research for 2016. Expert opinions on joint research projects submitted to the Ministry of Education and Science of Ukraine on a competitive basis of research projects Ukraine - Latvia 2016 - 2017. Expert opinions on joint research projects submitted to the Ministry of Education and Science of Ukraine on the basis of competitive research projects Ukraine - Germany 2017 - 2018. Expert opinions on joint research projects submitted to the Ministry of Education and Science of Ukraine on the competition of research projects Ukraine - Austria 2017 - 2018

Awards: For outstanding scientific achievements and contribution in the development of Biological Sciences ScD Victoria Anatolyivna Tsygankova biography has been included in the **Who's Who in the World** 2014 (31st Edition), 2015 (32nd Edition), 2016 (33rd Edition), 2017 (34th Edition), 2018 (35th Edition), 2019 (36th Edition), 2020 (37th Edition), in the "**2000 Outstanding Intellectuals of the 21st Century**" (8-th and 9th Editions), and in the **Who's Who in Science and Engineering** 2016-2017 (12th Edition), VI Volume of the Book "**Scientists of Ukraine - the elite of the state**" http://logos-ukraine.com.ua/index.php?lang=ua&page=published_books and in the X Volume of the reference-encyclopedic and biographical Book "**State Awards of Ukraine. Knights and laureates**". <https://who-is-who.ua/main/book/682/0>.

ScD Victoria Anatolyivna Tsygankova has been selected to receive prestigious **2018 Albert Nelson Marquis Lifetime Achievement Award** as a result of her hard work and dedication to her profession.

ScD Victoria Anatolyivna Tsygankova and all author's collective (Iutinska G.O., Volkogon V.V., Kurdish I.K., Fedorenko V.A., Gonchar M.V., Tsygankova V.A., Belyavska L.A., Smutok O.V.) were awarded the State Prize of Ukraine in the field of science and technology in 2018 for the scientific work "Biologically active substances of microbial synthesis in new biotechnologies and modern agricultural production".

ScD Victoria Anatolyivna Tsygankova was awarded in 2018 the honors NAS of Ukraine “For professional achievements” and medal on the occasion of the 100th anniversary of NAS of Ukraine.

Student supervision

3 graduate Students are preparing dissertations; **2 MSc students** of the National Technical University of Ukraine "Kyiv Polytechnic Institute" (NTUU "KPI"), all received first class marks for their projects.

1 Postdoctoral Research Scientist (January, 2017 - December, 2018) A.O. Adejuwon, B.Sc., M.Sc., Ph.D. Microbiology (Microbial Physiology and Metabolism - Microbial Enzymology), LL.Dip. (Diploma in Laws), Professor of Microbiology (Adjunct) Department of Biological Sciences (Microbiology), Faculty of Science, Kings University, Ode-Omu, Osun State, Nigeria; West Africa.

Address (Office):

Institute of Bioorganic Chemistry and Petrochemistry of National Academy of Sciences of Ukraine, 1, Murmanskaya str, Kyiv-94, 02660, Ukraine; Tel. +38(044) 558-53-88; Fax +38(044) 573-25-52; E-mail: vtsygankova@ukr.net; victoria_biotex@i.ua.

Key publications for the last 10 years

Articles in international peer-reviewed journals

1. **Циганкова В.А.**, Андрусевич Я.В., Білявська Л.О., Козирицька В.Є., Іутинська Г.О., Галкін А.П., Галаган Т.О., Болтовська О.В. Рістстимулюючі, фунгіцидні і нематодцидні властивості нових субстанцій мікробного походження та їх вплив на синтез малих si/miРНК в клітинах рослин. Мікробіол. журн. - 2012. - Т. 74, № 6. - С.36 – 45. **(Indexed in Scopus, Q4)**.
2. **Tsygankova V.A.**, Stefanovska T.R., Galkin A.P., Ponomarenko S.P., Blume Ya.B. (2012). Inducing effect of PGRs on small regulatory si/miRNA in resistance to sugar beet cyst nematode. Comm. Appl. Biol. Sci., Ghent University (Belgium). V. 77/4. P. 779 - 788. **(Indexed in Scopus, Q4)**.
3. **Tsygankova V.A.**, Ponomarenko S. P., Hrytsaenko Z. M. (2013). Increase of plant resistance to diseases, pests and stresses with new biostimulants. Acta Horticulturae: I WorldCongress on the Use of Biostimulants in Agriculture. Strasburg (France). 2012; 1009: 225-233. DOI: 10.17660/ActaHortic.2013.1009.27 **(Indexed in Scopus, Q4)**.
4. **Tsygankova V.A.**, Andrusевич Ya.V., Ponomarenko S.P., Galkin A.P., and Blume Ya.B. (2012). Isolation and Amplification of cDNA from the Conserved Region of the Nematode *Heterodera schachtii* 8H07 Gene with a Close Similarity to Its Homolog in Rape Plants. Cytology and Genetics. V.46, № 6. P. 335 - 341. DOI: <https://doi.org/10.3103/S0095452712060114> **(Indexed in Scopus, Q4)**.
5. Tsygankova V.A., Yemets A.I., Ponomarenko S.P., Matvieieva A.N., Chapkevich S.E., Kuchuk N.V. (2013). Increase in the synthesis of polyfructan in the cultures of chicory "hairy roots" with plant natural growth regulators. Int. J. BioMedicine. V.3, №2. P. 139 - 144. (GIF (Global Impact Factor): 0.654) **(Indexed in Web of Science)**
6. **Tsygankova V.A.**, Yemets A.I., Iutynska H.O., Biliavska L.O., Galkin A.P., Blume Ya.B. (2013). Increasing the resistance of rape plants to the parasitic nematode *Heterodera schachtii* using RNAi technology. Cytology and Genetics. V47, № 4. P. 222 - 230. DOI: <https://doi.org/10.3103/S0095452713040105> **(Indexed in Scopus, Q4)**.
7. Tsygankova V.A., Andrusевич Ya.V., Shtompel O.I., Shablykin O.V., Hurenko A.O., Solomyanny R.M., Mrug G.P., Frasinuk M.S., Pilyo S.G., Kornienko A.M., Brovarets V.S. Auxin-like effect of derivatives of pyrimidine, pyrazole, isoflavones, pyridine, oxazolopyrimidine and oxazole on acceleration of vegetative growth of flax. International Journal of PharmTech Research, 2018,11(3): 274-286. **(Indexed in Scopus, Q4)**.
8. **Tsygankova V.A.**, Andrusевич Ya.V., Shtompel O.I., Solomyanny R.M., Hurenko A.O., Frasinuk M.S., Mrug G.P., Shablykin O.V., Pilyo S.G., Kornienko A.M., Brovarets V.S. Study of auxin-like and cytokinin-like activities of derivatives of pyrimidine, pyrazole, isoflavones, pyridine, oxazolopyrimidine and oxazole on haricot bean and pumpkin plants. International Journal of ChemTech Research, 2018,11(10): 174-190. DOI=<http://dx.doi.org/10.20902/IJCTR.2018.111022> **(Indexed in Scopus, Q4)**.

9. Adekunle Odunayo Adejuwon, **Victoria Anatolyivna Tsygankova**, Oluwafisayo Alonge. Effect of cultivation conditions on activity of α -amylase from a tropical strain *Aspergillus Flavus Link*. Journal of Microbiology, Biotechnology and Food Sciences (JMBFS).- 2018. – V.7, N6. – P. 571-575. DOI: 10.15414/jmbfs.2018.7.6.571-575 (**Indexed in Web of Science and Scopus, Q4**).
10. Tsygankova V., Andrushevich Ya., Shtompel O., Kopich V., Solomyanny R., Bondarenko O., Brovarets V. (2018). Phytohormone-like effect of pyrimidine derivatives on regulation of vegetative growth of tomato. International Journal of Botany Studies, 3(2), 91-102. (RJIF (Research Journal Impact Factor): 5.12). (**Indexed in Web of Science**).
11. Tsygankova V.A., Andrushevich Ya.V., Shtompel O.I., Kopich V.M., Solomyanny R.M., Brovarets V.S. Study of regulating activity of synthetic low molecular weight heterocyclic compounds, derivatives of pyrimidine on growth of tomato (*Solanum lycopersicum L.*) seedlings. International Journal of ChemTech Research, 2019, Vol.12 No.05, pp 26-38. (**Q4**).
12. V.A. Tsygankova, Ya.V. Andrushevich, E.N. Shysha, L.O. Biliavska, T.O. Galagan, A.P. Galkin, A.I. Yemets, G.A. Iutynska and Ya.B. Blume. RNAi-mediated Resistance against Plant Parasitic Nematodes of Wheat Plants Obtained *in Vitro* Using Bioregulators of Microbiological Origin. Current Chemical Biology. 2019. Vol. 13, Issue 1, P. 73 – 89. DOI : 10.2174/2212796812666180507130017 (**Indexed in Scopus, Q3**).
13. Blyuss K.B., Fatehi F., Tsygankova V.A., Biliavska L.O., Iutynska G.O., Yemets A.I. and Blume Y.B. (2019). RNAi-Based Biocontrol of Wheat Nematodes Using Natural Poly-Component Biostimulants. Front. Plant Sci. 10: 483. DOI: 10.3389/fpls.2019.00483. (Impact Factor 4.298 (2016), 3.677 (2017)), (**Indexed in Web of Science and Scopus, Q1**).
14. Blyuss, K.B., Al Basir, F., Tsygankova, V.A. *et al.* Control of mosaic disease using microbial biostimulants: insights from mathematical modelling. Ricerche di Matematica. (2020). DOI [10.1007/s11587-020-00508-6](https://doi.org/10.1007/s11587-020-00508-6) (**Indexed in Scopus**, IF 1.16. SCImago Journal Rank (SJR) 0.357. h-index 14. Publisher Springer-Verlag Italia). (**Indexed in Scopus, Q3**).

Monographs for the last 10 years

1. **Цыганкова В.А.** Экспрессия генов при стимулировании регуляторами роста и развитии растений / **В.А. Цыганкова**, А.П. Галкин, Л.А. Галкина, Л. И. Мусатенко, С.П. Пономаренко, Г.А.Иутинская; [“Биорегуляция микробно-растительных систем”]: ред. Иутинская Г.А. и Пономаренко С.П. - К.: Ничлава, 2010 – С. 291 – 332. (Рекомендовано до друку Вченою Радою Інституту Мікробіології та Вірусології ім. Д.К.Заболотного НАН України, витяг з Протоколу № 9 від 8 жовтня 2009 р.). ISBN 978-966-669-309-2.
2. **Tsygankova V.A.** Gene expression under regulators' stimulation of plant growth and development / **V.A. Tsygankova**, A.P. Galkin, L.O. Galkina, L.I. Musatenko, S.P. Ponomarenko, H.O. Iutynska; [“New plant growth regulators: basic research and technologies of application”]; eds. S.P. Ponomarenko, H.O. Iutynska. – К.: Nichlava, 2011. – P. 94 – 160. (Рекомендовано до друку Вченою Радою Інституту Мікробіології та Вірусології ім. Д.К.Заболотного НАН України, витяг з Протоколу № 9 від 8 жовтня 2009 р.). ISBN 978-966-669-309-2.
3. Гаврись І.Л., Пономаренко С.П., **Цыганкова В.А.** [Використання регуляторів росту на рослинах помідора у зимових теплицях]: Рец: Сич З.Д., Галкін А.П., Кравченко В.А. Вінниця: ТОВ „Нілан-ЛТД”, 2013. – 174 с. ISBN 978-966-2770-91-9.
4. Iutynska G.O., Biliavska L.O., Babych O.A., **Tsygankova V.A.**, Babych A.G. The Monograph «Plant protection and bioregulation in modern agriculture» / Ed. "Diamond trading tour" Warszawa. Poland, 2019.- 100 p. ISBN: 978-83-66030-73-2
5. The Monograph “Advances and Trends in Biotechnology and Genetics Vol. 3” / Eds. Dr. **Tsygankova Victoria Anatolyivna**; Prof. Dr. Lanzhuang Che. Book Publisher International. SCIENCEDOMAIN international Ltd. 2019. 166 p. DOI 10.9734/bpi/atbg/v3. ISBN9789389562460. ISBN 978-93-89562-46-0 (Print), ISBN 978-93-89562-47-7 (eBook) DOI: 10.9734/bpi/atbg/v3
6. The Monograph “ Research Advances in Plant Biotechnology”. Series: Plant Science Research and Practices / Ed. Yaroslav B. Blume. Chapter 6. **Victoria A. Tsygankova**, Konstantin B. Blyuss, Elena N. Shysha, Lyudmila A. Biliavska, Galina A. Iutynska, Yaroslav V.

Andrusevich, Sergey P. Ponomarenko, Alla I. Yemets and Yaroslav B. Blume. "Using Microbial Biostimulants to Deliver RNA Interference in Plants as an Effective Tool for Biocontrol of Pathogenic Fungi, Parasitic Nematodes and Insects". Pp. 205-319. Nova Science Publishers, Inc. USA. 2020. 375 p. ISBN: 978-1-53616-432-9.

7. The Monograph "Current Research and Development in Chemistry Vol. 2" / Eds. Dr. **Tsygankova Victoria Anatolyivna**. Book Publisher International. SCIENCEDOMAIN international Ltd. 2020. DOI: [10.9734/bpi/crdc/v2](https://doi.org/10.9734/bpi/crdc/v2) ISBN: 9789390149421.

Patents for the last 10 years

1. Пономаренко С.П. Спосіб підвищення продуктивності і вирощування картоплі із застосуванням полікомпонентних біорегуляторів природного походження Regoplant і Stimpo / С.П. Пономаренко, **В.А. Циганкова**, І.М. Підберезко // Патент № а 2013 06015, ДП УПВ. 2013 Ключові слова Key words: полікомпонентні біорегулятори природного походження, Регоплант, Стімпо, продуктивність картоплі. Polyscomponent bioregulators of natural origin, Regoplant, Stimpo, potato productivity
2. Пономаренко С.П. Підвищення продуктивності і якості озимої пшениці за використанням композиції з регуляторною, біозахисною та гербіцидною активністю / С.П. Пономаренко, З.М. Грицаєнко, **В.А. Циганкова**, А.І. Медков, І.Б. Леонтюк // Патент № а 2013 05423, ДП УПВ. 2013. Ключові слова Key words: полікомпонентні біорегулятори природного походження, продуктивність озимої пшениці. Polyscomponent bioregulators of natural origin, productivity of winter wheat.
3. **Циганкова В.А.**, Андрусевич Я.В., Штомпель О.І., Копіч В.М., Пільо С.Г., Прокопенко В.М., Головченко О.В., Корнієнко А.М., Р.М. Броварець В.С. Похідні оксазолу як регулятори росту рослин. Патент на винахід № 118318. Заєреєстровано в Державному реєстрі патентів України на корисні моделі 26.12.2018. Ключові слова Key words: Регулятори росту рослин, похідні оксазолу, рослини ріпаку. Plant growth regulators, oxazole derivatives, rapeseed plants.
4. **Циганкова В.А.**, Андрусевич Я.В., Штомпель О.І., Копіч В.М., Пільо С.Г., Прокопенко В.М., Головченко О.В., Корнієнко А.М., Р.М. Броварець В.С. Застосування похідних оксазолу та оксазоліпіримідину як регулятора росту рослин. Патент на корисну модель № 123946. Заєреєстровано в Державному реєстрі патентів України на корисні моделі 12.03.2018. Ключові слова Key words: Регулятори росту рослин, похідні оксазолу та оксазоліпіримідину, рослини ріпаку. Plant growth regulators, oxazole and oxazolopyrimidine derivatives, rapeseed plants.
5. **Циганкова В.А.**, Андрусевич Я.В., Штомпель О.І., Копіч В.М., Ключко С.В., Гуренко А.О., Соломянний Р.М. Броварець В.С. Застосування похідних піримідину, піразолу та піразолотриазину як регуляторів росту рослин кукурудзи. Патент на корисну модель № 128938. Заєреєстровано в Державному реєстрі патентів України на корисні моделі 10.10.2018. Ключові слова Key words: кукурудза, похідні піримідину, піразолу та піразолотриазину, регулятори росту рослин. Maize, pyrimidine, pyrazole and pyrazolotriazine derivatives, plant growth regulators.
6. **Циганкова В.А.**, Андрусевич Я.В., Штомпель О.І., Копіч В.М., Ключко С.В., Броварець В.С. Застосування похідних піримідину - Метіуру натрієвої солі та Метіуру калієвої солі, для інтенсифікації росту рослин кукурудзи. Патент на корисну модель № 130921. Заєреєстровано в Державному реєстрі патентів України на корисні моделі 26.12.2018. Ключові слова Key words: рослини кукурудзи, Метіур натрієва та калієва солі, регулятори росту рослин, Maize plants, Metiur sodium and potassium salts, plant growth regulators.
7. **Циганкова В.А.** 7-Циклоамінозаміщені оксазоло[4,5-d]піримідини як регулятори росту рослин. / В.А. Циганкова, Я.В. Андрусевич, О.І. Штомпель, В.М. Копіч, С.Г. Пільо, В.М. Прокопенко, О.В. Головченко, А.М. Корнієнко, В.С. Броварець // Патент на винахід № 119425. Заєреєстровано в Державному реєстрі патентів України на винаходи 10.06.2019. Ключові слова Key words: рослини ріпаку, регулятори росту

рослин, 7-циклоамінозаміщені оксазоло[4,5-d]піримідини. Rapeseed plants, plant growth regulators, 7-cycloamino-substituted oxazolo[4,5-d]pyrimidines.

List of last publications (2006 - 2020)

1. Tsygankova V.A., Galkina L.A., Synytsa A.D. Triamelon – a new effective inductor of organogenesis in plant tissue culture in vitro. (2006). Journal of Organic and Pharmaceutical Chemistry. V4, Issue 2 (14). P. 78–80.
<http://dspace.nbuu.gov.ua/handle/123456789/42138>
[https://www.academia.edu/4345414/Triamelon as new effective inductor of plant organogenesis in vitro](https://www.academia.edu/4345414/Triamelon_as_new_effective_inductor_of_plant_organogenesis_in_vitro)
2. Tsygankova V. A., Musatenko L. I., Galkina L. O., Galkin A. P., Ponomarenko S. P., Sytnik K. M., Eakin D.E. (2008). THE PECULIARITY OF GROWTH REGULATOR ACTION ON GENE EXPRESSION IN CELL OF EMBRYO OF SEEDS IN EARLY POSTEMBRYOGENESIS. Biotechnologia acta. V.1, № 2. P. 81 – 92. (In Russ.).
[https://www.academia.edu/3844361/Article Molecular mechanisms of PGRs action in early plant postembryogenesis](https://www.academia.edu/3844361/Article_Molecular_mechanisms_of_PGRs_action_in_early_plant_postembryogenesis) (In Engl.)
3. Tsygankova V.A., Musatenko L.I., Ponomarenko S.P., Galkina L.O., Andrushevich Ja.V. Galkin A.P. (2010). CHANGE OF FUNCTIONALLY ACTIVE CYTOPLASMICAL mRNA POPULATIONS IN PLANT CELLS UNDER GROWTH REGULATORS ACTION AND BIOLOGICAL PERSPECTIVES OF CELL FREE SYSTEMS OF PROTEIN SYNTHESIS. Biotechnologia acta. V. 3, № 2. P. 19 – 32.
http://biotechnology.kiev.ua/storage/2010/2_2010/Tsigankova%232_2010.pdf
4. Tsygankova V.A. (2010). Concerning the peculiarities of gene expression changes in plant leaf cells during twenty-four-hour period. Biotechnologia acta. V.3, №4. P. 86 – 95.
http://biotechnology.kiev.ua/storage/2010/4_2010/Tsygankova%20%234_2010.pdf
5. Tsygankova V.A., Galkin A.P., Galkina L.O., Musatenko L.I., Ponomarenko S.P., Iutynska H.O. Gene expression under regulators' stimulation of plant growth and development. In “New plant growth regulators: basic research and technologies of application” / eds. S.P. Ponomarenko, H.O. Iutynska. K.: Nichlava, 2011. P. 94 – 160.
6. Tsygankova V.A., Stefanovska T. R., Andrushevich Ya. V., Ponomarenko S. P., Galkin A.P., Blume Ya. B. INDUCTION OF si/miRNA BIOSYNTHESIS WITH ANTIPATHOGENIC AND ANTIPARASITIC PROPERTIES BY GROWTH REGULATORS IN PLANT CELLS. (2012). Biotechnologia acta. V.5, № 3. P. 62–74.
[https://www.academia.edu/5191958/Growth Regulators as Inductors of Synthesis of Antipathogenic si miRNA in Plant Cells](https://www.academia.edu/5191958/Growth_Regulators_as_Inductors_of_Synthesis_of_Antipathogenic_si_miRNA_in_Plant_Cells)
7. Tsygankova V.A., Stefanovska T.R., Galkin A.P., Ponomarenko S.P., Blume Ya.B. (2012). Inducing effect of PGRs on small regulatory si/miRNA in resistance to sugar beet cyst nematode. Comm. Appl. Biol. Sci., Ghent University (Belgium). V. 77/4. P. 779 - 788.
[https://www.academia.edu/3406861/Inducing effect of new plant regulators on synthesis antipathogenic small siRNA and miRNA](https://www.academia.edu/3406861/Inducing_effect_of_new_plant_regulators_on_synthesis_antipathogenic_small_siRNA_and_miRNA)
https://www.researchgate.net/publication/271012977_INDUCING_EFFECT_OF_PGRS_ON_SMALL_REGULATORY_simiRNA_IN_RESISTANCE_TO_SUGAR_BEET_CYST_NEMATODE
8. Tsygankova V.A., Ponomarenko S. P., Hrytsaenko Z. M. (2013). Increase of plant resistance to diseases, pests and stresses with new biostimulants. Acta Horticulturae: I WorldCongress on the Use of Biostimulants in Agriculture. Strasburg (France). 2012; 1009:225-233.
<http://agris.fao.org/agris-search/search.do?recordID=US201400150177>
[http://www.academia.edu/3406881/New plant biostimulants as effective bioprotectors](http://www.academia.edu/3406881/New_plant_biostimulants_as_effective_bioprotectors)
[https://www.researchgate.net/publication/269053573 Increase of Plant Resistance to Diseases Pests and Stresses with New Biostimulants](https://www.researchgate.net/publication/269053573_Increase_of_Plant_Resistance_to_Diseases_Pests_and_Stresses_with_New_Biostimulants)
9. Tsygankova V.A., Ponomarenko S.P., Galkin A.P., Yemets A.I. (2012). THE GROWTH REGULATOR CHARKOR AS INDUCTOR OF BIOMASS ACCUMULATION IN THE

CHICORY «HAIRY ROOTS» CULTURES - PRODUCERS OF POLYFRUCTANS. *Biotechnologia acta*. V.5, № 4. P. 65–74. (In Ukr.).

http://www.academia.edu/3406854/Increase_of_polyfructans_synthesis_by_new_plant_growth_regulator_Charkor

10. Tsygankova V.A., Andrushevich Ya.V., Ponomarenko S.P., Galkin A.P., and Blume Ya.B. (2012). Isolation and Amplification of cDNA from the Conserved Region of the Nematode *Heterodera schachtii* 8H07 Gene with a Close Similarity to Its Homolog in Rape Plants. *Cytology and Genetics*. V.46, № 6. P. 335 - 341. <http://link.springer.com/article/10.3103%2F50095452712060114>
https://www.academia.edu/3406894/Cloning_of_the_antinematode_si_miRNA
11. V.A.Tsygankova, S.P. Ponomarenko, A.P. Galkin, A.I. Yemets. The growth regulator Charkor as stimulator of biomass growth in the chicory "hairy roots" cultures. Abstracts of the 3rd Intern. Symp. "Intracellular Signaling and Bioactive Molecules Design". - Lviv, 2012. - P. 131.
12. Tsygankova V.A., Yemets A.I., Iutynska H.O., Biliavska L.O., Galkin A.P., Blume Ya.B. (2013). Increasing the resistance of rape plants to the parasitic nematode *Heterodera schachtii* using RNAi technology. *Cytology and Genetics*. V.47, № 4. P. 222 - 230. <http://link.springer.com/article/10.3103/S0095452713040105#/page-1>
http://www.academia.edu/4344993/Increasing_of_plant_resistance_to_nematodes_using_RNAi-technology
13. Tsygankova V.A., Yemets A.I., Ponomarenko S.P., Matvieieva A.N., Chapkevich S.E., Kuchuk N.V. (2013). Increase in the synthesis of polyfructan in the cultures of chicory "hairy roots" with plant natural growth regulators. *Int. J. BioMedicine*. V.3, №2. P. 139 - 144. http://www.ijbm.org/articles/3_2_Biotech2.pdf
14. Ponomarenko S.P., Babayans O.V., Tsygankova V.A., Medkov A. Stimulation of immune protection against pathogens and parasites in plants with polyfunctional biostimulants. 53 Sesja Naukowa Instytutu Ochrony Roslin Panstwowego Instytutu Badawczego "Streszczenia". - Poznan. - 2013. - P. 65
15. Tsygankova V.A., Yemets A.I., Blume Ya.B. Role Small Regulatory RNAs in Increase of Rape Plants Tolerance to Parasitic Nematode *Heterodera schachtii*. Abstracts of the Satellite Meeting "Post-transcriptional Gene Regulation in Plants". Rhode Island, USA, 2013. P. 42. https://www.academia.edu/13527958/Abstract_No._53._Role_Small_Regulatory_RNAs_in_Increase_of_Rape_Plants_Tolerance_to_Parasitic_Nematode_Heterodera_schachtii
16. Tsygankova V.A., Iutynska G.A., Galkin A.P., Blume Ya.B. (2014). Impact of New Natural Biostimulants on Increasing Synthesis in Plant Cells of Small Regulatory si/miRNA with High Anti-Nematodic Activity. *Internat. J. Biol.* V.6, № 1. P. 48 - 64. <http://www.ccsenet.org/journal/index.php/ijb/article/view/30388>
17. Tsygankova V.A., Biliavska L.O., Andrushevich Ya.V., Bondarenko O.N., Galkin A.P., Babich O.A., Kozyriska V.E., Iutynska G.O., Blume Ya.B. (2014). Impact of New Microbial PR/PGP Inducers on Increase of Resistance to Parasitic Nematode of Wild and RNAi Transgenic Rape Plants. *Advances in Bioscience and Bioengineering*. V.2, № 1. P. 66 - 103. <http://infinitypress.info/index.php/abb/article/view/887/405>
18. V.A. Tsygankova, S.P. Ponomarenko, Z. M. Hrytsaenko. Biostimulants Stimpo and Regoplant: New Hi-Tech in Agriculture. Abstr. Of II Konferencja Naukowa "Biostymulatory w nowoczesnej uprawie roslin" / pod honorowym patronatem J.M. Rektora SGGW prof. dr hab. Alojzego Szymanskięgo, 25 - 26 lutęgo 2015. - Warszawa, 2015. - P. 98.
19. Tsygankova V.A., Iutynska G.A. Genetic Mechanisms of New Natural Biostimulants' action on Increase of Plant Resistance to Parasitic Nematodes. Annual Scientific Meeting of the American Society of Plant Biologists, July 12-16, 2014, Portland Oregon Conference. P. 286-287. https://www.researchgate.net/publication/295908749_Genetic_Mechanisms_of_New_Natural_Biostimulants%27_Action_on_Increase_of_Plant_Resistance_to_Parasitic_Nematodes
20. Tsygankova V.A., Ponomarenko S.P., Stefanovska T.R., Galkin A.P., Blume Ya.B. RNAi-Mediated Action of Biostimulants on Increase of Resistance of Sugar Beet and Rape Plants to Parasitic Nematode *Heterodera schachtii* Third International Conference of CIS IHSS on Humic

Innovative Technologies Tenth International Conference daRostim «Humic Substances and Other Biologically Active Compounds in Agriculture» HIT-daRostim-2014. November 19 - 23, 2014, Lomonosov Moscow State University, Moscow, Russia. – P. 62-63.

https://www.researchgate.net/publication/269038594_RNAi-Mediated_Action_of_Biostimulants_on_Increase_of_Resistance_of_Sugar_Beet_and_Rape_Plants_to_Parasitic_Nematode_Heterodera_schachtii

[s to Parasitic Nematode *Heterodera schachtii*](https://www.researchgate.net/publication/269038594_RNAi-Mediated_Action_of_Biostimulants_on_Increase_of_Resistance_of_Sugar_Beet_and_Rape_Plants_to_Parasitic_Nematode_Heterodera_schachtii)

21. Tsygankova V.A., Stefanovska T.R., Andrushevich Ya.V., Ponomarenko S.P., Yemets A.I., Grigorik I.O., Blume Ya.B. (2015). RNAi-mediated effect of biostimulant Regoplant in protection of common horse chestnut of *Aesculus* L. genus against damaging action of horse chestnut leaf miner *Cameraria ohridella* Deschka & Dimic. J. of Biol. and Nature. V. 4, № 1. P. 19 - 38. https://www.academia.edu/15067854/RNAi-MEDIATED_EFFECT_OF_BIOSTIMULANT_REGOPLANT_IN_PROTECTION_OF_COMMON_HORSE_CHESTNUT_OF_Aesculus_L_GENUS_AGAINST_THE_DAMAGING_ACTION_OF_HORSE_CHESTNUT_LEAF_MINER_Cameraria_ohridella_DESCHKA_and_DIMIC
22. Tsygankova V.A. Genetic Control and Phytohormonal Regulation of Plant Embryogenesis. Int. J. Med. Biotechnol. Genetics (IJMBG). 2015. V.3, № 1. P. 9 - 20. <http://scidoc.org/IJMBG-2379-1020-03-101.php>
23. Tsygankova V.A. Ponomarenko S.P., Babayants O.V. Biostimulants Stimpo and Regoplant: New High Tech in Agriculture Abstr. of the 2nd World Congress on the use of Biostimulants in Agriculture. 16th -19th November, 2015. Florence Convention Centre, Italy. P. 225. https://www.academia.edu/19679435/P159_A26_Biostimulants_Stimpo_and_Regoplant_New_High_Tech_in_Agriculture
24. Tsygankova V.A., Ponomarenko S.P., Hrytsaenko Z.M. Biostimulants Stimpo and Regoplant: New Hi-Tech in Agriculture Abstr. Of II Konferencja Naukowa “Biostymulatory w nowoczesnej uprawie roślin” / pod honorowym patronatem J.M. Rektora SGGW prof. dr hab. Alojzego Szymanskiiego, 25 - 26 lutego 2015. Warszawa, 2015. P. 98.
25. Biliavska L.O., Tsygankova V.A., Kozyriska V.E., Iutynska G.O., Andrushevich Ya.V., Babich O.A., Galkin A.P., Blume Ya.B. (2016). Application of New Microbial Plant Resistance/Plant Growth Protection Inducers for Increasing Chinese cabbage Plant Tolerance against Parasitic Nematode *Heterodera schachtii* Schmidt. Int. J. Res. Biosciences. V.5, №2. P. 64 - 82. (GIF (Global Impact and Quality Factor): 0.765). https://www.academia.edu/24968815/Application_of_new_microbial_plant_resistance_plant_growth_protection_inducers_for_increasing_Chinese_cabbage_plant_tolerance_against_parasitic_nematode_Heterodera_schachtii_Schmidt
26. Victoria Tsygankova, Elena Shysha, Yaroslav Andrushevich, Anatoly Galkin, Galina Iutynska, Alla Yemets, Yaroslav Blume. (2016). Using of new microbial biostimulants for obtaining in vitro new lines of *Triticum aestivum* L. cells resistant to nematode *H. avenae*. European Journal of Biotechnology and Bioscience. V.4, Issue 4. P. 39 - 53. (RJIF (Research Journal Impact Factor): 5.22). ICV (Index Copernicus Value) 2015: 72.59. <http://www.biosciencejournals.com/archives/2016/vol4issue4/4-4-26.1.pdf>
27. Tsygankova V.A., Bayer O.O., Andrushevich Ya.V., Galkin A.P., Brovarets V.S., Yemets A.I., Blume Ya.B. (2016). Screening of five and six-membered nitrogen-containing heterocyclic compounds as new effective stimulants of *Linum usitatissimum* L. organogenesis in vitro. Int. J. Med. Biotechnol. Genetics. S2:001. P. 1 - 9. <http://scidoc.org/specialissues/IJMBG/S2/IJMBG-2379-1020-S2-001.pdf>
28. Victoria Tsygankova, Yaroslav Andrushevich, Olexandra Shtompel, Artem Hurenko, Roman Solomyannyj, Galyna Mrug, Mikhaylo Frasinjuk, Volodymyr Brovarets. (2016). Stimulating effect of five and six-membered heterocyclic compounds on seed germination and vegetative growth of maize (*Zea mays* L.). International Journal of Biology Research. V.1 Issue 4, P. 1-14. (RJIF (Research Journal Impact Factor): 5.22). https://www.academia.edu/29094174/Stimulating_effect_of_five_and_six-membered_heterocyclic_compounds_on_seed_germination_and_vegetative_growth_of_maize_Zea_mays_L.

29. Victoria Tsygankova, Yaroslav Andrusevich, Olexandra Shtompel, Stepan Pilyo, Volodymyr Prokopenko, Andrii Kornienko, Volodymyr Brovarets. (2016). STUDY OF GROWTH REGULATING ACTIVITY DERIVATIVES OF [1,3]OXAZOLO[5,4-*d*]PYRIMIDINE AND N-SULFONYL SUBSTITUTED OF 1,3-OXAZOLES ON SOYBEAN, WHEAT, FLAX AND PUMPKIN PLANTS. *International Journal of Chemical Studies*. V. 4, Issue 5. P. 106-120. (GIF (Global Impact and Quality Factor): 0.565, RJIF (Research Journal Impact Factor): 4.86), NAAS Rating ([National Academy of Agricultural Sciences](#)): 5.31, ICV (Index Copernicus Value) 2015: 70.91.
<http://www.chemijournal.com/archives/?year=2016&vol=4&issue=5&part=B&ArticleId=325>
30. Victoria Tsygankova, Yaroslav Andrusevich, Olexandra Shtompel, Olexandr Myrolyubov, Artem Hurenko, Roman Solomyanny, Galyna Mrug, Mykhaylo Frasinyuk, Oleg Shablykin, Volodymyr Brovarets. Study of Auxin, Cytokinin and Gibberellin-like Activity of Heterocyclic Compounds Derivatives of Pyrimidine, Pyridine, Pyrazole and Isoflavones. (2016). *European Journal of Biotechnology and Bioscience*. V. 4, Issue 12. P. 29-44. (RJIF (Research Journal Impact Factor): 5.22), ICV (Index Copernicus Value) 2015: 72.59.
https://www.academia.edu/30643603/Study_of_auxin_cytokinin_and_gibberellin-like_activity_of_heterocyclic_compounds_derivatives_of_pyrimidine_pyridine_pyrazole_and_isoflavones
31. Tsygankova V.A., Shysha E.N., Galkin A.P., Yemets A.I., Iutynska G.A., Blume Ya.B. Application of bioregulators of microbiological origin as new effective stimulants of *Triticum aestivum* L. regeneration *in vitro*. (Poster 12). Abstr. Book of 22nd International Conference on Plant Growth Substances. Toronto, Canada, June 21-25th, 2016. P.6.
<https://imgsvr.eventrebels.com/ERImg/01/54/79/Program061516.pdf>
<https://imgsvr.eventrebels.com/ERImg/01/54/79/AbstractBook.pdf>
https://www.academia.edu/26766896/Application_of_bioregulators_of_microbiological_origin_as_new_effective_stimulants_of_Triticum_aestivum_L_regeneration_in_vitro
32. Victoria Tsygankova, Oleg Bayer, Yaroslav Andrusevich, Vladimir Sergeevich Brovarets, Alla Yemets, and Yaroslav Blume. Inducing effect of low molecular weight nitrogen-containing heterocyclic compounds on direct shoot organogenesis of *Linum usitatissimum* L. *in vitro*. (Poster 87). Abstr. Book of 22nd International Conference on Plant Growth Substances. - Toronto, Canada, June 21-25th, 2016. - P. 41.
<https://imgsvr.eventrebels.com/ERImg/01/54/79/Program061516.pdf>
<https://imgsvr.eventrebels.com/ERImg/01/54/79/AbstractBook.pdf>
https://www.academia.edu/26767480/Inducing_effect_of_low_molecular_weight_nitrogen-containing_heterocyclic_compounds_on_direct_shoot_organogenesis_of_Linum_usitatissimum_L_in_vitro
33. Tsygankova V.A., Ponomarenko S.P., Hrytsaenko Z.M., Babayants O.V. Increase of plant resistance to diseases, pests and stresses with new biostimulants Stimpo and Regoplant. 2016 PROGRAM 43RD ANNUAL MEETING OF THE PLANT GROWTH REGULATION SOCIETY OF AMERICA. JULY 17 – JULY 21, 2016, SHERATON RALEIGH HOTEL, RALEIGH, NORTH CAROLINA. P.30.
https://www.researchgate.net/publication/309565380_INCREASE_OF_PLANT_RESISTANCE_TO_DISEASES_PESTS_AND_STRESSES_WITH_NEW_BIOSTIMULANTS_STIMPO_AND_REGOPLANT
34. S. P. Ponomarenko, Z. M. Hrytsaenko, V. A. Tsygankova, O.V. Babayants. SYNERGISTIC EFFECT OF BIOREGULATORS WITH PESTICIDES AND HERBICIDES ON IMPROVING GROWTH, YIELD QUALITY AND CROP RESISTANCE AGAINST PATHOGENS AND PESTS. 2016. Proceedings of the 43rd Annual Meeting of the Plant Growth Regulation Society of America. JULY 17 – JULY 21, 2016, SHERATON RALEIGH HOTEL, RALEIGH, NORTH CAROLINA, pp. 110-125.
https://www.academia.edu/32194986/SYNERGISTIC_EFFECT_OF_BIOREGULATORS_WITH_PESTICIDES_AND_HERBICIDES_ON_IMPROVING_GROWTH_YIELD_QUALITY_AND_CROP_RESISTANCE_AGAINST_PATHOGENS_AND_PESTS_In_Proceedings_of_the_43rd_Annual_Meeting_of_the_Plant_Growth_Regulation_Society_of_America

35. Ponomarenko Sergii, Tsygankova Victoria, Babayants Olga. NEW BIOSTIMULANTS INCREASE OF PLANT RESISTANCE TO DISEASES, PESTS AND STRESS. In: AGROBIODIVERSITY for improving nutrition, health and life quality 2016. Scientific proceedings of the international network AgroBioNet of the institution and researcher of international research, education and development programme "Agrobiodiversity for improving nutrition, health, and life quality 2016". Nitra, November 2016. pp. 372-376. https://www.academia.edu/32194870/NEW_BIOSTIMULANTS_INCREASE_OF_PLANT_RESISTANCE_TO_DISEASES_PESTS_AND_STRESS. In *Agrobiodiversity for improving nutrition on health and life quality 2016. The scientific proceedings of the international network AgroBioNet*
36. Victoria Tsygankova, Oleg Bayer, Yaroslav Andrusevich, Vladimir Sergeevich Brovarets, Alla Yemets, and Yaroslav Blume. Inducing effect of low molecular weight nitrogen-containing heterocyclic compounds on direct shoot organogenesis of *Linum usitatissimum* L. *in vitro*. (Poster 87). Abstr. Book of 22nd International Conference on Plant Growth Substances. - Toronto, Canada, June 21-25th, 2016. - P. 41. https://www.academia.edu/26766663/Poster_87_Inducing_effect_of_low_molecular_weight_nitrogen-containing_heterocyclic_compounds_on_direct_shoot_organogenesis_of_Linum_usitatissimum_L_in_vitro_Hormones_and_biotechnology
37. Victoria Tsygankova, Yaroslav Andrusevich, Olexandra Shtompel, Olexandr Romaniuk, Marharyta Yaikova, Artem Hurenko, Roman Solomyanny, Esma Abdurakhmanova, Svitlana Klyuchko, Oleksandr Holovchenko, Olga Bondarenko, Volodymyr Brovarets. Application of Synthetic Low Molecular Weight Heterocyclic Compounds Derivatives of Pyrimidine, Pyrazole and Oxazole in Agricultural Biotechnology as a New Plant Growth Regulating Substances. *Int J Med Biotechnol Genetics*. 2017; S2:002, 10-32. <http://scidoc.org/specialissues/IJMBG/S2/IJMBG-2379-1020-S2-002.pdf>
38. Victoria Tsygankova, Elena Shysha, Anatoly Galkin, Lyudmila Biliavska, Galina Iutynska, Alla Yemets, Yaroslav Blume. (2017). Impact of Microbial Biostimulants on Induction of Callusogenesis and Organogenesis in the Isolated Tissue Culture of Wheat *in vitro*. *J. Med. Plants. Stud.* 5(3): 155-164. (RJIF (Research Journal Impact Factor): 5.69), NAAS Rating (National Academy of Agricultural Sciences): 3.53, ICV (Index Copernicus Value) 2015: 70.52). <http://www.plantsjournal.com/archives/2017/vol5issue3/PartC/5-3-6-139.pdf>
39. Adejuwon A.O., Tsygankova V.A. Use of Tropical Strains: *Aspergillus vadensis* and *Aspergillus oryzae* as Producers of α -Amylases in Biotechnological Practice. *Int J Med Biotechnol Genetics*. 2017. 5(2), 57-63. <http://scidoc.org/IJMBG-2379-1020-05-201.php> <http://scidoc.org/articlepdfs/IJMBG/IJMBG-2379-1020-05-201.pdf> https://www.academia.edu/33573931/Use_of_Tropical_Strains_AspERGILLUS_vadensis_and_AspERGILLUS_oryzae_as_Producers_of_alpha-Amylases_in_Biotechnological_Practice
40. V.A. Tsygankova, Ya.V. Andrusevich, O.I. Shtompel, V.S. Brovarets. Stimulating Effect of Synthetic Low Molecular Weight Heterocyclic Compounds Phosphorylated Derivatives of Oxazole and Pyrimidine on Vegetative Growth of Maize (*Zea mays* L.) hybrid Palmyra FAO 190. (2017). Thesis on the IX INTERNATIONAL CONFERENCE IN CHEMISTRY KYIV-TOULOUSE (ICKT-9). P.179. https://www.academia.edu/33474263/STIMULATING_EFFECT_OF_SYNTHETIC_LOW_MOLECULAR_WEIGHT_HETEROCYCLIC_COMPOUNDS_PHOSPHORYLATED_DERIVATIVE_S_OF_OXAZOLE_AND_PYRIMIDINE_ON_VEGETATIVE_GROWTH_OF_MAIZE_ZEA_MAYS_L_HYBRID_PALMYRA_FAO_190. Thesis on the 9th International Conference in Chemistry Kyiv-Toulouse ICTK-9 . P. 179
41. Tsygankova V.A., Andrusevich Ya.V., Shtompel O.I., Kopich V.M., Pilyo S.G., Prokopenko V.M., Kornienko A.M, Brovarets V.S. Intensification of Vegetative Growth of Cucumber by Derivatives of [1,3]oxazolo[5,4-*d*]pyrimidine and N-sulfonyl substituted of 1,3-oxazole. *Research Journal of Life Sciences, Bioinformatics, Pharmaceutical, and Chemical Sciences (RJLBPCS)*. 2017. V.3, № 4. P. 107–122. DOI - 10.26479/2017.0304.09. (Impact Factor: 2.425; Indexing under Process in Scopus, Pubmed and Elsevier). http://rjlbpcs.com/articles.php?issue_id=16

https://www.academia.edu/35533071/INTENSIFICATION_OF_VEGETATIVE_GROWTH_OF_CUCUMBER_BY_DERIVATIVES_OF_1_3_OXAZOLO_5_4-D_PYRIMIDINE_AND_N-SULFONYL_SUBSTITUTED_OF_1_3-OXAZOLE

42. Tsygankova V., Andrusevich Ya., Shtompel O., Kopich V., Solomyanny R., Bondarenko O., Brovarets V. (2018). Phytohormone-like effect of pyrimidine derivatives on regulation of vegetative growth of tomato. *International Journal of Botany Studies*, 3(2), 91-102. (**RJIF (Research Journal Impact Factor): 5.12, Indexed in Web of Science**).
https://www.academia.edu/36295008/Phytohormone-like_effect_of_pyrimidine_derivatives_on_regulation_of_vegetative_growth_of_tomato
43. Tsygankova V., Andrusevich Ya., Kopich V., Shtompel O., Pilyo S., Kornienko A.M, Brovarets V. Use of Oxazole and Oxazolopyrimidine to Improve Oilseed Rape Growth, *Scholars Bulletin*, 2018; 4(3): 301 – 312. DOI: 10.21276/sb.2018.4.3.8. (ISSN 2412-9771 (Print), ISSN 2412-897X (Online), Journal Impact Factor 0.74, **Index Copernicus ICV 65.47**).
https://www.academia.edu/36455550/Application_of_Oxazole_and_Oxazolopyrimidine_as_New_Effective_Regulators_of_Oilseed_Rape_Growth
44. Tsygankova V.A., Andrusevich Ya.V., Shtompel O.I., Pilyo S.G., Kornienko A.M., Brovarets V.S. Using of [1,3]oxazol[5,4-d]pyrimidine and N-sulfonyl substituted of 1,3-oxazole to improve the growth of soybean seedlings. **Chemistry Research Journal**, 2018, 3(2):165-173. (ISSN: 2455-8990 CODEN(USA): CRJHA5).
https://www.academia.edu/36668230/Using_of_1_3_oxazolo_5_4-d_pyrimidine_and_N-sulfonyl_substituted_of_1_3-oxazole_to_improve_the_growth_of_soybean_seedlings
45. Tsygankova V.A., Andrusevich Ya.V., Shtompel O.I., Pilyo S.G., Kornienko A.M., Brovarets V.S. Acceleration of vegetative growth of wheat (*Triticum aestivum* L.) using [1,3]oxazol[5,4-d]pyrimidine and N-sulfonyl substituted 1,3-oxazole. **The Pharmaceutical and Chemical Journal**. 2018, 5(2), P.167-175. (ISSN: 2349-7092, CODEN(USA): PCJHBA, Global Impact Factor Year 2014: 0.454 Year 2015: 0.543).
https://www.academia.edu/36833274/Acceleration_of_vegetative_growth_of_wheat_Triticum_aestivum_L_using_1_3_oxazolo_5_4-d_pyrimidine_and_N-sulfonyl_substituted_1_3-oxazole
46. Tsygankova V.A., Andrusevich Ya.V., Shtompel O.I., Shablykin O.V., Hurenko A.O., Solomyanny R.M., Mrug G.P., Frasinuk M.S., Pilyo S.G., Kornienko A.M., Brovarets V.S. Auxin-like effect of derivatives of pyrimidine, pyrazole, isoflavones, pyridine, oxazolopyrimidine and oxazole on acceleration of vegetative growth of flax. *International Journal of PharmTech Research*, 2018,11(3): 274-286.
<http://dx.doi.org/10.20902/IJPTR.2018.11309> (CODEN (USA): IJPRIF, ISSN: 0974-4304, ISSN (Online): 2455-9563, ICV: 115.23, Source Normalized Impact Per Paper (SNIP) 2014 = 0.66, Impact per Publication = 0.619, H index = 28). https://www.academia.edu/36997305/Auxin-like_effect_of_derivatives_of_Pyrimidine_Pyrazole_Isoflavones_Pyridine_Oxazolopyrimidine_and_Oxazole_on_acceleration_of_Vegetative_growth_of_Flax
47. Tsygankova V.A., Andrusevich Ya.V., Shtompel O.I., Solomyanny R.M., Hurenko A.O., Frasinuk M.S., Mrug G.P., Shablykin O.V., Pilyo S.G., Kornienko A.M., Brovarets V.S. Study of auxin-like and cytokinin-like activities of derivatives of pyrimidine, pyrazole, isoflavones, pyridine, oxazolopyrimidine and oxazole on haricot bean and pumpkin plants. *International Journal of ChemTech Research*, 2018,11(10): 174-190.
https://www.academia.edu/37428075/Study_of_auxin-like_and_cytokinin-like_activities_of_derivatives_of_pyrimidine_pyrazole_isoflavones_pyridine_oxazolopyrimidine_and_oxazole_on_haricot_bean_and_pumpkin_plants
48. Adekunle Odunayo Adejuwon, Victoria Anatolyivna Tsygankova, Oluwafisayo Alonge. Effect of cultivation conditions on activity of α -amylase from a tropical strain *Aspergillus Flavus Link*. *Journal of Microbiology, Biotechnology and Food Sciences (JMBFS)*, 2018, 7(6), P. 571-575. DOI: 10.15414/jmbfs.2018.7.6.571-575 (Indexed in **Scopus**).
https://www.academia.edu/36837875/EFFECT_OF_CULTIVATION_CONDITIONS_ON_ACTIVITY_OF_%CE%B1-AMYLASE_FROM_A_TROPICAL_STRAIN ASPERGILLUS FLAVUS LINK
49. V.A. TSYGANKOVA, Ya.V. ANDRUSEVICH, E.N. SHYSHA, S.I. SPIVAK, L.O. BILIAVSKA, G.A. IUTYNSKA, A.I. YEMETS, Ya.B. BLUME. Using Bioregulators of

Microbiological Origin under In Vitro Conditions to Obtain New Lines of Wheat with Increased Resistance to Plant Parasitic Nematodes. The 4th International Symposium on EuroAsian Biodiversity (SEAB2018). (Eds.) Institute of Cell Biology and Genetic Engineering (NASU) and Taras Shevchenko National University of Kyiv, UKRAINE. P. 419. https://www.academia.edu/37213048/Using_Bioregulators_of_Microbiological_Origin_under_In_Vitro_Conditions_to_Obtain_New_Lines_of_Wheat_with_Increased_Resistance_to_Plant_Parasitic_Nematodes

50. Victoria Tsygankova, Elena Shysha, Lyudmila Biliavska, Galina Iutynska, Alla Yemets, Yaroslav Blume. Obtaining New Lines of Wheat Cells with RNAi-mediated Resistance against Plant-Parasitic Nematodes using New Microbial Bioregulators. 2nd International Conference on Innovations in Natural Science and Engineering, Kyiv, Ukraine. P. 5. https://www.academia.edu/37640206/Obtaining_New_Lines_of_Wheat_Cells_with_RNAi-mediated_Resistance_against_Plant-Parasitic_Nematodes_using_New_Microbial_Bioregulators
51. Tsygankova V A, Andrusevich Ya V, Shtompel O I and Brovarets V S. Using the derivatives of pyrimidine, pyrazole, isoflavones, pyridine, oxazolopyrimidine and oxazole as new substitutes of auxins and cytokinins for regulation of plant growth. Proceedings of 4th International Conference on Advances in Biotechnology and Bioscience (Adv. Biotech 2018). J Biotechnol Biomater, 2018, Vol. 8, P. 74. DOI: 10.4172/2155-952X-C6-104 <https://www.omicsonline.org/proceedings/using-the-derivatives-of-pyrimidine-pyrazole-isoflavones-pyridine-oxazolopyrimidine-and-oxazole-as-new-substitutes-of-auxins-and-c-98954.html>
52. V.A. Tsygankova, Ya.V. Andrusevich, E.N. Shysha, L.O. Biliavska, T.O. Galagan, A.P. Galkin, A.I. Yemets, G.A. Iutynska and Ya.B. Blume. RNAi-mediated Resistance against Plant Parasitic Nematodes of Wheat Plants Obtained *in Vitro* Using Bioregulators of Microbiological Origin. Current Chemical Biology. 2019. Vol. 13, Issue 1, P. 73 – 89. DOI: 10.2174/2212796812666180507130017 (ISSN 1872-3136 (Online), ISSN 2212-7968 (Print), Indexed in Scopus). https://www.academia.edu/36846949/RNAi-mediated_Resistance_against_Plant_Parasitic_Nematodes_of_Wheat_Plants_Obtained_in_Vitro_Using_Bioregulators_of_Microbiological_Origin
53. Blyuss K.B., Fatehi F., Tsygankova V.A, Biliavska L.O., Iutynska G.O., Yemets A.I. and Blume Y.B. (2019). RNAi-Based Biocontrol of Wheat Nematodes Using Natural Poly-Component Biostimulants. Front. Plant Sci. 10: 483. doi: 10.3389/fpls.2019.00483. (Impact Factor 4.298 (2016), 3.677 (2017), Indexed in Web of Science and Scopus). https://www.researchgate.net/publication/332490083_RNAi-Based_Biocontrol_of_Wheat_Nematodes_Using_Natural_Poly-Component_Biostimulant
54. Adekunle Odunayo Adejuwon, Victoria Anatolyivna Tsygankova, Abiola Muhammad Adeosun, Adefemi Olawale Falase, Olubunmi Sharon Obayemi, Fatai Ishola Amusa. Phytochemical screening and antimicrobial efficacy of the root bark of *Securidaca longipedunculata* extracts. AMERICAN JOURNAL OF RESEARCH IN MEDICAL SCIENCES. 2019. Vol. 5, No 1, P. 7 – 13. doi: 10.5455/ajrms.20181204113428. <http://www.ajrms.com/?mno=20163>
55. Adejuwon A.O. and Tsygankova V.A. Phyto-Chemical Screening and Ethno-Botanical Properties of Selected Plants of the Obafemi Awolowo University, Ile-Ife, Nigeria. J Complement Med Alt Healthcare. 2019; 9(3): 555761. <http://dx.doi.org/10.19080/JCMAH.2019.09.555761>
56. Tsygankova V.A., Andrusevich Ya.V., Shtompel O.I., Kopich V.M., Solomyanny R.M., Brovarets V.S. Study of regulating activity of synthetic low molecular weight heterocyclic compounds, derivatives of pyrimidine on growth of tomato (*Solanum lycopersicum* L.) seedlings. International Journal of ChemTech Research, 2019, Vol.12 No.05, pp 26-38. http://www.sphinxesai.com/2019/ch_vol12_no5/ch01.htm (CODEN (USA): IJCRGG, ISSN: 0974-4290, ICV: 112.85, Source Normalized Impact Per Paper (SNIP) 2014 = 0.598, Impact per Publication (IPP) = 0.515, H index = 23).
57. Adekunle Odunayo Adejuwon, Victoria Anatolyivna Tsygankova, Olubunmi Sharon Obayemi. α -Amylase Production Using *Aspergillus vadensis* Isolated From Pulverized Cocoa Seeds. Life Science Journal 2019; 16(8). P. 64 – 70. http://www.lifesciencesite.com/ljsj/ljsj160819/08_35206ljsj160819_64_70.pdf

58. Tsygankova V.A., Andrusevich Ya.V, Shtompel O.I, Kopich V.M, Panchyshyn S.Ya, Vydzhak R.M, Brovarets V.S (2019). Application of Pyrazole Derivatives As New Substitutes of Auxin IAA To Regulate Morphometric and Biochemical Parameters of Wheat (*Triticum Aestivum* L.) Seedlings. JOURNAL OF ADVANCES IN AGRICULTURE, 10, 1772-1786. <https://doi.org/10.24297/jaa.v10i0.8341>
59. Adejuwon, A.O., Tsygankova, V.A., Adeosun, A.M., Obayemi, O.S. & Oyatunde, G. (2019). The antimicrobial efficacy and phytochemical analysis of the stem bark of *Azadirachta indica* (Neem). Poster Abstract (Poster Number: 1003) published at Keystone Symposia on Molecular and Cellular Biology Conference with the Theme: Microbiome: Therapeutic Implications (T1) held October 6th – 10th, 2019 at INEC Killarney Convention Centre, Killarney, Co. Kerry, Republic of Ireland, Northwest Europe. <http://www.keystonesymposia.org>
60. V.A. Tsygankova, E.N. Shysha, L.O. Biliavska, G.A. Iutynska, A.I. Yemets, Ya.B. Blume. Application of microbial biostimulants to increase wheat (*Triticum Aestivum* L.) resistance against cereal cyst nematode *Heterodera avenae*. Proceeding XV International scientific-applied conference daRostim BIOLOGICALLY ACTIVE PREPARATIONS FOR PLANT GROWING SCIENTIFIC BACKGROUND -RECOMMENDATIONS -PRACTICAL RESULTS. Kyiv, 2019. P. 22 – 23.
61. Adejuwon, A.O., Tsygankova, V.A., Obayemi, O.S. & Rotimi, J. (2020). The anti-microbial efficacy and biochemical analysis of *Morinda lucida* leaves. Poster Abstract (Poster Number: 1001) published at Keystone Symposia on Molecular and Cellular Biology Conference with the Theme: Beyond a Million Genomes: From Discovery to Precision Health (A4) held January 21st – January 25th, 2020 at Beaver Run Resort, Breckenridge, Colorado, United States of America.
62. Tsygankova Victoria, Andrusevich Yaroslav, Shtompel Olexandra, Kopich Victor, Panchishin S.Ya., Vijak R.M., Brovarets Volodymyr. APPLICATION OF PYRAZOLE DERIVATIVES AS REGULATORS OF GROWTH AND DEVELOPMENT OF WHEAT PLANTS (*TRITICUM AESTIVUM* L.).COLLECTION OF ARTICLES «FUNDAMENTAL AND APPLIED RESEARCH IN MODERN CHEMISTRY». On materials of the 6th International Correspondence Scientific-Practical Conference of Young Scientists: Nizhyn, 2019. P. 110-118.
63. Tsygankova Victoria, Andrusevich Yaroslav, Kopich Victor, Shtompel Olexandra, Solomyanny Roman, Klyuchko Svetlana, Brovarets Volodymyr. Application of pyrimidine derivatives as new regulators of tomato plant growth. Abstracts of the 3rd International scientific and practical conference “Dynamics of the development of world science”. Perfect Publishing. Vancouver, Canada, 2019. P. 444 – 454. <http://sci-conf.com.ua>
64. Victoria Tsygankova et al. (2019), Screening of New Effective Regulators of Oilseed Rape Growth Among Derivatives of Oxazole and Oxazolopyrimidine. Proceedings of World Congress and Expo on Chemistry during November 15-17, 2018 in Rome, Italy. Int J Pharm Sci & Scient Res. 5:3, 34.
65. Iutynska G.O., Biliavska L.O., Babych O.A., Tsygankova V.A., Babych A.G. The Monograph «Plant protection and bioregulation in modern agriculture» / Ed. "Diamond trading tour" Warszawa. Poland, 2019.- 100 p. ISBN: 978-83-66030-73-2
66. The Monograph “Advances and Trends in Biotechnology and Genetics Vol. 3” / Eds. Dr. Tsygankova Victoria Anatolyivna; Prof. Dr. Lanzhuang Che. Book Publisher International. SCIENCEDOMAIN international Ltd. 2019. 166 p. DOI [10.9734/bpi/atbg/v3](https://doi.org/10.9734/bpi/atbg/v3). ISBN9789389562460. (Indexed in Scopus). <http://www.bookpi.org/bookstore/product/advances-and-trends-in-biotechnology-and-genetics-vol-3/>
67. The Monograph “ Research Advances in Plant Biotechnology”. **Series: [Plant Science Research and Practices](#)** / Ed. Yaroslav B. Blume. Chapter 6. Victoria A. Tsygankova, Konstantin B. Blyuss, Elena N. Shysha, Lyudmila A. Biliavska, Galina A. Iutynska, Yaroslav V. Andrusevich, Sergey P. Ponomarenko, Alla I. Yemets and Yaroslav B. Blume. “Using Microbial Biostimulants to Deliver RNA Interference in Plants as an Effective Tool for Biocontrol of Pathogenic Fungi, Parasitic Nematodes and Insects”. Pp. 205-319. Nova Science Publishers, Inc. USA. 2020. 375 p. ISBN: 978-1-53616-432-9.

<https://novapublishers.com/shop/research-advances-in-plant-biotechnology/>

68. Tsygankova Victoria, Medvedieva Tamara, Natalchuk Tetiana, Udovychenko Kateryna, Andrusevich Yaroslav, Kopich Victor, Shtompel Olexandra, Klyuchko Svetlana, Brovarets Volodymyr STUDY OF THE IMPACT OF PYRIMIDINE DERIVATIVES ON ROOTING MICROSHOOTS OF CHERRY (*PRUNUS CERASUS* L.) UNDER IN VITRO CULTURE CONDITIONS. 5th International scientific and practical conference “SCIENTIFIC ACHIEVEMENTS OF MODERN SOCIETY”. Cognum Publishing House. Liverpool, United Kingdom, 2020. P. 1063 – 1076. <http://sci-conf.com.ua>
69. Tsygankova V.A., Andrusevich Ya.V., Miroylyubov O.V., Shtompel O.I., Kopich V.M., Klyuchko S.V., Brovarets V.S. APPLICATION OF SODIUM AND POTASSIUM SALTS OF METHYUR FOR GROWING LETTUCE (*LACTUCA SATIVA* L.) IN HYDROPONIC CONDITIONS. Abstracts of V International Scientific and Practical Conference. Osaka, Japan. 2020. Pp. 820-833. <https://sci-conf.com.ua/category/konferenciya-v-yaponii/>
70. Tsygankova V.A., Voloshchuk I.V., Andrusevich Ya.V., Shtompel O.I., Kopich V.M., Klyuchko S.V., Brovarets V.S. Using pyrimidine and pyridine derivatives for regulation of growth and development of barley plants. Innovative development of science and education. Abstracts of the 1st International scientific and practical conference INNOVATIVE DEVELOPMENT OF SCIENCE AND EDUCATION. ISGT Publishing House. Athens, Greece. 2020. Pp. 52-68. URL: <http://sci-conf.com.ua>
71. Tsygankova Victoria, Voloshchuk Iryna, Andrusevich Yaroslav, Shtompel Olexandra, Kopich Victor, Klyuchko Svetlana, Brovarets Volodymyr. THE INFLUENCE OF THE DERIVATIVE OF PYRIMIDINE – METHYUR ON THE YIELD OF THE MAIZE, BEET AND OATS PLANTS. Abstracts of the 8th International scientific and practical conference TOPICAL ISSUES OF THE DEVELOPMENT OF MODERN SCIENCE. Publishing House “ACCENT”. Sofia, Bulgaria. 2020. Pp. 514-523. URL: <http://sci-conf.com.ua>.
72. Blyuss, K.B., Al Basir, F., Tsygankova, V.A. *et al.* Control of mosaic disease using microbial biostimulants: insights from mathematical modelling. *Ricerche di Matematica*. (2020). <https://doi.org/10.1007/s11587-020-00508-6> (**Indexed in Scopus, IF 1.16. SCImago Journal Rank (SJR) 0.357. h-index 14. Publisher Springer-Verlag Italia**). [academia.edu/42772642/Control_of_mosaic_disease_using_microbial_biostimulants_insights_from_mathematical_modelling](https://www.academia.edu/42772642/Control_of_mosaic_disease_using_microbial_biostimulants_insights_from_mathematical_modelling)
73. Adekunle Odunayo Adejuwon, Victoria Anatolyivna Tsygankova, Olubunmi Sharon Obayemi, Hannah Odunola Ogundare. The Anti-microbial Efficacy and Phytochemical Analysis of the Root Bark of *Uvaria chamaea*. *Nature and Science* 2020; 18(5). P. 73 – 80. <http://www.sciencepub.net/nature>
74. Adekunle Odunayo Adejuwon, Olubunmi Sharon Obayemi, Olaleke David Odeleye, Victoria Anatolyivna Tsygankova. COVID-19 in Nigeria, West Africa: An Update. *Advances in Bioscience and Bioengineering*. 2020; 8(2): P. 1-12. <https://doi.org/10.28924/ip/abb.1938>
75. Adekunle Odunayo Adejuwon and Victoria Anatolyivna Tsygankova. Chapter 3. α -Amylase Production by Toxigenic Strains of *Aspergillus* and *Penicillium*. Pp. 1-22. In Monograph “Aflatoxin B1 Occurrence, Detection and Toxicological Effects” Ed. by Xi-Dai Long. IntechOpen, 2020. DOI: 10.5772/intechopen.77925. <https://www.intechopen.com/books/aflatoxin-b1-occurrence-detection-and-toxicological-effects>
76. Adekunle Odunayo Adejuwon, Olubunmi Sharon Obayemi, Olaleke David Odeleye, Victoria Anatolyivna Tsygankova, Oluwakemi Thonda. Inhibitory Actions of a Medicinal Plants’ Extract on SARS-CoV-2 and COVID-19. *Cancer Biology* 2020; 10(3). P. 1-3.
77. Adejuwon, A.O., Donova, M.V., Obayemi, O.S. & Tsygankova, V.A. (2020). SARS-CoV-2 and COVID-19 phyto-activity in individuals with hematopoietic stem cell transplants. *Stem Cell (Manhattan, New York, United States of America)*. 11(3): 39-41.
78. Adejuwon, A.O., Odeleye, O.D., Odewale, O.A., Obayemi, O.S., Tsygankova, V.A., Thonda, O. & Donova, M.V. (2020). Effective medicinal plants’ extract on ability to properly empty bladder in patients with benign prostatic hyperplasia and *Escherichia coli* infection. *Stem Cell (Manhattan, New York, United States of America)*. 11(3): 42-44.