



TARKIBIDA GLIKOZIDLAR BO'LGAN DORIVOR O'SIMLIKLAR

Shukurova Shoxina Tuyg'unovna

Teacher of the "General Sciences" department
of the Asian International

University

Bukhara Uzbekistan

e-mail:shukurovashoxinatuygunovna@oxu.uz

<https://doi.org/10.5281/zenodo.10521602>

ARTICLE INFO

Qabul qilindi: 07-January 2024 yil

Ma'qullandi: 10- January 2024 yil

Nashr qilindi: 17- January 2024 yil

KEY WORDS

og'zi yopiladigan idish, o'lchov
idishi, suv, doka, tarkibida
glikozidlar bo'lgan dorivor
o'simliklarning yer ustki qismlari.

ABSTRACT

Ushbu maqolada tarkibida glikozidlar bo'lgan dorivor o'simliklar to'g'risidagi bilimlarini boyitish, ulardan to'g'ri foydalanish usullarini o'rganish, amaliy ko'nikmalarni shakllantirish. Tarkibida glikozidlar bo'lgan dorivor o'simliklardan uy sharoitida damlama va qaynatmalar tayyorlashni o'rganib olish mumkin.

Ortosifon, buyrak choy (*Orthosiphon stamineus*) yasnotkadoshlar *Lamiaceae* (labguldoshlar — *Labiatae*) oilasiga kiradi.

Ko'p yillik, bo'yi 1—1,5 m ga yetadigan doim yashil yarim buta yoki buta. Bargi oddiy, bandi bilan poyada butsimon shaklda qarama-qarshi o'rnashgan. Mevasi 1—4 ta yong'oqchadan iborat. Iyul-avgust oylarida gullaydi. Vatani Janubi-Sharqiy Osiyoning tropik rayonlari. U yovvoyi holda Indoneziyada (Yava, Sumatra va Borneo orollarida), Birmada, Filippinda va Shimoliy-Sharqiy Avstraliyada o'sadi. Bir yillik o'simlik sifatida Gruziyaning subtropik tumanlarida o'stiriladi. O'simlik qishda oranjereyada saqlanadi. Erta bahorda undan 2 ta bargli novdachalar qirqib olinadi va oranjereyada ko'chat qilib o'tqaziladi. May oyida esa bu ko'chatlar ochiq yerga o'tqaziladi.

Dorivor preparati. Damlama.

Nashasimon kendir (*Apocynum cannabinum*) kendirdoshlar — *Apocynaceae* oilasiga kiradi. Nashasimon kendir ko'p yillik, bo'yi 1—1,5 sm ga yetadigan o't o'simlik. Ildiz sistemasi yer ostida juda kuchli taraqqiy etgan bo'lib, o'simlikning vegetativ ko'payishida katta ahamiyatga ega. Yer ostida ildizning yuqori qismidan turli tomonga yo'nalgan hamda gorizontall joylashgan yer ostki yotiq novdalar — stolonlar chiqadi. Stolonlar ma'lum yerda yer ustki poya va ildizlar hosil qiladi. Natijada kendir o'simligi bir-biri bilan yer ostida chatishib, bir necha gektarga tarqalib ketadi.

Poyasi tik o'suvchi, yashil yoki to'q qizil rangli bo'lib, qarama-qarshi shoxlangan. Bargi oddiy, lansetsimon yoki cho'ziq tuxumsimon, o'tkir uchli, tekis qirralli, tuksiz poyada qisqa bandi bilan qarama-qarshi, ba'zan ketma-ket o'rnashgan. Gullari ro'vaksimon qalqonga to'plangan.

Gulkosachasi chuqur besh bo'lakka qirqilgan, gultojisi pushti yoki oq, silindrsimon-qo'ng'iroqsimon bo'lib, yarmisiga qadar besh bo'lakka qirqilgan. O'taligi 5 ta, onaligi ikkita meva bargidan tashkil topgan. Mevasi — pishganda ochiladigan bargcha.

Iyun-avgust oylarida gullaydi, mevasi sentabr-oktabrda yetiladi. Bu o'simlik yovvoyi holda Shimoliy Amerikada o'sadi. Moskva viloyati, O'zbekistonda (Toshkent viloyatida) o'stiriladi.



Apocynum cannabinum - nashasimon kendir

Ildizpoya va stolonidan 0,17—0,50% gacha simarin (gidrolizlanganda simaroza kandigav va strofantidin aglikoniga parchalanadi), apokannoqid, sinokannoqid, 0,33% gacha K-strofantin-b va boshqa yurak glikozidlari ajratib olingan. Urugo'ida 0,35%, bargida esa kam miqdorda yurak glikozidlari bor.

Dorivor preparatlari. Simarin standart.

TADQIQOT NATIJALAR

1. Ortosifon o'simligining preparati siydik haydovchi vositasi sifatida buyrak (buyrak tosh kasalligi) hamda xoletsistit va yurak glikozidlari bilan birgalikda yurak qon tomiri sistemasining II - III darajali kasalliklarida ishlatiladi.

2. Nashasimon kendir o'simligining preparatlari yurak kasalliklarida (qon aylanishining II va III darajali buzilishida) ishlatiladi. Bu o'simlik preparatlarini chet mamlakatlardan keltiriladigan strofant o'simligi preparatlari o'rnida ishlatish tavsiya etiladi.

XULOSA

Orthosiphon stamineus - **ortosifon, buyrak choy**. Mahsulot tarkibida triterpen saponinlar, m-inozit, achchiq ortosifonin glikozidi, 1,5% gacha vino, limon va boshqa kislotalar, 0,2—0,66% efir moyi, 5—6% oshlovchi va boshqa moddalar hamda ko'p miqdorda kaliy tuzlari bo'ladi. Saponinlardan birining anglikoni — sapofanin a-amirin ekanligi aniqlandi.

Apocynum cannabinum - **nashasimon kendir**

Mahsulot tarkibida 0,8% gacha yurak glikozidlari, tanin, kauchuk, oz miqdorda alkaloidlar, organik kislotalar, triterpen (oleanol kislota, amirin, lupeol va boshqalar) hamda boshqa

birikmalar bo'ladi.

Adabiyotlar ro'yxati:

1. .Bakhshullayevich, T. B., & Shaxina, S. (2022). Classification of Enzymes. EUROPEAN JOURNAL OF BUSINESS STARTUPS AND OPEN SOCIETY, 2(5), 37-39.
2. Toxirov, B. B., Tagaeva, M. B., & Shukurova, S. (2023). Obtaining stabilized enzymes and their application in the food industry. Science and Education, 4(4), 529–537. Retrieved from <https://openscience.uz/index.php/sciedu/article/view/5560>
3. Tuyg'unovna, S. S. (2023). DORIVOR NA'MATAKNING FOYDALI XUSUSIYATLARI VA TIBBIYOTDA QO'LLANILISHI. TA'LIM VA RIVOJLANISH TAHLILI ONLAYN ILMIY JURNALI, 3(9), 11-13.
4. Shukurova, S. (2023). DORIVOR ACHCHIQ BODOM URUG'INING SHIFOBAXSHLIGI, DORI TAYYORLASH USULLARI. Центральноеазиатский журнал образования и инноваций, 2(10 Part 3), 116-120.
5. Tuyg'unovna, S. S. (2023). USEFUL PROPERTIES OF THE MEDICINAL PRODUCT AND USE IN MEDICINE. Gospodarka i Innowacje., 40, 179-181.
6. Shukurova, S. (2023). DORIVOR O'SIMLIKARNING KIMYOVIY TARKIBI VA TASNIFI. Центральноеазиатский журнал образования и инноваций, 2(11), 5-10.
7. Tuyg'unovna, S. S. (2023). CHEMICAL COMPOSITION OF MEDICINAL PLANTS AND CLASSIFICATION. EUROPEAN JOURNAL OF MODERN MEDICINE AND PRACTICE, 3(11), 33-35.
8. .Ergasheva, G. (2023). METHODS TO PREVENT SIDE EFFECTS OF DIABETES MELLITUS IN SICK PATIENTS WITH TYPE 2 DIABETES. International Bulletin of Medical Sciences and Clinical Research, 3(10), 104-108.
9. Ergasheva, G. T. (2022). QANDLI DIABET BILAN KASALLANGANLARDA REABILITATSIYA MEZONLARINI TAKOMILASHTIRISH. TA'LIM VA RIVOJLANISH TAHLILI ONLAYN ILMIY JURNALI, 2(12), 335-337.
10. ГТ, Э., & Саидова, Л. Б. (2022). СОВЕРШЕНСТВОВАНИЕ РЕАБИЛИТАЦИОННО-ВОССТАНОВИТЕЛЬНЫХ КРИТЕРИЕВ БОЛЬНЫХ С СД-2 ТИПА. TA'LIM VA RIVOJLANISH TAHLILI ONLAYN ILMIY JURNALI, 2(12), 206-209.
11. Yomgirovna, R. G. (2023). AGROBIOLOGICAL PROPERTIES OF BENTONITE IN AGRICULTURE. TA'LIM VA RIVOJLANISH TAHLILI ONLAYN ILMIY JURNALI, 3(9), 126-130.
12. Rakhimovna, T. D., & Yomgirovna, R. G. (2023). AGROBIOLOGICAL PROPERTIES OF BENTONITE IN AGRICULTURE. Conferencea, 9-14.
13. Yomgirovna, R. G. (2023). AGROBIOLOGICAL PROPERTIES OF BENTONITE IN AGRICULTURE. Gospodarka i Innowacje., 40, 179-183.
14. .Yomgirovna, R. G. (2023). AGROBIOLOGICAL PROPERTIES OF BENTONITE IN AGRICULTURE. TA'LIM VA RIVOJLANISH TAHLILI ONLAYN ILMIY JURNALI, 3(9), 126-130.
15. Shukurova, S. (2023). KIYIKO'T VA YALPIZDAN FOYDALANISH USULLARI. Центральноеазиатский журнал образования и инноваций, 2(12), 171-177.
16. Boltayeva, S. (2023). PREPARATION OF EMULSIONS FROM OIL EXTRACTS AND EVALUATION OF QUALITY INDICATORS. B CENTRAL ASIAN JOURNAL OF EDUCATION AND INNOVATION (T.2 Выпуск 10, сс. 93-97).

17. Boltayeva Shahribonu Ahmad qizi. MEDICINAL PROPERTIES OF CLOVE PLANT AND MEDICINE PREPARATION METHODS. (2023) Laboratorium Wiedzy Artur Borcuch (182-185)
18. Boltayeva Shahribonu Ahmad qizi. Tirnoqgul o'simligining dorivorlik xususiyatlari va dori tayyorlash usullari. Analytical Journal of Education and Development. (14-17)
19. Boltayeva, S. (2023). PREPARATION OF EMULSIONS FROM OIL EXTRACTS AND EVALUATION OF QUALITY INDICATORS. Центральноеазиатский журнал образования и инноваций, 2(10 Part 3), 93-97.
20. Boltayeva, S. (2023). GIDROLIZLANGAN POLIAKRILONITRILNING EPIKLOKLORIDIN BILAN O'ZARO TA'SIRI JARAYONINI O'RGANISH, OLINGAN BIRIKMALARNING TUZILISHINI ANIQLASH. Центральноеазиатский журнал образования и инноваций, 2(11), 71-76.
21. Boltayeva, S. (2023). O'ZARO BOG'LANGAN POLIMERLAR ASOSIDA YANGI GIDROGELLAR SINTEZI, VA NATIJALARINI O'RGANISH. Центральноеазиатский журнал образования и инноваций, 2(12), 146-151.
22. Boltayeva, S. (2023). O'ZARO BOG'LANGAN POLIMERLAR ASOSIDA YANGI GIDROGELLAR SINTEZI, VA NATIJALARINI O'RGANISH. Центральноеазиатский журнал образования и инноваций, 2(12), 146-151.
23. Shaxnoza Baxadirovna, X. (2023). PROVERBS IN THE LEXICOGRAPHICAL ASPECT. International Journal of Formal Education, 2(12), 429-437. Retrieved from <http://journals.academiczone.net/index.php/ijfe/article/view/1771>
24. Xasanova, S. (2023). STRUCTURAL – SEMANTIC CHARACTERISTICS OF PROVERBS. Modern Science and Research, 2(12), 619-625. Retrieved from <https://inlibrary.uz/index.php/science-research/article/view/27109>
25. Xasanova, S., & murodova, D. (2023). REPRESENTATION OF THE SYSTEMIC RELATIONS OF RUSSIAN VOCABULARY IN PROVERBS AND SAYINGS. Modern Science and Research, 2(10), 276-280. Retrieved from <https://inlibrary.uz/index.php/science-research/article/view/24346>
26. Xasanova, S. (2023). USING EXPRESSIVE VOCABULARY IN RUSSIAN PROVERBS. Modern Science and Research, 2(10), 403-408. Retrieved from <https://inlibrary.uz/index.php/science-research/article/view/25248>
27. Баходировна, Х. Ш. (2023). Гендерная Лексика В Русском Языке. International Journal of Formal Education, 2(11), 324-331. Retrieved from <http://journals.academiczone.net/index.php/ijfe/article/view/1505>
28. Hasanova, S. (2023). SYSTEM RELATIONS IN THE RUSSIAN LANGUAGE VOCABULARY. Modern Science and Research, 2(9), 72-74. Retrieved from <https://inlibrary.uz/index.php/science-research/article/view/23900>
29. Хасанова, Ш. Б. (2023). РЕПРЕЗЕНТАЦИЯ СИСТЕМНЫХ ОТНОШЕНИЙ РУССКОЙ ЛЕКСИКИ В ПОСЛОВИЦАХ И ПОГОВОРКАХ. Finland International Scientific Journal of Education, Social Science & Humanities, 11(4), 1220-1226.
30. Olimjonovna, K. O. (2023). AYOLLARDA REPRODUKTIV TIZIM FAOLIYATINING O'ZGARISHIDA GIPOTERIOZ BILAN BIRGA KECISHI. Ta'lim innovatsiyasi va integratsiyasi, 10(3), 174-179.
31. Olimjonovna, K. O. (2024). HYPOTHYROIDISM AND REPRODUCTIVE DYSFUNCTION IN WOMEN. ОБРАЗОВАНИЕ НАУКА И ИННОВАЦИОННЫЕ ИДЕИ В МИРЕ, 36(5), 75-82.

33. Axmedova Malika Qilichovna. (2023). THE IMPACT OF SOCIOCULTURAL FACTORS ON THE PERVASIVENESS OF DENTAL CARIES AS A COMPLEX HEALTH CONDITION IN CONTEMPORARY SOCIETY. INTERNATIONAL BULLETIN OF MEDICAL SCIENCES AND CLINICAL RESEARCH, 3(9), 24-28.
34. Axmedova, M. (2023). USE OF COMPUTER TECHNOLOGY AT THE STAGES OF DIAGNOSIS AND PLANNING ORTHOPEDIC TREATMENT BASED ON ENDOSSEAL IMPLANTS. International Bulletin of Medical Sciences and Clinical Research, 3(11), 54-58.
35. Axmedova, M. (2023). TISH KARIESINING KENG TARQALISHIGA SABAB BO'LUVCHI OMILLAR. Центральноеазиатский журнал образования и инноваций, 2(12), 200-205.
36. Ахмедова, М. (2023). ИСПОЛЬЗОВАНИЕ КОМПЬЮТЕРНЫХ ТЕХНОЛОГИЙ НА ЭТАПАХ ДИАГНОСТИКИ И ПЛАНИРОВАНИЯ ОРТОПЕДИЧЕСКОГО ЛЕЧЕНИЯ НА ОСНОВЕ ЭНДОСАЛЬНЫХ ИМПЛАНТАТОВ. Центральноеазиатский журнал образования и инноваций, 2(11 Part 2), 167-173.
37. Qobilovna, A. M. (2023). PROGRAM FOR THE DEVELOPMENT OF FACTORS OF COMMUNICATIVE COMPETENCE OF PRIMARY SCHOOL TEACHERS. International Journal of Pedagogics, 3(11), 131-137.
38. Ataulayeva, M. (2023). COMMUNICATIVE COMPETENCE AS A FACTOR OF PERSONAL AND PROFESSIONAL DEVELOPMENT OF A FUTURE SPECIALIST. International Bulletin of Medical Sciences and Clinical Research, 3(10), 109-114.
39. Narzulaeva, U. (2023). PATHOGENETIC MECHANISMS OF MICROCIRCULATION DISORDERS. International Bulletin of Medical Sciences and Clinical Research, 3(10), 60-65.
40. Narzulaeva, U. R., & Bekkulova, M. A. (2023). Arterial gipertenziya etiologiyasida dislipidemiyaning xavf omili sifatidagi roli. Science and Education, 4(2), 415-419.
41. Atavullayeva Maxbuba Qobilovna. (2023). COMMUNICATIVE COMPETENCE AS A FACTOR OF TEACHER'S PROFESSIONAL COMPETENCY. American Journal Of Social Sciences And Humanity Research, 3(09), 32-44.
42. Rasulov, Z. I. (2023). COMPARATIVE STUDY OF LINGUISTIC PHENOMENA OF A NATIONAL-CULTURAL NATURE, REPRESENTING MYTHOLOGICAL LINGUISTIC UNITS IN ENGLISH AND UZBEK LANGUAGES. FORMATION OF PSYCHOLOGY AND PEDAGOGY AS INTERDISCIPLINARY SCIENCES, 2(20), 19-24.
43. Rasulov, Z. I. (2023). THE NOTION OF NON-EQUIVALENT WORDS AND REALIAS IN ENGLISH AND UZBEK LANGUAGES. Finland International Scientific Journal of Education, Social Science & Humanities, 11(6), 35-40.
44. Rasulov, Z. (2023). LISONIY TEJAMKORLIKNING AXBOROT IFODASIDAGI ORTIQCHALIKKA MUNOSABATI. ЦЕНТР НАУЧНЫХ ПУБЛИКАЦИЙ (buxdu.uz), 42(42).
45. Rasulov, Z., & Artikov, A. (2023, May). THE PRINCIPLE OF REDUNDANCY IN COMPOUND SENTENCES. In Integration Conference on Integration of Pragmalinguistics, Functional Translation Studies and Language Teaching Processes (pp. 1-4).
46. Obidovna, D. Z. (2022). GENDER DIFFERENTIATION OF MASCULINE AND FEMININE VERBALIZATION. European International Journal of Multidisciplinary Research and Management Studies, 2(05), 59-65.
47. Djalilova, Z. O. (2021). Studies on gender linguistics in the field of Uzbek language. Academic research in educational sciences, 2(3), 391-397.
48. Obidovna, D. Z., & Denis, S. (2021). Formulas of speech etiquette in a gender-

engineered communication strategy. Central asian journal of theoretical & applied sciences, 2(6), 5-11.

49. Obidovna, D. Z. (2021). Comparative Analysis Of Uzbek Men's And Women's Speech Through The Prism Of Gender Linguistics. Central Asian journal of literature, philosophy and culture, 2(2), 22-26.

50. Obidovna, D. Z. (2022). Speech Behavior and its Gender Specificity on the Basis of the Main English Language Variants. Middle European Scientific Bulletin, 22, 199-205.

51. Atavullayeva Maxbuba Qobilovna. (2023). COMMUNICATIVE COMPETENCE AS A FACTOR OF TEACHER'S PROFESSIONAL COMPETENCY. American Journal Of Social Sciences And Humanity Research, 3(09), 32-44.

52. Saidova, L. B., & Ergashev, G. T. (2022). Improvement of rehabilitation and rehabilitation criteria for patients with type 2 diabetes

53. Salokhiddinovna, X. Y. (2023). Clinical Features of the Course of Vitamin D Deficiency in Women of Reproductive Age. EUROPEAN JOURNAL OF INNOVATION IN NONFORMAL EDUCATION, 3(11), 28-31

54. Нарзулаева, У. Р., Самиева, Г. У., & Насирова, Ш. Ш. (2021). ИССИҚ ИҚЛИМДА КЕЧУВЧИ ГИПЕРТОНИЯ КАСАЛЛИГИНИНГ БОШЛАНҒИЧ БОСҚИЧЛАРИДА ГЕМОРЕОЛОГИК БУЗИЛИШЛАР. ЖУРНАЛ БИОМЕДИЦИНЫ И ПРАКТИКИ, 6(1).

INNOVATIVE
ACADEMY