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Milliy Pedagogika
Universiteti



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- 13.00.00 Pedagogika fanlari
- 13.00.01 Pedagogika nazariyasi. Pedagogik ta'limotlar tarixi
- 13.00.02 Ta'lim va tarbiya nazariyasi va metodikasi (sohalar bo'yicha)
- 13.00.03 Maxsus pedagogika
- 13.00.04 Jismoniy tarbiya va sport mashg'ulotlari nazariyasi va metodikasi
- 13.00.05 Kasb-hunar ta'limi nazariyasi va metodikasi
- 13.00.06 Elektron ta'lim nazariyasi va metodikasi (ta'lim sohaları va bosqichlari bo'yicha)
- 13.00.07 Ta'limda menejment
- 13.00.08 Maktabgacha ta'lim va tarbiya nazariyasi va metodikasi
- 13.00.09 Ijtimoiy pedagogika
- 07.00.00 Tarix fanlari
- 19.00.00 Psixologiya fanlari
- 01.00.00 Fizika-matematika fanlari
- 02.00.00 Kimyo fanlari
- 03.00.00 Biologiya fanlari
- 09.00.00 Falsafa fanlari
- 10.00.00 Filologiya fanlari
- 11.00.00 Geografiya fanlari

M

AKTABGACHA VA AKTAB TA'LIMI

Pedagogika, psixologiya fanlariga ixtisoslashgan ilmiy jurnal



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MUNDARIJA

Yangi O'zbekiston sharoitida ayollar ijtimoiy faolligini oshirishda psixologik motivatsiya va o'z-o'zini rivojlantirish strategiyalari	26
Xuseynova Abira Amanovna	
Pragmalinguodidactic Principles in Teaching English for Philologist Students and their Application in Intercultural Communication.....	31
Arzieva Bibi-Sanem Aynazarovna	
Metakognitiv ko'nikmalarni rivojlantirishga qaratilgan biologiya o'quv materiallarini loyihalash, joriy etish va samaradorligini baholash.....	35
Abdurasulova Gulrux Habibullayevna	
Oligofreniya holatida neyropsixologik tashxislar qo'llanilishining umumiy masalalari	40
Akramov Dostonbek Ikromjon o'g'li, Xojaliyeva Sarvinoz Elyorjon qizi	
Oliy ta'lim muassasalari talabalarida kreativ kompetensiyani rivojlantirish pedagogik muammo sifatida ...	44
Asatova Dildora Aslamovna	
Ingliz tili o'qish ko'nikmalarini takomillashtirishda autentik manbalarning roli.....	49
Bekmuratova Nargiza Arislanbayevna	
Insuldan keyingi nutqni tiklashda logopedik reabilitatsiya va nevrologik muolajalar integratsiyasi	52
Boltaboyeva Xurshida Sharofiddinovna	
The Concept of Symbols in Linguoculturology	56
Hamraqulova Gulandom Sodiq qizi	
Buyuk ipak yo'li xalqlari o'rtasidagi pedagogik va madaniy aloqalarning vujudga kelishi.....	59
Mirxalilova Nargiza Akbarovna	
Bo'lajak tarbiyachilarni bolalarni nutqini o'stirishga bo'lgan kasbiy-pedagogik tayyorgarligini o'stirish	63
Mitaliboyeva Dildora	
Koxlear implantli bolalarning eshituv–nutqiy faolligini oshirishda differensial yondashuv asosida korreksion-pedagogik ish	66
Nartayeva Shahoza Yulchibayevna	
Fasilitatsion yondashuv asosida kichik maktabgacha yoshdagi bolalarda adaptiv ko'nikmalarni rivojlantirishning psixologik-pedagogik mexanizmlari.....	71
Normatova Nilufar Komilovna	
Boshlang'ich sinflarda disgrafiyasi bo'lgan o'quvchilarda yozish kompetensiyalarini shakllantirishning ilmiy-nazariy asoslari (XIX–XXI asrlarda).....	76
Qaxxorova Saidaxon, Mamarajabova Zulfiya	
Raqamli texnologiyalar va onlayn platformalar orqali olimpiya ta'limini rivojlantirish: yoshlar orasida axloqiy va jismoniy madaniyatni oshirish	80
Qodirov Jurabek Mamatsimonovich	
Boshlang'ich sinf o'quvchilarida sun'iy intellekt bilim va savodxonligini rivojlantiradigan innovatsion jismoniy-interaktiv o'yinlar: pedagogik model.....	83
Quvonova Nodirabegim Shavkat qizi	
“Sab' ai sayyor” asarida qo'llangan onomastik birliklar haqida mulohazalar	87
Gadayev Oybek Yaxshiboyevich, Ravshanova Sharbatoy Rahmatilla qizi	
Ijtimoiy tarmoq shifokorlarining masofaviy konsultatsiyalari shaxs psixikasi va salomatligiga ta'siri	91
Askarova Nargiza Abdivaliyevna, Ravshanova Zarnigor Daminovna	
Talabalar ilmiy dunyoqarashini rivojlantirishda innovatsion ta'lim texnologiyalari va interfaol metodlardan foydalanish.....	95
Satvoldiyev Faxriddin Akbarali o'g'li	
Innovatsion ta'lim texnologiyalari orqali pedagoglarning kreativligini rivojlantirish	99
Saydullayeva Gulasal Umidjon qizi	
Maktabgacha yoshdagi bolalar motorikasini rivojlantirishning standart modeli	102
Sirojiddinova Xamidaxon Xasanboy qizi	
Bo'lajak o'qituvchilarning shaxslararo munosabat kompetensiyasini rivojlantirishning pedagogik shart-sharoitlari	106
Turg'unova Gulnoza Muhammadjonovna, Xodjiyeva Mahliyo	



Shaxsdagi mehnat motivatsiyasi samaradorligini ta'minlashga xizmat qiluvchi korrelyatsion bog'liqliklar tahlili	109
Xusanov Samariddin Maxmadaminovich	
Auditoriyadan tashqari musiqiy mashg'ulotlarni art-terapiya yordamida tashkil etish asoslari	112
Yarashev Jo'rabek To'rayevich	
Формирование творческого мышления школьников на уроках музыки	117
Габдульманова Ильнура Минисламовна	
Теоретико-методологические основы коллаборативного обучения, кооперативных подходов и интерактивных педагогических методов	119
Жураева Мафтуна Бахтиёр кизи	
Педагогическое колесо как инструмент формирования цифровой компетентности будущих педагогов дошкольного образования.....	124
Уразова М. Б., Усманова У. Б.	
Особенности гражданского воспитания обучающихся в системе “школа–махалла” в Узбекистане ..	130
Хайдаров Шавкат Шамсиддин угли	
Педагогические условия формирования языковой грамотности у учащихся с тяжелыми нарушениями речи.....	135
Юсупова Зулайхо Бахром кизи	
Valeologik tarbiyada o'yin texnologiyalarining ahamiyati.....	139
Berkinova Charos Islomovna	
O'quvchilarda faol fuqarolik kompetensiyasi tushunchasi, mazmuni va shakllanishi	142
Buvorayeva Gulruh Shoikrom qizi	
Boshlang'ich ta'limda STEAM yondashuvi asosida o'qitishning didaktik imkoniyatlari	145
Cho'tboyeva Munisxon Eshpo'lat qizi	
Tabiatga muhabbat: maktabgacha ta'limda milliy qadriyatlar va o'yinlar orqali ekologik tarbiya	150
Ergasheva Umriniso Komilovna	
Zamonaviy ta'lim – talabalar ijtimoiy intellektini shakllantirish omilidir.....	153
Ermatova Gulnoz Pirimovna	
O'zbekistonning eng yangi tarixi fanini o'qitishda pedagogik texnologiyaning o'rni	156
Gazibekova Feruza Hakimovna	
Boshlang'ich sinf o'quvchilarining raqamli texnologiyalar muhitida tanqidiy va mustaqil fikrlashini rivojlantirish metodikasi	159
Haydarova Feruza Haydar qizi	
Talabalarda ma'naviy-axloqiy fazilatlar va sifatlarni shakllantirish mexanizmi.....	162
Jumanazarova Dilnoza Umurzaqovna	
Maktabgacha yoshdagi bolalarning kasbga bo'lgan qiziqishlarini shakllantirishda interfaol metodlarni qo'llash texnologiyasi.....	165
Jumayeva Malika Aliyevna	
Bo'lajak boshlang'ich sinf o'qituvchilarda kasbiy-nutq madaniyatini rivojlantirish.....	168
Lutfetdinova Ra'no Xusnetdinovna	
Maktabgacha yoshdagi bolalarda matematik rivojlanishga zamonaviy yondashuvlar va jahon tajribalari ..	172
Masharipova Barno Erkin qizi, Adilbayeva Dilnoza Adilbay qizi	
Boshlang'ich sinf o'quvchilarida til o'yinlari texnologiyalarining nazariy asoslari.....	175
Masharipova Dilfuza Muxammatjon qizi	
Maktabgacha ta'lim tarbiyachisi pedagogik faoliyatining o'ziga xosligi	178
Muhammadiyeva Feruza Turakulovna	
Boshlang'ich sinf o'quvchilarini og'zaki va yozma nutqini rivojlantirishda aksiologik yondashuvdan foydalanish metodikasi.....	181
Muhiddinova Munira Xayrullayevna	
Boshlang'ich ta'lim jarayonida matematika fanini o'qitishda raqamli transformatsiya vositalaridan foydalanishning metodik paradigmasi	184
Narzullayeva Sevara Omonovna	
O'qituvchining muloqot madaniyatini shakllantirishning pedagogik-psixologik xususiyatlari	187
Nizamova Nodira Paxritdinovna	
Integrativ yondashuv asosida o'quvchilarning nutqiy kompetentligini rivojlantirishning mazmuniy izohlanishi	191
Oysha Qurbonova, Nodira Abduraimova	
Boshlang'ich ta'limda Finlandiya tajribasi	195
Nodira Sherboyeva	

MUNDARIJA СОДЕРЖАНИЕ CONTENTS	Kutubxonachi kutubxona-axborot xizmati jarayonining yetakchi ishtirokchisi sifatida 198 O'ktam Nosirov
	Pedagogik ta'lim transformatsiyasida talabalarning tadqiqotchilik kompetensiyalarini rivojlantirish texnologiyasi..... 204 Rustamova Shoxista Omonjonovna
	Globallashuv sharoitida axborot-psixologik xavfsizlikni shakllantirish masalalari..... 208 Raxmatjonov Shoxjahon Dilshodbek o'g'li
	Talabalarga ingliz tilini o'qitishning zamonaviy innovatsion texnologiyalari 212 Sa'dullayeva Rushana
	Boshlang'ich sinf matematika darslarida o'quvchilarning mantiqiy fikrlash qobiliyatini rivojlantirish 215 Saidova Dilbar Erkinovna
	Pedagog xodimlarda tolerantlik namoyon bo'lishining determinantlari..... 218 Sattorova Maxliyo Dilmurod qizi
	Kreativ metodlar orqali maktabgacha yoshdagi bolalarda kreativ tafakkur va fikrlashni rivojlantirish 223 Sultonboyeva Baxriniso Ilhomjon qizi
	Artpedagogika texnologiyalaridan foydalanib maktabgacha yoshdagi bolalarda dialogik nutqni rivojlantirish metodikasi 226 Xolmatova Fotima Baxtiyor qizi
	Boshlang'ich ta'limda yashil kompetensiyalarni shakllantirish yo'nalishlari..... 229 Yaqubova Shoira Tog'aymuratovna
	Emotsional intellektni rivojlantirishning nazariy asoslari..... 233 Yarmatov Raxmboy Baxramovich
	Boshlang'ich ta'limda o'quv veb-saytlari orqali til kompetentligini rivojlantirish 239 Zokirova Sohiba Muxtoraliyevna, Muxammadjonova Diyorabonu Muzaffarjon qizi
	Языковые изменения в русском языке XXI века: исследование новых слов, сленга, интернет-коммуникации, влияния англицизмов и глобализации на современный русский язык 242 Марупова Дилфуза Давроновна
	Oliy ta'limda talabalarning ilmiy-tadqiqot faoliyatining maqsad va vazifalari 247 F. R. Xosilova
	Boshlang'ich ta'lim texnologiya darslarida o'quvchilarni tabiiy materiallar bilan ishlashga o'rgatish 251 Kambarov Nodirjon Sattarovich, Nasirjanova Feruzaxon Alixon qizi
	Boshlang'ich ta'limda STEAM yondashuvining qo'llanilishi va uning samaradorligi..... 256 Abdulazizova Yulduz Abdujabbor qizi
	Tabiiy fanlarni o'qitishda STEAM yondashuvi asosida kreativlikni rivojlantirish metodikasi 259 Abdullayeva Dilrabo Fayzulla qizi
	Umumta'lim maktablarida o'quvchilarda shaxs ma'naviy qiyofasini shakllantirishning zamonaviy pedagogik texnologiyalari..... 262 Aliyeva Zuxra Tursunboyevna
	Yosh avlodni madaniy-tarixiy yondashuv asosida tarbiyalashda madaniy-ma'rifiy muassasalarning o'rni.. 265 Aripov Shokirjon Olimovich
	Ta'limda yangi texnologiya: 4K modeli va uni amalga oshirish yo'llari..... 268 Avliyoqulova Nasiba Choriyevna
	Badiiy-tarixiy materiallarni ta'lim jarayoniga integratsiyalashning metodologik asoslari..... 272 Baratov Baxtiyorjon Qodirovich
	Bolaning maktabgacha ta'lim tashkilotiga moslashishida o'yinning roli..... 275 Barno Masharipova Erkin qizi, Zuhrobova Mahliyo Abdulatif qizi
	Boshlang'ich sinf o'qish savodxonligi darslarida integrativ yondoshuvdan foydalanish texnologiyasi 278 Ernazarova Laylo Abdusaitovna, Saidahmadova Gulrux Farrux qizi
	Bo'lajak tarbiyachilarda metarefleksiv fikrlashni rivojlantirishning psixologik-pedagogik asoslari 284 Ismailova Nilufar Isroildjanovna
	Semantic and Cross-Cultural Features of Food-Based Idioms in Karakalpak and English Languages..... 289 Jiemuratova Gulistan Koshkinbaevna
	Filolog talabalarida mustaqil fikrlash va qaror qabul qilishni rivojlantirishda metakognitiv yondashuvlarning didaktik mexanizmlari..... 292 Jo'rayeva Dilnoza Ro'zimat qizi
	Rivojlantiruvchi sohalar kompetensiyalariga integratsion yondashuv asosida maktabgacha yoshdagi bolalarni ma'naviy-axloqiy tarbiyalash texnologiyasini rivojlantirish 296 Jo'rayeva Zilola Sayfiddin qizi



Psixologlar kasbiy komponentlarini rivojlantirishda matematik usullardan foydalanishning o'ziga xos xususiyatlari.....	302
Kuziyeva Dilnura Dilmurotovna	
O'zbekiston metodik maktabida sotsiolingvistik kompetensiyani shakllantirish bo'yicha olib borilgan ilmiy tadqiqotlar tahlili	306
Madaminova Gulzira Gulamkadirovna	
Maxsus pedagogika fanlarini o'qitishning nazariy-metodik asoslari	313
Maqsudova Nodira Alijonovna	
Maktabgacha yoshdagi bolalarda metakognitiv ko'nikmalarni rivojlantirishda ertakterapiya texnologiyalaridan foydalanish metodikasi	317
Muxiddinova Dilfuza Sherdor qizi	
Nutq madaniyatini shakllantirishda o'qituvchi nutqining roli.....	320
N. Q. Olimova	
Boshlang'ich ta'lim jarayonida matematika fanini o'qitishda raqamli transformatsiya vositalaridan foydalanishning metodik paradigmasi	323
Narzullayeva Sevara Omonovna	
O'quvchilarda ekologik madaniyatni shakllantirish metodikasi	326
Normirzayeva Maftunaxon Ilyosjon qizi	
Boshlang'ich sinf o'quvchilarida tadqiqot faoliyatini rivojlantirishda intensiv ta'lim texnologiyalarining metodik asoslari.....	329
Oloqulova Farzona Umedillayevna	
Maktabgacha ta'lim yoshidagi giperaktiv bolalar bilan ishlashda pedagogik kompetentligini oshirish metodikasi.....	332
Raimqulova Sojida Abdusaid qizi	
Talabalarning tadqiqotchilik kompetensiyalarini shakllantirishning nazariy asoslari	335
Rustamova Shoxista Omonjonovna	
Inklyuziv ta'limni tashkil etishning xorijiy pedagogik amaliyotdagi modellari	339
Sultonova Zarina Uchqun qizi	
Xalq pedagogikasida ertaklarning tarbiyaviy va ma'naviy-ma'rifiy ahamiyati: ma'naviy begonalashuvga qarshi tarbiyaviy omil sifatida.....	343
To'xtasinova Farida Davlatali qizi	
B1 darajadagi talabalar uchun xorijiy tilni o'qitishda audiovizual texnologiyalar yordamida ta'lim samaradorligini oshirishning metodik asoslari	347
Toshpulatova Shaxsanam Xolmurodovna	
Kontekstli ta'lim va uning boshlang'ich ta'lim matematikasidagi ahamiyati haqida	350
Umarova Nigora Alisherovna	
Oiladagi psixologik muhitning o'spirinlarda to'liqsizlik kompleksi shakllanishiga ta'siri	353
Xalmuratova Dilorom Abdikarimovna	
Ta'limda faktcheking: misinformatsiya va dizinformatsiyaga qarshi kurashishning pedagogik asoslari	356
Xidirova Maftuna Ithom qizi	
Maktab o'quvchilarini falsafiy va dunyoqarashga tayyorlash omillari	362
Xo'shboqova Farida Komiljon qizi	
Boshlang'ich sinf o'quvchilarida nutq faoliyatini rivojlantirishning lingokognitiv asoslari	370
Xusanova Gulruxsor To'lqin qizi, Aliyeva Muhlis Baxodir qizi	
Boshlang'ich sinf o'quvchilarining nutqiy kompetensiyasini oshirish	374
Zokirova Sohobaxon Muxtaraliyevna, Erkinova Nazokatxon Anvarjon qizi	
Эффективность занятий кроссфитом в повышении уровня общей физической подготовленности слушателей института повышения квалификации МВД Республики Узбекистан	377
Албеков Шокир Адилбекович	
Роль торговых и кочевых маршрутов в формировании лингвокультурных заимствований между Хорезмом и Южной Сибирью.....	381
Сатымова Светлана Сатымовна	
Использование искусственного интеллекта в обучении русскому языку как иностранному: проблемы и решения.....	385
Ташева Дилором Салимовна	
Проблемы использования коммуникативного метода в преподавании русского языка студентам	389
Тоджибоева Наргиза Джумабоевна	

Maktab–oila–mahalla hamkorligining qizlar ijtimoiy faolligini oshirishga ta'siri	393
<i>Abdurazoqova Marg'uba Muxammad qizi</i>	
Ta'lim tizimida musiqiy madaniyatni takomillashtirishning metodologik imkoniyatlari.....	397
<i>Asqarova Xurshida A'zamjon qizi</i>	
Maktab biologiya kursini o'qitishda dars va darsdan tashqari mashg'ulotlarning o'zaro bog'liqligi asosida metodologik savodxonlikni shakllantirish.....	404
<i>Azimov Bekjon Ibrohimjon o'g'li</i>	
Oliy ta'lim tizimida iqtidorli talabalar bilan ishlash samaradorligini ta'minlash usullari.....	407
<i>Delov To'liqin Erkinovich</i>	
Boshlang'ich sinf o'quvchilarni badiiy asarlarni janriy xususiyatlariga ko'ra izohli o'qishga o'rgatish	410
<i>Gulmira Abdullayeva</i>	
O'zbekiston bokschilarining dunyo reytingida yetakchi o'rinlarni egallashining asosiy omillari	413
<i>Insapov Ismoil Tuychaliyevich</i>	
Improving Learners' Engagement Through Game-Based Techniques in Language Education	416
<i>Ismailova Ma'rifat Bakhrambek kizi</i>	
STEAM yondashuvi boshlang'ich ta'limda ijodiy fikrlashni rivojlantirishning zamonaviy kaliti sifatida	421
<i>Jo'rayeva Nasiba Komil qizi</i>	
O'quvchilarni milliy qadriyatlar asosida tarbiyalashning ijtimoiylashuvi	426
<i>Jo'rayeva Sayyora Vahobjon qizi</i>	
O'smirlarda xarakter aksentuatsiyasining o'ziga bo'lgan ishonch rivojlanishiga ta'sirining psixologik xususiyatlari	429
<i>Jurayev Xaydarjon Odilboyevich</i>	
O'spirinlarda agressiv xulqqa ta'sir qiluvchi omillar	433
<i>Konratbayeva Ayjamal Bazarbayevna</i>	
Rus va o'zbek tillarida chorvachilik terminlarining qiyosiy tahlili.....	436
<i>Kurbanova Guzal Abduraximovna</i>	
Texnologiya darslarida murakkab mexanizmlarni o'qitishning zamonaviy usullari	441
<i>Mamadaliyev Furqat Xolmamatovich</i>	
Umumta'lim maktab o'qituvchilarining sun'iy intellekt texnologiyalaridan foydalanish madaniyatini shakllantirish usullari	446
<i>Mamatova Fazilat Ixtiyorovna, Xolmirzayeva Zebo Ravshan qizi</i>	
Nutqda badiiy tasviriy vositalardan foydalanish yo'llari.....	450
<i>Murodova Farangis G'anisherovna</i>	
Kichik yoshdagi o'quvchilarning yozma savodxonligini oshirish yo'llari.....	454
<i>N. Abduvaliyeva, M. Odinajonova</i>	
Kichik maktab yoshidagi nutqida nuqsoni bo'lgan bolalar shaxslararo munosabatini korreksiyalashda ertak terapiyasidan foydalanish	458
<i>Nig'matova Nodirabegim Lutfillo qizi</i>	
Boshlang'ich sinf matematika darslarida o'quvchilarning mantiqiy fikrlash qobiliyatini rivojlantirish	463
<i>O'rinova Ro'zigul Jumanazar qizi</i>	
Voleybol o'yinida blok qo'yish texnikasini o'rgatishda yangi pedagogik yondashuvlar	467
<i>Qambarov Kozimjon</i>	
Texnik yo'nalishda tahsil olayotgan talabalarga ingliz tilini o'qitishning yangi texnologiyalari	472
<i>Babayeva Gulnozaxon Latibjonovna</i>	
Maktabgacha ta'lim sifatini oshirishda pedagog malakasining roli	481
<i>Davlatova Dildora Nuriddinovna</i>	
Talabalarda sog'lom turmush tarzini rivojlantirishning pedagogik tamoyillari	485
<i>Davronov Nurzod Ismoilovich</i>	
Eshitishda nuqsoni bo'lgan bolalar: toifalari va tasniflash mezonlari	490
<i>Djurayeva Sohiba Barat qizi</i>	
Blum taksonomiyasiga asoslanib boshlang'ich sinf o'quvchilarining og'zaki va yozma nutqini rivojlantirish usullari.....	495
<i>Husenova Aziza Sharipovna</i>	
Tabiiy fan darslari jarayonida o'quvchilarda loyihaviy ishlarni tashkil etish ko'nikmasini shakllantirish	498
<i>Matniyazova Diyora Jumanazarovna</i>	
Boshlang'ich ta'limni modernizatsiya qilishning asosiy yo'nalishlari: innovatsion taraqqiyot, metodik yangiliklar va istiqbollari	501
<i>Nazarova Mohigul Akmalovna, Asatova Mashhura Asomiddin qizi</i>	



Kasbiy pedagogikani shakllantirish va rivojlantirish masalalari	506
<i>Sanaqulov Xamroqul Rizaqulovich</i>	
O'qituvchining shaxsiy fazilatlari va suggestiv kompetentligining o'zaro bog'liqligi	513
<i>Shermatova Manzura Ikromjanovna</i>	
Tez qalamchizgilarda innovatsion texnologiyalarni qo'llash tajribasi	518
<i>Suyunov Navro'z Alisher o'g'li</i>	
Kognitiv tilshunoslik asosida boshlang'ich sinf o'quvchilarining nutqini rivojlantirish	523
<i>Teshabiyev Dilmurod Raxmadjonovich, Madazimova Muxlisa Abdurashid qizi</i>	
Kombinatorik masalalar asosida ijodiy topshiriqlarni tuzish va ularning o'quvchilarga ta'siri	526
<i>Toshboyeva Saida Rahmonberdiyevna, Yusupova Latofat Abduqodir qizi</i>	
Linguodidactic Foundations for Enhancing Professional Competence in Practice-Oriented Language Education	530
<i>Uktamova Navruza Botir qizi</i>	
Audiovizual usul qo'llanilganda o'quvchilarning til ko'nikmalaridagi o'zgarishlarni baholash	535
<i>Umarov Aziz Avazovich</i>	
Ona tili – ART texnologiya va kreativlik fanida so'z san'atining omili sifatida	540
<i>X. Sanaqulov, Sh. Nurmatova</i>	
Etnopedagogik yondashuvning boshlang'ich sinf o'quvchilarida ijtimoiylashuv jarayoniga ta'siri	543
<i>Xamroqulova Xilola Qosimjon qizi</i>	
Ajdodlarimiz o'g'itlari asosida o'quvchi-yoshlarda axloqiy sifatlarni shakllantirish texnologiyasi	547
<i>Xatamova Nilufar Xaydarovna</i>	
Boshlang'ich sinf o'quvchilarida kreativ o'qish madaniyatini rivojlantirishda generativ sun'iy intellekt texnologiyalarining didaktik imkoniyatlari	550
<i>Xayitova Firuza Abdullayevna</i>	
Rivojlangan mamlakatlarda maktabgacha ta'limning mazmuni va tarixiy taraqqiyoti	554
<i>Yoziyeva Umida Lutfullayevna</i>	
O'quv vaziyatlarini loyihalash orqali talabalar o'quv faolligini oshirish	558
<i>Zakirova Dilfuza Sayidolimovna</i>	
O'quvchilar orasida jismoniy faollikni oshirish uchun yangi ilmiy yondashuvlar	561
<i>Zaynobidinov Dilshodbek Qobilovich</i>	
Активные методы обучения как коммуникационная основа современного урока	566
<i>Ахмедова Мукаддас Ходиматовна</i>	
Инклюзия как путь к равным возможностям: развитие системы образования Узбекистана	570
<i>Баротова Шохсанам Бахтиёр кизи, Мауш Ребия Джамshedовна, Мурадова Дилфуза Махмудовна</i>	
“Qurilish konstruksiyalari” fanini o'qitishda kasbiy-amaliy kompetentlikni rivojlantirish	576
<i>No'manova Soxiba Ergashboyevna</i>	
Креативный педагогический подход в музыкально-теоретических и практических занятиях по искусству макома	582
<i>Нурматова Фируза Муминовна</i>	
Система упражнений по методике обучения средствам речевой выразительности узбекского языка	587
<i>Фаттахова Д. А.</i>	
Oliy ta'limda kompetensiyaga asoslangan o'qitish modellari	592
<i>Ernazarov Alisher Ergashevich, Chinqulova Gulmehra</i>	
The Concept of Symbols in Linguoculturology	598
<i>Hamraqulova Gulandom Sodiq qizi</i>	
Raqamli o'yinlarga (mobile games) qaramlikning kognitiv samaradorlikka salbiy ta'siri	601
<i>Turamov Muhammadzohid Rustamjon o'g'li</i>	
OTM talabalarini vatanparvarlik ruhida tarbiyalash asosida ilmiy tadqiqot ishlariga yo'naltirishning zamonaviy metodlari	605
<i>Sobirov Zahriddin Sadriddinovich</i>	
Boshlang'ich sinflarda o'quvchilarda kiriyativlikni rivojlantirish	609
<i>Qo'chqarov Mirzavali Qo'zibayevich</i>	
Maktabgacha ta'lim muassasalari tarbiyalanuvchilarining axloqiy tarbiyasini shakllantirish	613
<i>Yaqubova Dinora Bahodirovna</i>	
Zamonaviy ta'lim tizimida AR (Augmented Reality) texnologiyalarining qo'llanilishi	617
<i>Abdumo'minov Burxonjon Sunnatillo o'g'li</i>	

MUNDARIJA СОДЕРЖАНИЕ CONTENTS	The Role of Psychological Support in the Formation of Students' Socio-Emotional Competence in Preschool Education 622 <i>Kamol'dinova Diyora Jaloliddin qizi</i>	622
	Raqamli ta'lim muhitida o'quvchilarning mantiqiy tafakkurini rivojlantirish metodikasi 626 <i>Xudoynazarova Moxira Xakimovna</i>	626
	Zamonaviy ta'lim jarayonida talabalarda tanqidiy fikrlash qobiliyatini metodlar orqali rivojlantirish 629 <i>Ro'zmetov Ravshan Sharipbayevich</i>	629
	Bo'lajak tarbiyachilarda muloqot madaniyatini tarbiyalash 633 <i>Uljayeva Sevara Abdirazzoqovna</i>	633
	Kompetensiyaviy yondashuvga asoslangan zamonaviy darsliklar tuzilishi va mazmuni 638 <i>Po'latova Marjona Inomjon qizi</i>	638
	STEAM ta'lim texnologiyasini maktabgacha ta'limida qo'llash bo'yicha xorijiy tajribalar 643 <i>Saidova Nigora Olimovna, Pirmatova Zaynabxon Elmurod qizi</i>	643
	Raqamli texnologiyalar vositasida bo'lajak tarbiyachilarning pedagogik muloqot madaniyatini rivojlantirish 646 <i>Ergasheva Sunbula Baxtiyor qizi</i>	646
	O'quvchilarda ijtimoiy tarmoqlarga qaramlikning shakllanishi va uning dolzarb muammolari 650 <i>Gaparova Mastona Safaraliyevna</i>	650
	Adabiyot darslarini o'qitishda 5E modelidan foydalanish 654 <i>Abdiraupova Zarnigor Abdinabi qizi</i>	654
	Oliy ta'limda kompetensiyaga asoslangan o'qitish modellari 657 <i>Ernazarov Alisher Ergashovich, Chinqulova Gulmehra</i>	657
	Traditional Techniques and Modern Approaches in the Production of National Costumes 665 <i>Jabborova Dilshoda Xolmamat qizi</i>	665
	Pedagogik platformalar va kognitiv-didaktik yondashuvlar integratsiyasi yordamida talabalarning kasbiy tayyorgarlik tizimini yangi bosqichga olib chiqish 668 <i>Raxmonov Omadjon Mamasidiq o'g'li</i>	668
	Aqli zaif o'quvchilarda disgrafiyani bartaraf etishda assistiv texnologiyalarning ahamiyati 672 <i>Usmonov Umid Allayorivich</i>	672
	Boshlang'ich sinf o'quvchilarida tayanch hayotiy kompetensiyalarni shakllantirish 676 <i>Adizova Nigora Baxtiyorovna, Akbarova Sarvinoz Sadriddinovna</i>	676
	Tadqiqotchilik kompetentligi pedagogik muammo sifatida 681 <i>Ergashev Nozim Nabiyevich</i>	681
	Teaching Reading to Young Learners: Essential Principles for Primary School Teachers 684 <i>Toshtanova Maftuna Xamidjon qizi</i>	684
	Tarmoq qurilmalari va tizimlarini boshqarish modulini o'qitish orqali o'quvchilarni kasbiy faoliyatga tayyorlash 687 <i>Karimova Charos Abduhalim qizi</i>	687
	Maktabgacha yoshdagi bolalarda og'zaki nutq rivojlanishining psixolingvistik asoslari 691 <i>Musayeva Nafisa Kudratovna, Muxammadova Saodat Muzaffar qizi</i>	691
	"Kasbiy ma'naviyat" fani bo'lajak pedagoglarda ma'naviy-axloqiy kompetensiyalarni intensiv rivojlantirish omili 695 <i>Ismoilov Yoqubjon Quchqarboyevich</i>	695
	Yapon tilini o'rgatishda talabalarning gapirish ko'nikmasini rivojlantirish: tamoyillar, bosqichlar va innovatsion usullar 699 <i>Baqoyev Navro'zjon Abdullo o'g'li</i>	699
Texnologik ta'lim jarayonida ixtirochilik va loyihalashtirish kompetensiyalarini rivojlantirishning pedagogik asoslari 705 <i>Zokirova Nargiza Akbarjonovna</i>	705	
Bo'lajak pedagoglarda kasbiy kompetentlikni shakllantirishning psixologik asoslari 710 <i>Eshnazarova Farida Jo'raqulovna</i>	710	
Ta'lim islohotlari sharoitida genderni yo'naltirilgan ta'limni tashkil etishning o'ziga xos xususiyatlari 714 <i>Yaxyayeva Sojida Abduraximovna</i>	714	
Ko'rsatish olmoshlarining vazifaviy uslublarda qo'llanilishi 718 <i>Berdiyeva Malika</i>	718	
Nazorat turlari orqali o'quvchilarning savodxonlik kompensatsiyasini shakllantirish 721 <i>Xoldarova Irodaxon Valijonovna, Jo'rayeva Shodiya Kenjaali qizi</i>	721	



Zamonaviy boshlang'ich ta'limni modernizatsiya qilish sharoitida o'quvchilarda lug'atlar bilan ishlash kompetensiyalarini rivojlantirish metodikasi	726
Buvajonova Mohiraxon Usmonali qizi	
Boshlang'ich ta'limni modernizatsiya qilishning asosiy yo'nalishlari: innovatsion taraqqiyot, metodik yangiliklar va istiqbollari	731
Nazarova Mohigul Akmalovna	
Maktab va pedagogika institutlari o'rtasida amaliyotga yo'naltirilgan dual ta'lim modelini takomillashtirish: muammolar va yechimlar	736
Arabova Muxiba Bazarovna	
Помощь советского государства в подготовке кадров для арабских государств	740
Хомидова Камола	
Место Узбекистана в развитии культурной сферы Советского союза во второй половине XX века ..	744
Бекназаров Собиржон	
Toshkent xalqaro kinofestivallarining Arab davlatlari va Afrika mamlakatlari kinosan'atida tutgan o'rni	748
Sharifov Shoxjaxon To'liqinjon o'g'li	
Ekonometrika fanini o'qitishda sun'iy intellekt texnologiyalaridan foydalanishning nazariy asoslari va istiqbollari	752
Bobonorova Qundizxon Quralbay qizi	
O'quvchi faolligini oshirishda jadid maktablari tajribasi va faol ta'lim metodlarining integrativ qo'llanilishi ..	759
Bobonazarov Orif Abrayqulovich	
Влияние гендерной лингвистики на развитие психолингвистических исследований в Узбекистане ..	764
Мусаева Елена Казимовна	
Psixik rivojlanishni tashxislashda psixofiziologik usullardan foydalanish samaradorligi	767
Sh. L. Rahmonova	
Boshlang'ich sinf matematika darslarida o'quvchilarning mantiqiy fikrlash qobiliyatini rivojlantirish	770
Saidova Dilbar Erkinovna	
Ingliz tili o'qitishda integrativ (CLIL) texnologiyasining boshlang'ich sinf o'quvchilari uchun mos modellarini ishlab chiqish	773
Xakimova Xosiyat Jurayevna	
Rivojlangan mamlakatlar ta'lim tizimida talabalarni kasbiy faoliyatga tayyorlashda sun'iy intellektdan foydalanish usullari	776
Mirzayeva Faroxat Odiljonovna, Odiljonova Shoxsanam Abdug'appon qizi	
Boshlang'ich sinf o'quvchilarida jismoniy sifatlarni rivojlantirishda innovatsion o'yin metodlarining ahamiyati	785
Ikromov Ilxom Muxamadrasimovich	
Tabiat tasvirining adabiy janrlarga ko'ra o'ziga xosliklari	790
Fozilova Mohigul Farxodovna	
Методические подходы к развитию прагматической компетентности старшеклассников на основе чтения аутентичных материалов	794
Исаматдинова Машхура Икромжон кизи	
O'zbek tilida "zahar" konseptining leksik-semantik va pragmatik xususiyatlari	799
Shokirov Sherhali Ibrohimovich, Baxramov Xabibillo Sadikovich	
Integrativ modulli o'qitish tizimi samaradorligining miqdoriy va sifat tahlili	803
Nurmanova Nazira	
Sog'lom turmush tarzi ko'nikmalarini shakllantirishda STEAM ta'lim texnologiyalaridan foydalanishning ahamiyati	807
Toshova Shaxnoza Tojidorovna	
Bo'lajak boshlang'ich sinf o'qituvchilarining boshlang'ich sinf o'quvchilariga harakatga doir masalalarni klaster metodida o'rgatish	811
Badalov Dilmurod Abdixalilovich	
Ona tili darslarida o'quv lug'atlaridan foydalanishning o'quvchilarning og'zaki nutq kompetensiyasini rivojlantirishdagi didaktik asoslari	817
Ahmedova Adiba Ulug'bek qizi	
Philosophical Aspects and Analysis of the Regularities of the Formation of Geo-Economic Thinking	822
Ubaydullayev Islomjon Abdullayevich	
Bo'lajak boshlang'ich ta'lim o'qituvchilarini sun'iy intellekt texnologiyalaridan samarali foydalanishga tayyorlashning pedagogik asoslari	826
Xudayqulova Fazilat Bo'riyevna	



Boshlang'ich ta'lim va tarbiya jarayonida o'quvchilarning kommunikativ kompetensiyasini shakllantirishda ommaviy axborot vositalarining (Media/Mass Communication) roli.....	831
Bo'ronova Dilrabo Ne'matullayevna	
Inkluziv maktab sharoitida kichik maktab yoshidagi bolalarda ijtimoiy-perseptiv tajribani shakllantirish	835
Karimova Zulfiya Abduraxmanovna	
TEACCH konsepsiyasi – autizm va kommunikativ buzilishlari bo'lgan bolalarni davolash va o'qitish dasturi.....	839
Murodova Sarvigul Raxim qizi	
Модернизация кадровой политики дошкольных учреждений через инновационные мониторинговые механизмы	843
Ким Нигора Каримовна	
Bo'lajak tarbiya fani o'qituvchilarining metodik kompetentligini ergonomik yondashuv asosida rivojlantirish	847
Usmonova Xafiza	
Pedagogik improvizatsiya asosida talabalar o'quv faoliyatini rivojlantirishning pedagogik strategiyalari	852
Ergasheva Muhayyoxon G'anijonovna	
Talabalar orasida ilmiy-pedagogik tadqiqotlarni tashkil etish va o'tkazish	857
Nurmatova Madina Odiljon qizi, Qo'shoqova Farangiz Azizbek qizi	
O'quvchi-yoshlarni oilaga nisbatan ma'naviy-axloqiy va qadriyatli munosabatlarga tayyorlash – ijtimoiy-pedagogik zaruriyat sifatida	861
Xaydarov Oxunjon Murodjonovich	
Talabalarning ijodiy qobiliyatlarini rivojlantirishda mustaqil ta'limning ilmiy-metodik ahamiyati	866
B. Normamatova	
Talabalarda pedagogik e'tiqodni shakllantirishning variativ modeli va uning asosiy komponentlari	869
Bahranova Hulkar Bahran qizi	
Konvensial yondashuv asosida talabalarni mustaqil ta'lim olish samaradorligining didaktik imkoniyatlarini rivojlantirish.....	872
Berdiyev Bahodir Ravshanovich	
Kontekstli yondashuvga asoslangan o'quv-ijodiy faoliyatning turlari	875
Botirova Zilola Nodirovna	
Raqamli texnologiyalar vositasida bo'lajak tarbiyachilarning pedagogik muloqot madaniyatini rivojlantirish.....	878
Ergasheva Sunbula Baxtiyor qizi	
Boshlang'ich sinflarida ta'lim o'quvchilarga sonlar haqida ma'lumot berish	882
Hakimova Zulfizar Umrzoq qizi	
Biologiya ta'limida elektron ta'lim (E-Learning) va aralash ta'lim (Blended Learning) texnologiyalarining samaradorligini tahlil qilish.....	886
Kozimov Akbarjon A'zamjon o'g'li	
Alisher Navoiy asarlarida ma'naviy-axloqiy tarbiyaga oid fikrlari tahlili.....	891
M. Ibragimova	
Integratsiyalashgan dars ta'limiy faoliyat samaradaorligini ta'minlovchi muhim omil sifatida	894
Mahmatqulova Xosiyat Bobomurod qizi	
Tarbiyalanuvchilarni xalq og'zaki ijodi namunalari asosida ma'naviy-axloqiy tarbiyalashning mazmunini ochib berish.....	897
Murodillayeva Durdona Dilmurodovna	
Sun'iy intellekt davrida bolalar adabiyoti: raqamli qahramonlar, interaktiv ertaklar va bolaning ijodiy tafakkuri rivoji	900
Normurodova Nigora Abdusattorovna, Sharipova Iroda Rashid qizi	
Qadimgi va o'rta asr mutafakkirlarining matematika fanining shakllanishi va rivojlanishidagi o'rni	903
Quvvatova Ozoda Gulbek qizi	
Shaxs xolistik rivojlanishi – psixologik-pedagogik muammo sifatida	906
Rashidova Xurriyat Sulaymonovna	
Bolalarda elementar matematik tasavvurlarni shakllantirishning psixologik-pedagogik asoslari.....	908
Ravshanova Kamola Toxirovna	
Matematikaga rivojiga ulkan hissa qo'shgan olimlar	911
To'rayeva Kamola Vosidjon qizi	



Umumiy o'rta ta'limda mexanika masalalarini yechish metodikasi va o'qitish jarayonining didaktik asoslari	914
Toxirova Maxfuzaxon Otaqo'ziyevna	
Bo'lajak maktabgacha ta'lim tashkilotlari tarbiyachi-pedagogalarining kasbiy-axloqiy kompetentligini rivojlantirish	916
Xabibullayeva Sayyoraxon Maxamadali qizi	
TRIZ va kreativ pedagogika: boshlang'ich sinf o'quvchilarining ijodiy muammolarni hal qilish qobiliyatini rivojlantirish	919
Ortiqova Zulfiya Nurmaxammatovna, Fayzullayeva Nazokat Uchqunovna	
Maktab ta'limi uchun mobil ilova yaratishda MIT APP inventor platformasidan foydalanish	922
Tangirov Xurram Ergashevich, Xo'jamqulova Dilso'z Bahodir qizi	
Pedagogical Methods for Improving Students' Creative Thinking as they Learn	927
Akhmedov Alisher Astanovich, Yarmuhamedov Nabijon	
Implementation Outcomes and Development Prospects of the Social And Legal Club in the Secondary Vocational Education System as a Tool for Delivering Social Services.....	932
Makhmudova UgiLOY Baxtiyarovna	
Educational Physics Experiments: Methods and Didactic Strategies for Developing Critical Thinking in Students	935
Chakkanov Fakhriddin Xusanovich	
Current Research and Suggestions on The Impact of Physical Activity on Adolescents' Mental Health	938
Irgashev Shokhrukh Khasanovich	
Maktabgacha ta'lim tashkilotida tarbiyachi shaxsiga qo'yiladigan zamonaviy pedagogik talablar	941
Gaziyeva Nigora shamsiddinovna, Abdiraxmonova Nilufar Muxiddinovna	
Eshituv va fonematik idrokni rivojlantirishda neyropsixologik o'yin usullari	945
Lutfullayeva Sadoqat Muzaffar qizi, Axmedova Zuxra Mirzabekovna	
Metodlarning turlari va nazariy asoslari	948
Murodova Durdona Rayimjon qizi, Ashurova Hulkaroy Ma'rufjon qizi	
Bo'lajak biologiya o'qituvchilarining tizimli tafakkurini rivojlantirishda innovatsion pedagogik texnologiyalarni qo'llash samaradorligini aniqlash: pedagogik tajriba-sinov natijalari va matematik-statistik tahlil	952
Mustafaqulova Dildora Ismatullayevna	
Raqamli texnologiya ta'limga imkoniyatmi yoki xavf?	960
Otanazarova Mehriniso Abdusharif qizi	
Zamonaviy sharoitlarda ma'naviy-ma'rifiy ishlarni olib borish uslubiyoti va unga qo'yilayotgan talablar	963
Ortiqova Nargiza Akramovna, Suvonqulova Muxabbat Otamurot qizi	
Interactive Grammar Learning Methods and their Significance for Non-Philological Education Students .	969
Almatova Umida Islomovna	
Berilganlar bazasi konsepsiyalarining evolyutsiyasi va zamonaviy rivojlanish bosqichlari.....	975
Nosirova Shohista Elmurodovna	
Maktabgacha katta yoshdagi bolalarda milliy g'urur hissini shakllantirishda tarbiyachining pedagogik ahamiyati.....	980
Kadirova Shaxnoza Xudoyberdiyevna	
Autentik matnlar orqali o'quvchilarda o'qishga motivatsiya shakllantirish	987
Usmonova Gulhumor Qo'ldashboy qizi	
Zamonaviy ta'lim tizimida "Aralash ta'lim (Blended Learning)" texnologiyasining joriy etilishi.....	991
Sh. D. Ablakulov	
Ko'paytirish amalini o'rgatishga zamonaviy yondashuv (suv vositasida)	995
Ismoilov Bobur Toxirovich	
WEB dasturlash fanining ahamiyati va rivojlanish tendensiyalari.....	1000
Ovxunov Iqboljon Abdunabiyevich, Abdullayev Javohirbek Zokirjon o'g'li	
Bo'lajak ingliz tili o'qituvchilarida metakognitiv kompetentlikni rivojlantirishning nazariy-metodik xususiyatlari	1005
Sattorova Go'zalxon Mamadaminovna	
Reflective Technologies of Development of Sanogen Thinking in Students.....	1010
Ismailov Murodulla Kahramonovich	
Tinglab tushunish ko'nikmasini rivojlantiruvchi o'quv topshiriqlarini takomillashtirishning pedagogik-psixologik asoslari.....	1014
Avazova Farangiz Ixtiyor qizi	

Surxon adabiy maktabi: Usmon Azim va Shafolat Rahmatulla Termiziy ijodi.....	1022
<i>Xolboyeva Dilafuz Xayrulla qizi</i>	
Boshlang'ich sinf o'quvchilarida tanqidiy mazmundagi masalalar asosida ijodiy fikrlash kompetensiyasini rivojlantirish	1026
<i>Ahmadjonova Intizor Iqboljon qizi, Dehqonova Mahliyo Shuhrat qizi</i>	
Tarbiyalanuvchilarda miqdor va son tushunchalariga doir ta'limiy o'yin faoliyatlari jarayonida ixtiyoriy diqqatini shakllantirish.....	1030
<i>Quysinova Shahlo Nasim qizi</i>	
Alaliyali bolalar bilan logopedik ishning tizimli yondashuvi	1035
<i>Irkinova Irodaxon Temirovna</i>	
Raqamli texnologiyalar yordamida o'quvchilarni eshitish va talaffuzga paralel ravishda rivojlantirish: integratsiyalashgan yondashuv	1040
<i>Raximova Mahliyo Xasanboy qizi</i>	
Gender xususiyatlarning ijtimoiy shartlangan ko'rinishlari	1043
<i>Yulduzxon Mirzaaxmedova</i>	
Oliy ta'limda muhandislik fizikasi fanini o'qitishning didaktik imkoniyatlarini takomillashtirish	1047
<i>Butayeva Nargiza Buriboyovna</i>	
Bo'lajak o'qituvchilarning kreativ kompetentligini integrativ yondashuv asosida shakllantirish modeli.....	1051
<i>Askarova Zilolaxon Nurmuhamadovna</i>	
Sun'iy intellekt asosida ta'limni individuallashtirishning pedagogik asoslari	1055
<i>Abdullayev Alibek Qodiraliyevich, Toxirova Muattarxon Isroil qizi</i>	
Matematik fizika tenglamalari fanini o'qitishda yuqori tartibli differensial tenglamalar bo'limining o'rni va ahamiyati	1060
<i>Murzambetova Mexriban Begdullayevna</i>	
Boshlang'ich sinf o'quvchilari tarbiyasida ota-onalar bilan hamkorlikni tashkil etish metodikasi	1064
<i>Fayziyeva Madinabonu Sohibjon qizi</i>	
O'tkir Hoshimovning realistik xarakter yaratish mahorati.....	1070
<i>Nortojiyev Muxammad</i>	
Bolalar adabiyoti asarlarini tahlil qilishda zamonaviy pedagogik texnologiyalarning imkoniyatlari	1073
<i>Xujamqulova Iroda Faxriddinovna</i>	
O'quv jarayoni ishtirokchilari o'rtasidagi o'zaro munosabatlarning bolalarda bilish faolligini rivojlantirishdagi ahamiyati	1078
<i>Achilov Obid Muzrobovich</i>	
Maktab o'quvchilarida mustaqil ta'limni tashkil etish, o'tkazish va baholash metodikasi.....	1083
<i>Musayeva Gulnoza Yo'ldosh qizi</i>	
Bo'lg'usi pedagoglarda estetik kompetensiyani rivojlantirish pedagogik muammo sifatida.....	1087
<i>Bozorova O'g'iloy Komilovna</i>	
"Taskari teorema" innovatsion pedagogik texnologiyasi	1093
<i>Yandasheva Sevara Ne'matjonovna</i>	
Technologies for Forming Students' Communicative Competence Based on Interdisciplinary Integration.....	1096
<i>Umida Eshmirzayevna Mamatkulova</i>	
Boshlang'ich sinf o'quvchilarida mantiqiy va ijodiy fikrlashni rivojlantirishda elementar matematikaning o'rni	1101
<i>Djuraboyev Maqsudbek Karimbek o'g'li, Badridinov Nusratbek Xusniddin o'g'li</i>	
Zamonaviy muhandisni tayyorlash texnologiyasi – kasbiy kompetentlikni shakllantirish imperativi sifatida	1105
<i>Axmedova Aziza Shokir qizi</i>	
Yengil atletika sportchilarida yadro itqitish harakati biomexanik ko'rsatkichlarining texnik samaradorlikka ta'siri	1110
<i>Djabbarov Axror Islomovich</i>	
Bo'lajak boshlang'ich ta'lim o'qituvchilarining sun'iy intellektdan foydalanish kompetensiyasini shakllantirish	1114
<i>Artikova Nargiz Shuxratovna</i>	
O'quvchilarni tayanch hayotiy kompetensiyalar orqali iqtisodiy bilimlarini shakllantirish	1118
<i>Adizova Nigora Baxtiyorovna, Sayfullayeva Dilnoza Amrullayevna</i>	
Boshlang'ich sinf o'quvchilarining ijodkorlik qobiliyatini rivojlantirishda interfaol ta'lim metodlarining pedagogik samaradorligi.....	1123
<i>Ortiqova Zulfiya Nurmaxamatovna, Oripova Shaxzodaxon Otamurod qizi</i>	



Integrativ yondashuv asosida bo'lajak pedagoglarni ma'naviy tarbiya faoliyatiga tayyorlashning pedagogik mexanizmlari.....	1127
Rahmatjonzoda Ahrorjon Ahmad o'g'li	
Ta'lim transformatsiyasi sharoitida bo'lajak boshlang'ich sinf o'qituvchilarining kasbiy kompetensiyalarini rivojlantirish metodikasini takomillashtirish pedagogik muammo sifatida	1130
Beknazarova Muxlisa O'tkir qizi	
Maktabgacha yoshdagi bolalarni maktab ta'limiga tayyorlashda oila va maktab hamkorligi	1135
Mamadaliyeva Gavxarxon Asiljonovna	
Pedagogik amaliyotda pedagogik mahoratni rivojlantirishning nazariy–amaliy asoslari	1139
Yunusova Feruza Maxamadolim qizi	
O'quvchilarda milliy xarakter xususiyatlarini rivojlantirishning pedagogik aspektlari	1143
Hasanova Gulmira Hoshimjanovna	
Maktab yoshidagi o'quvchilarga she'riy asarlarni o'qitishga doir ayrim metodlar (O. Matjonning "Orolga yordam" she'ri asosida).....	1147
Alxiyeva Sitora Raximqul qizi	
Sport travmalaridan keyingi reabilitatsiyada jismoniy tarbiya vositalaridan foydalanishning nazariy va amaliy asoslari	1150
Begimqulov Oltiboy Jo'rayevich	
Demografik vaziyatning mohiyati va tarkibi	1155
Bomurodov Sanjar Bekmurodovich	
Problems of Developing the Terminology System of the Uzbek Language.....	1159
Dilnoza Yuldasheva Bekmurodovna	
Tarbiya darolarida guruh va jamoaviy o'yinlar orqali muloqot madaniyatini shakllantirish.....	1163
Menlibayeva Azima Oralbayevna	
Raqamlashtirilgan ta'limda talabalarni tanqidiy fikrlash asosida kommunikativ kompetentligini rivojlantirish texnologiyalari.....	1166
Nuriddinova Xurshida Narpulatovna	
Raqamli ta'lim vositalarining boshlang'ich ta'limdagi afzalliklari	1169
Sattorova Mohira	
The Importance of Teaching Physics Through Modern Educational Trends	1172
Sharofutdinov Ikboljon Usmonjon ugli	
Maktabgacha ta'lim pedagoglarining kasbiy rivojlanishida gender rollar nazariyasining amaliy ahamiyati	1176
Tolipova Noilaxon Nodir qizi	
Interfaol metodlar orqali boshlang'ich sinf o'quvchilarida kitobxonlik madaniyatini shakllantirish	1183
Umida Bovanova Abduvahobovna, Bo'riboyeva Navbahor Faxriddinov	
Zamonaviy ilg'or xorijiy tajribalar asosida qon aylanish tizimi mavzusini o'qitishning innovatsion pedagogik texnologiyalarni qo'llash imkoniyatlari	1186
Xaqberdiyeva Sh. T.	
Ingliz tili darolarida kreativlikni oshirishda kuzatiladigan muammolar va ularni yechishga doir pedagogik yondashuvlar.....	1190
Yusupov Lutfullo Sayitturayevich	
Informatika fanini o'qitishda qo'llaniladigan innovatsion ta'lim texnologiyalari ("Axborotlarni kodlash" mavzusi misolida).....	1194
Temirova Gulbahor G'ulomovna, Yusupova Nodira Nurdinovna	
Boshlang'ich ta'limda o'quv veb-saytlari orqali til kompetentligini rivojlantirish	1201
Zokirova Sohiba Muxtoralievna, Muxammadjonova Diyorabonu Muzaffarjon qizi	
Innovatsion ta'lim sharoitida "maktabgacha ta'limda menejment" fanini o'qitishning didaktik imkoniyatlari	1204
Astanakulova Manzura Buribayevna	



PROBLEMS OF DEVELOPING THE TERMINOLOGY SYSTEM OF THE UZBEK LANGUAGE

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Abstract: This article examines current issues in the formation of the terminology system of the Uzbek language. It analyzes the challenges of standardizing terms, the creation of new scientific terminology, and their adaptation to the language. The article also discusses the influence of language policy and lexical processes on the system of terms, as well as the ways of developing Uzbek terminological units in the context of modern scientific and technological progress.

Key words: Uzbek language, terminology system, terminology, term formation, language policy, lexical processes, scientific language, problems.

Annotatsiya: Ushbu maqolada o'zbek tilining terminologiya tizimini shakllantirishdagi dolzarb masalalar yoritiladi. Terminlarni standartlashtirish, yangi ilmiy terminlarni yaratish va ularni tilga moslashtirish jarayonida uchraydigan qiyinchiliklar tahlil qilinadi. Shuningdek, maqolada til siyosati va leksik jarayonlarning terminlar tizimiga ta'siri hamda zamonaviy ilmiy-texnik taraqqiyot sharoitida o'zbek terminologik birliklarini rivojlantirish yo'llari ko'rib chiqiladi.

Kalit so'zlar: o'zbek tili, terminologiya tizimi, terminologiya, termin yaratish, til siyosati, leksik jarayonlar, ilmiy til, muammolar.

Аннотация: В данной статье рассматриваются актуальные вопросы формирования терминологической системы узбекского языка. Анализируются проблемы стандартизации терминов, создание новой научной терминологии и её адаптация к языку. Также обсуждается влияние языковой политики и лексических процессов на систему терминов, а также пути развития узбекских терминологических единиц в условиях современного научно-технического прогресса.

Ключевые слова: узбекский язык, терминологическая система, терминология, образование терминов, языковая политика, лексические процессы, научный язык, проблемы.

INTRODUCTION

This article analyzes the pressing issues related to the development of the terminology system of the Uzbek language. It examines challenges in standardizing terms, creating new scientific terminology, and adapting these terms to the linguistic structure of Uzbek. Additionally, the influence of language policy and lexical processes on the terminology system is discussed, along with potential approaches for advancing terminological units in the Uzbek language within the context of contemporary scientific and technological progress. The development of a comprehensive and coherent terminology system is a crucial component of the linguistic evolution of any language, particularly in the context of scientific, technical, and academic advancement. For the Uzbek language—which has undergone significant historical, sociopolitical, and cultural transformations—the establishment of a standardized terminology system represents both a major opportunity and a complex challenge. As Uzbekistan continues to integrate into the global scientific and technological community, the demand for precise, uniform, and widely accepted terminological units in Uzbek has become increasingly urgent.

Terminology, as a specialized subsystem of language, serves as the foundation for clear and effective communication within numerous professional domains, including medicine, engineering, law, education, and information technology. The absence of a well-structured terminology system in Uzbek hampers not only academic discourse but also practical application and international collaboration. This situation underscores the need to address issues related to the creation, standardization, and dissemination of Uzbek scientific and technical terms.

LITERATURE REVIEW

Historically, the Uzbek language has absorbed lexical elements from Arabic, Persian, Russian, and Turkish. While this has enriched its vocabulary, it has also contributed to terminological inconsistency. The transition from Cyrillic to Latin script, along with ongoing language reforms, adds further complexity to unifying terminological standards. Moreover, rapid developments in science and technology require the continual creation of new terms and the adaptation of foreign terminology in a way that preserves the phonological and morphological characteristics of the Uzbek language. Therefore, this study aims to provide a thorough examination of the issues surrounding the formation of the terminology system in the Uzbek language by exploring its historical background, identifying current challenges, and proposing potential solutions. In doing so, it contributes to ongoing efforts to enhance the functionality, clarity, and sustainability of Uzbek as a modern scientific and educational language.

The development of a well-organized terminology system is not merely a linguistic task but a socio-cultural and educational imperative. In the modern world—where knowledge and information exchange are predominantly conducted through specialized terminology—the absence of a unified system limits Uzbekistan's ability to fully participate in global scientific discourse and technological innovation. This underscores the necessity of addressing terminology development as a strategic national priority that affects education, industry, governance, and international cooperation. One significant factor complicating the development of Uzbek terminology is the inherent complexity of term formation itself. Terminological units must strike a balance between linguistic adequacy—i.e., conforming to the phonetic, morphological, and syntactic norms of the language—and conceptual precision, which ensures clarity and the absence of ambiguity. The challenge lies in producing new terms that are both linguistically natural for native speakers and sufficiently precise for specialized domains. Achieving this requires a deep understanding of linguistic structures as well as the subject matter to which the terms pertain.

Furthermore, the historical layering of Uzbek vocabulary presents both opportunities and challenges. The intermingling of Turkic roots with loanwords from Arabic, Persian, Russian, and more recently English has enriched the language but also created a heterogeneous terminological landscape with overlapping, synonymous, or inconsistently used terms. The presence of multiple synonyms for the same concept can lead to confusion and inefficiency, particularly in educational and professional contexts where clarity and uniformity are essential. This situation necessitates systematic efforts toward standardization and the establishment of authoritative terminological databases and guidelines.

RESEARCH METHODOLOGY

Language policy plays a critical role in shaping the trajectory of terminology development. Governmental and institutional support for linguistic planning, corpus development, and lexicographic activities is essential to coordinate the efforts of linguists, terminologists, and subject-matter experts. Promoting Uzbek as the primary language of science and education requires targeted policies that encourage the creation, approval, and dissemination of standardized terms. Additionally, public awareness and acceptance of these standards are vital for their successful implementation across various sectors. Technological advances, particularly in information and communication technologies, offer new tools and platforms for accelerating terminology development. Digital corpora, terminology management systems, and collaborative online dictionaries facilitate the collection, analysis, and distribution of terminological data. These innovations enable more dynamic and participatory approaches involving experts from diverse fields and, in some cases, the broader public. However, effectively leveraging these technologies requires specialized training and resources, which are still in the process of development within the Uzbek linguistic community.

In conclusion, the formation of the Uzbek terminology system involves a complex interplay of linguistic, cultural, technological, and policy-related factors. Addressing these interconnected challenges requires comprehensive, multidisciplinary approaches that combine theoretical insights with practical strategies. This study seeks to contribute to this endeavor by identifying key problems, analyzing their underlying causes, and proposing viable solutions to promote the coherent development of Uzbek scientific and technical terminology.

ANALYSIS AND RESULTS

The development of a comprehensive and functional terminology system in the Uzbek language is confronted with numerous interrelated challenges that stem from historical, linguistic, sociopolitical, and technological factors. One of the primary obstacles lies in the absence of a unified and standardized approach to term formation, which often results in terminological fragmentation and inconsistency across different scientific and professional fields. This inconsistency complicates effective communication and knowledge transfer,



thereby impeding academic progress and limiting practical application in various domains. Historically, the Uzbek language has undergone multiple phases of lexical influence and script reforms that have left a lasting impact on its terminological landscape. The legacy of borrowing from Arabic, Persian, and Russian enriched the lexicon but introduced terminological disparities due to divergent semantic interpretations and phonological adaptations. Furthermore, the transition from the Cyrillic to the Latin alphabet created additional barriers to terminological continuity, as previously established terms sometimes lost recognition or underwent orthographic modifications that obscured their connections. This historical complexity necessitates a careful and systematic approach to reconciling legacy terms with contemporary linguistic standards to ensure clarity and accessibility.

Linguistically, the task of term formation in Uzbek demands adherence to the phonetic, morphological, and syntactic norms of the language while simultaneously achieving semantic precision. This dual requirement poses significant difficulties, particularly when adapting foreign terms or coining new expressions for emerging scientific concepts. The balance between borrowing and native word-formation processes must be meticulously managed to maintain linguistic integrity and naturalness. Overreliance on loanwords can alienate language users unfamiliar with the source languages, whereas excessive neologism creation risks incomprehensibility or lack of acceptance. Therefore, terminologists must carefully evaluate each proposed term for usability, acceptability, and alignment with linguistic traditions.

The role of language policy and institutional support is crucial in addressing these challenges. National strategies aimed at promoting the Uzbek language in scientific and educational contexts must prioritize systematic terminology development as a central component. This includes fostering collaboration among linguists, subject-matter specialists, educators, and policymakers to develop and approve terms that are linguistically sound and practically relevant. Moreover, educational programs and professional training on terminological standardization and usage can increase awareness and compliance with established norms, enhancing the overall effectiveness of terminology management. Technological advancements provide promising tools for accelerating the development and dissemination of Uzbek terminology. The use of digital corpora, term-extraction software, and online platforms for collaborative term creation and review can significantly improve traditional processes. These tools enable real-time access to linguistic data, facilitate expert interaction, and support the dynamic updating of terminological resources. However, such technological solutions require substantial investment in infrastructure, technical expertise, and user training – areas still in need of development within the Uzbek linguistic community.

Integrating Uzbek terminology into global scientific and technical communication frameworks is another essential objective. Aligning with international standards, including those established by the International Organization for Standardization (ISO), ensures that Uzbek scientific discourse remains compatible with global practices. This alignment supports Uzbekistan's participation in international research, publishing, and technological innovation. Additionally, it underscores the importance of active engagement by Uzbek terminologists in international networks and conferences to foster mutual exchange and cooperation. In summary, the development of the Uzbek terminology system is a multifaceted endeavor requiring coordinated efforts across linguistic, institutional, technological, and cultural domains. Addressing historical legacies, linguistic challenges, policy gaps, and technological potentials will enable the creation of a robust, standardized, and dynamic terminology system that supports Uzbekistan's scientific, educational, and cultural advancement. Continued research, investment, and collaboration are vital for overcoming existing obstacles and realizing the full potential of the Uzbek language in specialized communication.

The development of a standardized and functional terminology system for the Uzbek language is a critical factor in the broader process of modernizing the language and enhancing its capacity to serve as an effective medium of scientific, technical, and educational communication. Throughout this study, it has become evident that the challenges involved are multifaceted, rooted in historical legacies, linguistic complexities, institutional shortcomings, and technological gaps. Overcoming these challenges requires a holistic and coordinated approach that addresses each dimension in a systematic and sustained manner. Linguistically, the process of term formation must balance the integration of loanwords with native word-building mechanisms to ensure terminological clarity and acceptance. The establishment of clear guidelines and standards for term creation – supported by authoritative terminological databases – is essential to achieving consistency and avoiding redundancy or ambiguity. These efforts should be accompanied by continuous educational initiatives to raise awareness among language users, educators, and professionals about the importance of standardized terminology. Institutionally, the role of language policy and coordinated planning is paramount. Effective collaboration among government agencies, academic institutions, linguistic bodies, and industry stakeholders is necessary to implement comprehensive strategies that support terminological development. Institutional backing will also facilitate the allocation of resources needed for technological innovation, corpus development, and training programs that underpin modern terminology management.

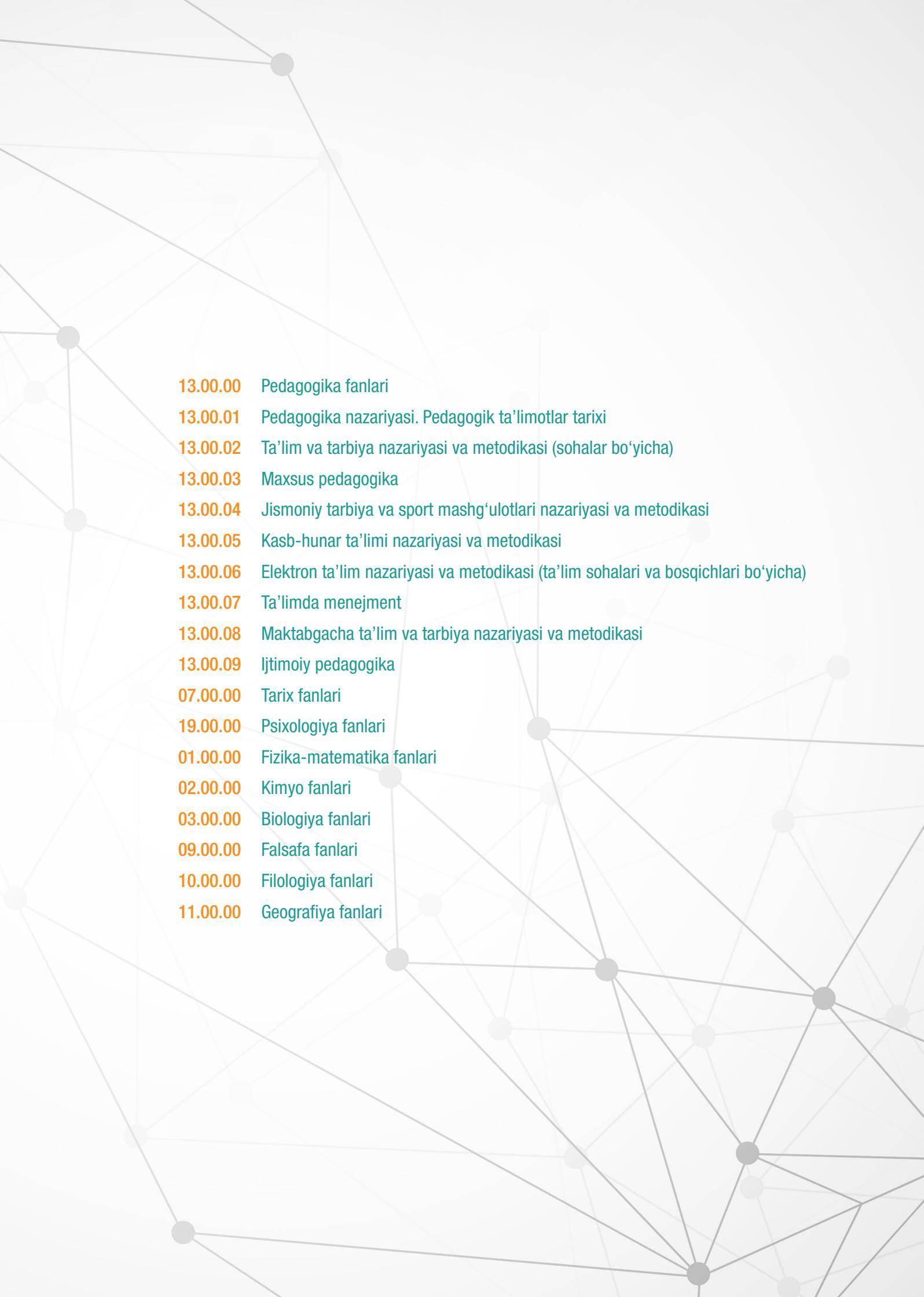
CONCLUSION

Technological advancements offer unprecedented opportunities for accelerating the creation, dissemination, and updating of terminological resources. The adoption of digital tools such as corpora, term-extraction software, and online collaborative platforms can transform traditional, manual processes into more dynamic and efficient systems. However, capitalizing on these technologies requires investment in infrastructure and human capital development to ensure that Uzbek linguists and terminologists possess the necessary skills and resources. Moreover, integrating Uzbek terminology within the framework of international standards and terminological networks is vital for the language's participation in global scientific and technological discourse.

Such integration enhances Uzbekistan's academic and professional exchanges and positions the Uzbek language as a viable and competitive medium in the international arena. Active engagement with global terminology organizations will foster knowledge sharing and the adoption of best practices tailored to the Uzbek context. Finally, the cultural dimension of terminology development underscores the importance of preserving the unique identity and heritage of the Uzbek language even as it adapts to modern scientific demands. Terminology is not only a linguistic tool but also a reflection of how a society conceptualizes and categorizes knowledge. Ensuring that new terms resonate with cultural values and linguistic traditions will enhance their acceptance and usability, thus contributing to the vitality and sustainability of the Uzbek language.

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- 13.00.00 Pedagogika fanlari
 - 13.00.01 Pedagogika nazariyasi. Pedagogik ta'limotlar tarixi
 - 13.00.02 Ta'lim va tarbiya nazariyasi va metodikasi (sohalar bo'yicha)
 - 13.00.03 Maxsus pedagogika
 - 13.00.04 Jismoniy tarbiya va sport mashg'ulotlari nazariyasi va metodikasi
 - 13.00.05 Kasb-hunar ta'limi nazariyasi va metodikasi
 - 13.00.06 Elektron ta'lim nazariyasi va metodikasi (ta'lim sohaları va bosqichlari bo'yicha)
 - 13.00.07 Ta'limda menejment
 - 13.00.08 Maktabgacha ta'lim va tarbiya nazariyasi va metodikasi
 - 13.00.09 Ijtimoiy pedagogika
 - 07.00.00 Tarix fanlari
 - 19.00.00 Psixologiya fanlari
 - 01.00.00 Fizika-matematika fanlari
 - 02.00.00 Kimyo fanlari
 - 03.00.00 Biologiya fanlari
 - 09.00.00 Falsafa fanlari
 - 10.00.00 Filologiya fanlari
 - 11.00.00 Geografiya fanlari



MAKTABGACHA VA MAKTAB TA'LIMI

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