

**PATENTS FOR 2018**

<b>№</b>	<b>Patent or application number</b>	<b>Date of receipt of the patent or filing of the application</b>	<b>The name of the patent or application</b>	<b>Authors</b>
<b>2018</b>				
1	33068	10.09.2018	The method of using groundwater for subirrigation. <a href="https://gosreestr.kazpatent.kz/Invention/DownloadFilePdf?patentId=276274&amp;lang=ru">https://gosreestr.kazpatent.kz/Invention/DownloadFilePdf?patentId=276274&amp;lang=ru</a>	Sagaev Abdizhappar Abiltaevich, Kozykeeva Aliya Tobazhanovna, Alimbayev Yerzhan Nurlanovich, Mustafayev Zhumakhan Suleimenovich.
2	2736	02.05.2018	A method of growing cucumbers on sawdust in a low-volume version <a href="https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=278648">https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=278648</a>	Nurpeisova Aigul Aitbayeva, Dyamurshayeva Elina Bakhtiyarovna, Kudiyarov Rahim Iskenderovich, Sauytbaeva Gulsum Zikiriyevna, Dyamurshayeva Galina Evgenievna, Urazbayev Nurlan Zhetkergenovich.
3	2737	02.05.2018.	A method for growing cucumbers on a substrate of sawdust and rice husks in a low-volume version <a href="https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=278649">https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=278649</a>	Dyamurshayeva Galina Evgenievna, Sauytbaeva Gulsum Zikiriyevna, Kudiyarov Rahim Iskenderovich, Urazbayev Nurlan Zhetkergenovich, Dyamurshayeva Elina Bakhtiyarovna, Nurpeisova Aigul Aitbayevna.
4	2669	19.03.2018	Method of preparation of isoamylbutanoate <a href="https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=282472">https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=282472</a>	Appazov Nurbol Orynbasaruly, Narmanova Roza Abdibekovna, Nurmatova Aizhan Sagindykovna
5	2939	29.06.2018	Method of obtaining iodoform <a href="https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=283619">https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=283619</a>	Espanova Indira Daurenovna, Appazov Nurbol Orynbasarovich, Niyazova Dinara Zhumabekovna.
6	2670	19.03.2018	Method for the production of isopropylbenzene <a href="https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=284066">https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=284066</a>	Nurmatova Aizhan Sagyndykovna, Galeeva Farida Idrisovna, Saduakaskyzy Kulbaram, Appazov Nurbol Orynbasaruly.
7	2635	19.02.2018	The method of obtaining amyl acetate <a href="https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=285214">https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=285214</a>	Abilbek Zhanyl Kabylbek Kyzy, Kulmurzaev Nurlan Serikovich, Omarov Yerlan Ablaevich, Zhapparbergenov Rakhmetulla Umirbekovich, Appazov Nurbol Orynbasaruly.
8	2937	29.06.2018	The method of obtaining propyl	Toibazarova Altynkul

			benzoate <a href="https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=292294">https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=292294</a>	Bakytovna, Omarov Kali Abdiuly, Espanova Indira Daurenovna, Appazov Nurbol Orynbasarovich.
9	2938	29.06.2018	Method of preparation of isopropylbutanoate <a href="https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=292340">https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=292340</a>	Appazov Nurbol Orynbasarovich, Zhapparbergenov Rakhmetulla Umirbekovich, Daurenbekov Kuanysh Koishygulovich, Kenes Zhanar Kairatovna, Isaac Elmurat Sabyrzhanovich.
10	3215	22.10.2018	A method for producing a light porous filler <a href="https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=297531">https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=297531</a>	Montayeva Ainur Sarsenbekovna, Shinguzhieva Altynai Bakytzhanovna, Montayeva Nurgul Sarsenbekovna; Narmanova Roza Abdibekovna, Taskaliyev Azamat Tyulepkalievich, Zharylgapov Sabit Muratovich, Montayev Sarsenbek Aliakbarovich, Bisenov Kilyshbay Aldabergenovich.
<b>2019</b>				
1	3892	19.04.2019	A method for producing activated carbon from rice straw and husks <a href="https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=296733">https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=296733</a>	Lyubchik Svitlana Borisovna, Lyubchik Andriy Igorevich, Lyubchik Sergiy Igorevich, Lygina Olena Sergievna, Zhusupbek Ulbolgan Abdumanapovna, Baynazarova Saltanat Rysymbekovna, Bazarbayev Baurat Malikovich; Appazov Nurbol Orynbasarovich; Turmanov Rakhimzhan Akhmetkhanovich
2	3571	25.01.2019	The method of concreting facing slabs of fine-grained concrete <a href="https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=296733">https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=296733</a>	Baitasov Kamalbek, Abdikerova Aliya Baktybaevna.
3	3890	19.04.2019	Nanocatalyst for hydrogenation of vegetable oil <a href="https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=296733">https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=296733</a>	Appazova Ziyya Zhandosovna, Kydyrbay Maral Bekbolatovna, Saduakasovna Kulbaram, Kurmanbayev Rakhat Khamitovich, Appazov Nurbol Orynbasarovich, Zhusupova Layya Azhibayevna, Zhapparbergenov Rakhmetulla Umirbekovich, Tapalova Anipa Seydaliyevna
4	3821	05.04.2019	A method for producing activated carbon from rice husks and oil sludge. <a href="https://gosreestr.kazpatent.kz/Utility">https://gosreestr.kazpatent.kz/Utility</a>	Lygina Olena, Lyubchik Andriy, Shuragazieva Assel Torebekovna, Kurmanbayev Rahat Khamitovich, Diyarova

			<a href="https://gosreestr.kazpatent.kz/Utility/model/Details?docNumber=302852">model/Details?docNumber=302852</a>	Banu Maralbekkyzy, Appazov Nurbol Orynbasaruly, Baynazarova Saltanat Rysymbekkyzy, Turmanov Rahymzhan Akhmetkhanovich, Dzhiembayev Bulat Zhazkenovich.
5	4173	19.07.2019	A method for increasing the catalytic activity of encapsulated and immobilized enzymes <a href="https://gosreestr.kazpatent.kz/Utility/model/DownloadFilePdf?patentId=310867&amp;lang=ru">https://gosreestr.kazpatent.kz/Utility/model/DownloadFilePdf?patentId=310867&amp;lang=ru</a>	Ibadullayeva Saltanat Zharylkasynovna, Arystanova Asem Talgatovna, Zhandavletova Raykhan Bulatovna, Appazov Nurbol Orynbasaruly, Zhusupova Layla Azhibaeвна, Fomkina Maria; Kim Yuri Alexandrovich, Montrel Alexander Mikhailovich.
6	4134	05.07.2019	A device for breathing exercises <a href="https://gosreestr.kazpatent.kz/Utility/model/DownloadFilePdf?patentId=311950&amp;lang=ru">https://gosreestr.kazpatent.kz/Utility/model/DownloadFilePdf?patentId=311950&amp;lang=ru</a>	Darmagambet Klara Khayrollakyzy, Narenova Saule Maratovna, Auyezova Nurkuigan Dadinovna ,Zhusupova Layla Azhibaeвна, Appazov Nurbol Orynbasaruly, Zhandavletova Raykhan Bulatovna, Ibadullayeva Saltanat Zharylkasynovna
7	4435	08.11.2019	A method for producing activated carbon from rice straw and oil sludge <a href="https://gosreestr.kazpatent.kz/Utility/model/DownloadFilePdf?patentId=316609&amp;lang=ru">https://gosreestr.kazpatent.kz/Utility/model/DownloadFilePdf?patentId=316609&amp;lang=ru</a>	Bazarbayev Baurat Malikuly, Akhmetov Kairat Meirambekuly, Akkol Alisher Bolatbekuly , Alaydar Ali Muratuly, Seitmuratov Angysyn Zhasaralovich, Appazov Nurbol Orynbasaruly, Shuragazieva Assel, Torebekovna; Diyarova Banu Maralbekkyzy, Bisenov Kilyshbai Aldabergenovich, Zhapparbergenov Rakhmetulla Umirbekovich, Turmanov Rakhymzhan Akhmetkhanovich
8	4537	13.12.2019	A method for producing amorphous silicon dioxide from rice husks <a href="https://gosreestr.kazpatent.kz/Utility/model/DownloadFilePdf?patentId=318309&amp;lang=ru">https://gosreestr.kazpatent.kz/Utility/model/DownloadFilePdf?patentId=318309&amp;lang=ru</a>	Seitmuratov Angysyn Zhasaralovich; Mynbaeva Gulzhaina Bakytzhankyzy; Tazhimbetova Ulgan; Baishylykova Akerke Bakytzhanovna ; Appaz Aldiyar Nurboluly; Askarova Gulzat Shakirbekovna
9	33715	21.06.2019	Association of bacterial strains for the removal of oil and petroleum products from soils and waters in a sharply continental and hot arid climate <a href="https://gosreestr.kazpatent.kz/Invention/DownloadFilePdf?patentId=2849">https://gosreestr.kazpatent.kz/Invention/DownloadFilePdf?patentId=2849</a>	Omarov Yerlan Ablaeвich, Bazarbayev Baurat Malikuly, Appazov Nurbol.

## 2020

1	5013	05.06.2020	Patent for a utility model: "Method of manufacturing aerated concrete" <a href="https://gosreestr.kazpatent.kz/Utilitymodel/DownloadFilePdf?patentId=323445&amp;lang=ru">https://gosreestr.kazpatent.kz/Utilitymodel/DownloadFilePdf?patentId=323445&amp;lang=ru</a>	Bisenov Kylyshbai Aldabergenovich, Saktaganova Nargul Amanovna,
2	4801	20.03.2020	Patent for a utility model: "Arbolite mixture for covering floors of livestock premises" <a href="https://gosreestr.kazpatent.kz/Utilitymodel/DownloadFilePdf?patentId=322078&amp;lang=ru">https://gosreestr.kazpatent.kz/Utilitymodel/DownloadFilePdf?patentId=322078&amp;lang=ru</a>	Saken Seitkanovich Uderbayev
3	4890	30.04.2020	Patent for a utility model: "A raw mixture for the production of arbolite" <a href="https://gosreestr.kazpatent.kz/Utilitymodel/DownloadFilePdf?patentId=322170&amp;lang=ru">https://gosreestr.kazpatent.kz/Utilitymodel/DownloadFilePdf?patentId=322170&amp;lang=ru</a>	Alibekov Nauryzbai Bekkozhaevich, Uderbayev Saken Seitkanovich
4	4818	27.03.2020	Utility model patent: "Dry mix for the production of building bricks" <a href="https://gosreestr.kazpatent.kz/Utilitymodel/DownloadFilePdf?patentId=322171&amp;lang=ru">https://gosreestr.kazpatent.kz/Utilitymodel/DownloadFilePdf?patentId=322171&amp;lang=ru</a>	Dilmanova Aizhan Turebaevna, Uderbayev Saken Seitkanovich
5	4847	10.04.2020	A patent for a utility model: "Composition for concrete paving slabs» <a href="https://gosreestr.kazpatent.kz/Utilitymodel/DownloadFilePdf?patentId=322172&amp;lang=ru">https://gosreestr.kazpatent.kz/Utilitymodel/DownloadFilePdf?patentId=322172&amp;lang=ru</a>	Zhakypova Gulnur Mukhamedzhanova, Uderbayev Saken Seitkanovich..
6	5004	05.06.2020	Patent for a utility model: "A method for preparing an arbolite mixture" <a href="https://gosreestr.kazpatent.kz/Utilitymodel/DownloadFilePdf?patentId=323444&amp;lang=ru">https://gosreestr.kazpatent.kz/Utilitymodel/DownloadFilePdf?patentId=323444&amp;lang=ru</a>	Sarsenbaeva Aizhan Maratovna, Bisenov Kylyshbay Aldabergenovich, Uderbayev Saken Seitkanovich
7	5085	26.06.2020	Patent for a utility model: "Raw material mixture for the manufacture of aerated concrete" <a href="https://gosreestr.kazpatent.kz/Utilitymodel/DownloadFilePdf?patentId=323446&amp;lang=ru">https://gosreestr.kazpatent.kz/Utilitymodel/DownloadFilePdf?patentId=323446&amp;lang=ru</a>	Yemys Olzhas Ganievich, Shegenbayeva Raikhan Kumisbekovna, Uderbayev Saken Seitkanovich.
8	5305	21.08.2020	Patent for a utility model: "A method for producing a silicate adsorbent" <a href="https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=328107">https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=328107</a>	Aisautova Zarina Zhenisovna, Akhataev Nurlybek Akarystanovich. Appazov Nurbol Orynbasarovich, Syzdykbayev M. I
9	4751	03.03.2020.	Patent for the utility model "Road surface" <a href="https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=322482">https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=322482</a>	Uderbaev S. S., Erimbetov K. A.

10	4795	17.03.2020.	Patent for the utility model "Asphalt concrete mix" <a href="https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=322029">https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=322029</a>	Uderbaev S.S., Yerimbetov K.A.
11	4942	15.05.2020.	Патент на полезную модель «Сырьевая смесь для изготовления газобетона» <a href="https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=322893">https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=322893</a>	Uderbaev S.S., Shegenbayeva R.K.
12	5151	10.07.2020.	Patent for the utility model "Dry mix for the production of building bricks" <a href="https://gosreestr.kazpatent.kz/Utilitymodel/DownloadFilePdf?patentId=327202&amp;lang=ru">https://gosreestr.kazpatent.kz/Utilitymodel/DownloadFilePdf?patentId=327202&amp;lang=ru</a>	Uderbaev S.S., Dilmanova A.T.
13	5304	21.08.2020.	Patent for the utility model "Composition of concrete mix" <a href="https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=326764">https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=326764</a>	Uderbaev S.S., Arystanbek A.B., Zhakipova G.M.
14	5435	18.09.2020.	Patent for the utility model "Concrete mix" <a href="https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=327319">https://gosreestr.kazpatent.kz/Utilitymodel/Details?docNumber=327319</a>	Uderbaev S.S., Zhakipova G.M., Arystanbek A.B.
15	5447	16.10.2020	Patent for a utility model "Raw material mixture for the manufacture of non-autoclaved aerated concrete" on application <a href="https://gosreestr.kazpatent.kz/Utilitymodel/DownloadFilePdf?patentId=327303&amp;lang=ru">https://gosreestr.kazpatent.kz/Utilitymodel/DownloadFilePdf?patentId=327303&amp;lang=ru</a>	Uderbaev S.S., Shegenbayeva R.K., Kamalova A.B.
16	5645	08.12.2020	Astringent <a href="https://gosreestr.kazpatent.kz/Utilitymodel/DownloadFilePdf?patentId=330664&amp;lang=ru">https://gosreestr.kazpatent.kz/Utilitymodel/DownloadFilePdf?patentId=330664&amp;lang=ru</a>	Sarsenbayev Bakhytzhан Kudaibergenovich, Sarsenbayev Nurali Bakytzhanovich, Kapshagai Galymzhan Orynbasarovich, Shakey Amirzhan Maratovich, Sauganova Gauhar Ramzeevna, Karshygaev Rahimzhan Orinbasarovich
<b>International certificate</b>				
1	2732260	31.01.2020	A patent for an invention Device for electric spark vibration alloying of metals	Marat Malikovich Abaev, Said Nasibullovich Sharifullin, Akmaral Bayniyazova.
<b>2021</b>				
1	5903	2021	"A method for producing sour cream using probiotic yeast"	Smilova J. J. and others.

2	5759	23.04.21	"A method for obtaining biochar from rice husks and straw" <a href="https://cloud.mail.ru/public/yaLY/mYTBz4NmZ">https://cloud.mail.ru/public/yaLY/mYTBz4NmZ</a>	Appazov N.O., Duisembekov B.A., Bazarbayev B.M., Diyarova B.M., Asylbekkyzy T., Magaiiya S.B., Akyzbekov N.I., Zhapparbergenov R.U., Kurbanbayev A.I., Baimbetova G.Z.
3	№19726.	12.08.2021	Transfer of scientific knowledge <a href="https://gosreestr.kazpatent.kz/Invention/Details?docNumber=141161">https://gosreestr.kazpatent.kz/Invention/Details?docNumber=141161</a>	Kalkeeva K.R., Kalimzhanova R.L., Talpakova M.J., Duisekeeva N.J., Kadirsizova Sh.
4	6148	18.06.2021	"The composition of the arbolite mixture" <a href="https://gosreestr.kazpatent.kz/Invention/Details?docNumber=127681">https://gosreestr.kazpatent.kz/Invention/Details?docNumber=127681</a>	Uderbaev S. S.
5	6149	18.06.2021	Methods of making arbolite products <a href="https://gosreestr.kazpatent.kz/Invention/Details?docNumber=127571">https://gosreestr.kazpatent.kz/Invention/Details?docNumber=127571</a>	Uderbaev S. S.
<b>Copyright certificate</b>				
1	Авторлық куәлік 15771	05.03.2021	"Recommendations for increasing the yield of vegetable crops using biocarbon from manure and rice waste" <a href="file:///C:/Users/2016/Downloads/%D0%A1%D0%B2%D0%B8%D0%B4%D0%B5%D1%82%D0%B5%D0%BB%D1%8C%D1%81%D1%82%D0%B2%D0%BE%20(2).pdf">file:///C:/Users/2016/Downloads/%D0%A1%D0%B2%D0%B8%D0%B4%D0%B5%D1%82%D0%B5%D0%BB%D1%8C%D1%81%D1%82%D0%B2%D0%BE%20(2).pdf</a>	Appazov N. O.
2	№12564	14.10.2021	Collection of video tutorials for the first quarter of the 2nd grade "audiovisual work" <a href="file:///C:/Users/2016/Downloads/%D0%A1%D0%B2%D0%B8%D0%B4%D0%B5%D1%82%D0%B5%D0%BB%D1%8C%D1%81%D1%82%D0%B2%D0%BE%20(3).pdf">file:///C:/Users/2016/Downloads/%D0%A1%D0%B2%D0%B8%D0%B4%D0%B5%D1%82%D0%B5%D0%BB%D1%8C%D1%81%D1%82%D0%B2%D0%BE%20(3).pdf</a>	Isaeva Zh., Berzhanova Zh., Serikbaev S.
3	№22472	20.12.2021r.	The author's certificate for the method of obtaining melons <a href="file:///C:/Users/2016/Downloads/%D0%A1%D0%B2%D0%B8%D0%B4%D0%B5%D1%82%D0%B5%D0%BB%D1%8C%D1%81%D1%82%D0%B2%D0%BE%20(4).pdf">file:///C:/Users/2016/Downloads/%D0%A1%D0%B2%D0%B8%D0%B4%D0%B5%D1%82%D0%B5%D0%BB%D1%8C%D1%81%D1%82%D0%B2%D0%BE%20(4).pdf</a>	Kosanov S.U., Abyzbekova G.M.
4	№ KZ 2021-1	28.12.2021	Certificate of deposit of the copyright certificate	Kosanov S.U., Abyzbekova G.M.
5	№926	17.07.2021	Patent for a breeding achievement <a href="https://gosreestr.kazpatent.kz/SelectionAc">https://gosreestr.kazpatent.kz/SelectionAc</a>	Tokhetova L.A., Shermagambetov K.,

			<a href="#">hievement/Details?docNumber=275403</a>	Umirzakov S.I., Bodyak N.
<b>2022</b>				
1	№ 4847 (ұзартылған)		"Dry mix for the production of building bricks" <a href="https://gosreestr.kazpatent.kz/Utilitymod el/DownloadFilePdf?patentId=322172&amp; lang=ru">https://gosreestr.kazpatent.kz/Utilitymod el/DownloadFilePdf?patentId=322172&amp; lang=ru</a>	Uderbaev S.S. Zhakipova G.M.
2	№ 4890 (ұзартылған)		"Composition for concrete paving slabs" <a href="https://gosreestr.kazpatent.kz/Utilitymod el/DownloadFilePdf?patentId=322170&amp; lang=ru">https://gosreestr.kazpatent.kz/Utilitymod el/DownloadFilePdf?patentId=322170&amp; lang=ru</a>	Uderbaev S.S.
3	№ 4818 (ұзартылған)		Raw mix for the production of arbolite <a href="https://gosreestr.kazpatent.kz/Utilitymod el/DownloadFilePdf?patentId=322171&amp; lang=ru">https://gosreestr.kazpatent.kz/Utilitymod el/DownloadFilePdf?patentId=322171&amp; lang=ru</a>	Uderbaev S.S.
4	№ 6951	18.03.2022	A method for producing an adsorbent based on calcium silicate	Appazov N.O. Akhataev N. A. Aisauytova Z. Zh. Oten D.S.
5	№36015	23.12.2022	A patent for an invention: 7-((2-((4-(bromomethyl)benzyl) dimethylammonio) ethyl) amino)-5-chloro-6-nitrobenzo[c][1,2,5]oxadiazole 1-oxide bromide and 4-((2-((4- ( bromomethyl) - benzyl)- dimethylammonio)ethyl) amino)-a method for producing a mixture of tautomers of 6-chloro-5-nitro-benzo[c][1,2,5]oxadiazole 1-oxide bromide and its use as an additive with antimicrobial activity	Appazov N.O., Bazarbayev B.M., Teplova A.S., Nurmanova R.A., Akylbekova N.I., Zhapparbergenov R.U., Kanzhar S.A. Abyzbekova G.M., Akhataev N.A., etc.
6	№36014	23.12.2022	A method for producing isovaleric acid monoglycerides with antibacterial and antifungal activity	Appazov N.O., Osmanova I.D. Appaz A.N., Akylbekov N.I., Zhapparbergenov R.U., Kanzhar S.A. Abyzbekova G.M., Akhataev N.A., etc.
7	№36004	15.12.2022	Patent for the invention: A method for producing 4,6-dichloro-2,2-dimethyl-2H-benzimidazole 1,3-dioxide with antibacterial and antifungal activity	Appazov N.O., Topalova A.S., Akylbekov N.I., Zhapparbergenov R.U., G.M., Akhataev N.A., etc.
8	№ 35978	09.12.2022	Patent for the invention: carbonodithioate compound of O-(4-formylphenyl) sodium with activation of a growth accelerator	Appazov N.O., Bazarbayev B.M., etc.
9	№7699	30.12.2022	A method for producing cellulose from rice straw	Appazov N.O. Espanova I.D. Moldanazar A.A., etc.
10	№7696	30.12.2022	A method for producing granular activated carbon from rice waste and oil sludge	Appazov N.O., Bazarbayev B.M., Diyarova B.M., Asylbekkyzy T., Akylbekov N.I., Zhapparbergenov R.U., etc.
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1	№ 23890	24.02.2022	Recommendations for recycling rice waste into biofertilizer – Terra Preta <a href="file:///C:/Users/2016/Downloads/%D0%A1%D0%B2%D0%B8%D0%B4%D0%B5%D1%82%D0%B5%D0%BB%D1%8C%D1%81%D1%82%D0%B2%D0%BE%20(1).pdf">file:///C:/Users/2016/Downloads/%D0%A1%D0%B2%D0%B8%D0%B4%D0%B5%D1%82%D0%B5%D0%BB%D1%8C%D1%81%D1%82%D0%B2%D0%BE%20(1).pdf</a>	Appazov N.O., Bazarbayev B.M., Diyarova B.M., Asylbekkyzy T., Magaiya S.B., Akyzbekov N.I., Zhapparbergenov R.U., Akhataev N.A., etc.
2	№ 25306	20.04.22	Modern clothes based on the Kazakh traditional costume "oku kuraly	Shildebaeva L.K.
3	№ 30209 Куәлік	11.11.2022	Recommendations for recycling rice waste into bio coal	Appazov N.O., Bazarbayev B.M., Diyarova B.M., Asylbekkyzy T., Narmanova R.A., Akyzbekov N.I., Zhapparbergenov R.U., Zhumabekov N.B., Akhataev N.A., etc.
<b>International patent</b>				
1	№2780109	19.09.2022	Anti-inflammatory eye drops for household and agricultural use	Abzhalelov B.B. Appazov N.O. Kosanov S.O. Balykbaeva G.T.
<b>2023</b>				
1	№8/06-2K	submitted	Breeding achievements for the spring barley variety "Damir"	Tokhetova L.A., Umirzakov S.Y., Shermagambetov Kamaldin, Bitir B.
2	№2023/0200.1	submitted 20.03.23	Arbolite mixture	A. Uderbaev S.S., Saktaganova N.A., Bisenov K.A., Budnikova A.M.
3	№2023/0170.1	submitted 08.03.23	Concrete mix	Uderbaev S.S., Saktaganov N.A., Zhakypova G.M., Budnikova A.M., Arystanbek A.B., Tulegenova G.S.
4	№2023/0146.1	submitted 01.03.2023	Composition for the manufacture of small concrete products	Uderbaev S.S., Saktaganova N.A., Zhakypova G.M., Budnikova A.M., Korganbayeva G.M.
5	№2023/0201.1	submitted 22.03.2023	The method of obtaining arbolite products	Uderbaev S.S., Zhanatuly Saken, Abieva G.S., Alibekov N.B.
6	№2023/0665.1	подано 05.10.2023	Method of preparation of 6-chloro-4-(3-(dimethylamino)propylamino)-5-nitrobenzene[c] [1,2,5]oxadiazole 1 is a chloride oxide with growth-stimulating and antifungal properties ACTIVITY	Appazov N.O., Akyzbekov N.I., Tapalova A., Chugunova E.A., Zhapparbergenov R.U., Morialieva Z.Z., Turmanov R.A., Darmagambetova K.H., Duisembekov B.A., Sardar A.A., etc.
7		06.10.2023	Method of preparation of 6-chloro-4-(3-(morpholino-4-and um)propylamino)-5-nitrobenzo[c] [1,2,5]oxadiazole 1-chloride oxide with growth-stimulating, antibacterial	Appazov N.O., Akyzbekov N.I., Tapalova A., Zhapparbergenov R.U.,



			and antifungal activity	Abzhalelov B.B., Suleimenov N.S., Makhanova G.M., Balykbaeva G.T., etc.
8	№2023/0987. 2	04.10.2023	Increase efficiency of concrete increase the strength of concrete approach	According to the results of the research, the results of the research were determined by the results of the research.
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1	№37285	19.06.2023	Computer program	Koptileuov A.B., Koptileuov B.J.
2	№37725	01.07.2023	Electronic training manual «Composition»	Alaidarova A.A., Omarov T.Zh., Nazarov A.Zh., Bodikov S.Zh.
3	№ 35059	24.04.2023	Technology of preparation of therapeutic whey water enriched with vitamins useful for the human body recommendations	Abdikhaimova G.T., Zhumadilov J.Sh.
4	№ 38027	18.07.2023	Electronic textbook on the discipline «History of costume»	Koshkarova S.Z.
5	№ 37309	20.06.23	Electronic textbook «high voltage equipment»	Sydykova G.K.
6	№34028	28.03.2023	The anatomy of sports exercises	Makhambetov E.O., Baykenzheeva A.T., Berdenkulova A.J.
7	№34187	31.03.2023	Fundamentals of anatomy, sports morphology	Makhambetov E.O., Baykenzheeva A.T., Kurmanbaev R.H., Sagynbayeva G.B.
8	№35052	24.04.2023	Mechanics	Begaliev E.Zh., Seitmuratov A.Zh., Isaeva G.B., Kozybai A.K.
9	№37829	10.07.2023	A program for calculating creep by the Abel function	Yensebaeva G.M.
10	№39292	27.09.2023	Electronic textbook «New state management»	Abdimomynova A.S.
<b>2024</b>				
<b>Patents</b>				
1	№8859	16.02.2024	A way to increase the strength of concrete	Appazov N.O., Akylbekov N.I., Zhapparbergenov R.U., Niyazova D.J., Ospanova I. D., Toibazarova A.B., Karmanova R.A., Akhataev N.A., Uderbaev S.S. and others
2	№36538	05.01.2024	Screen for protecting buildings and structures from seismic shocks in case of earthquakes and the impact of man-made sources of oscillations	Uderbaev S.S.
3	№36592	09.02.2024	Raw material mixture for the production of artificial porous filler	Uderbaev S.S., Saktaganova N.A., Zhakypbaeva A.U., Khamit A.N., Embergenov

				M.A.
4	№36595	09.02.2024	The composition of the raw mix for the production of ceramic products	Uderbaev S.S., Saktaganova N.A., Bisembaev E.T., Dilmanova A.T.
5	№ 9182	31.05.2024	Method for producing adsorbent based on aluminosilicate	Appazov N.O., Akhataev N.A., Syzdykbaev M.I., Nurmash.K.N. and etc.
<b>Copyright certificate</b>				
1	№ 41821	08.01.2024	Linguistic and pedagogical foundations of problem-based learning	Kamisheva G.A.
2	№ 41757	04.01.2024	Russian Russian dictionary of names of dishes (Kazakh-Russian and Russian-Kazakh dictionary)	Abasilov A., Bekish E. A.Abilov, Boranbai B., A.Kakarmanova
3	№42462	03.01.2024	Mobile applications in teaching natural education programs	R.U. Umirzakovna
4	№44490	10.04.2024	A tutorial on growing cucumbers and tomatoes without soil in greenhouse conditions	Dyamurshaeva G.E., Kudiyarov R.I., Sauytbaeva G.Z.,Dyamurshaeva E.B.
5	№43945	28.03.2024	"Smart lifesaver" is a human life saving device	Makhanova G.M., Malibekova U.T.
6	№43555	07.03.2024	Professional Russian language	Maigeldieva Zh.M., Toktamysova D.K., Baykenova K.S.
7	№42617	05.02.2024	The linguistic culture of the "family" as a fragment of the linguistic picture of the world	Yesenova P.S., Taybekova L.S.
8	№42120	17.01.2024	Formation of skills for analyzing works of different genre nature in Russian literature lessons: grades 5-9 at the level of basic secondary education	Urazbaeva N.J.
9	№41797	08.01.2024	Introduction to the specialty	Zharbulova S.T.
10	№45115	25.04.2024	Electronic training manual «ECO PEDAGOGY»	Primbetova A.I.
11	№42945	15.02.2024	Mobile application "Human and Animal Physiology"	Almenaeva R.U., Ibadullayeva S.J.
12	№44475	09.04.2024	The educational and methodological complex of the discipline "Design and Technology"	Shildebaeva L.K., Zhunisova A.T.
13	№44238	03.04.2024	"The use of traditional iconic symbols in the development of the creative industry of the Syrdarya region"	Shildebaeva L.K., Tazhieva Z.D.
14	№44007	27.03.2024	Educational and methodological complex of the discipline "Scientific and research foundations"	Shildebaeva L.K.
15	№43933	26.03.2024	Monograph "Methods of designing modern clothes based on traditional Kazakh costume"	Shildebaeva L.K.
16	№47371	12.06.2024	Electronic textbook "Selection and seed production of agricultural crops"	Kosanov S.U., Tynykulova M.K., Tynykulova A.S.

