

Naturally renewable reactive oligomers are able to modify polyesters, polyurethanes and polyethers gain widespread use. This is not only due to the fact that limited requests compounds derived from hydrocarbons that can satisfy the needs of civilization. It is so. But there is reason itself generated by civilization, called the pollution of plastic waste, lifetime (biodegradation) which can consist of a decade. Therefore, the task of attracting reactionary capable cellulose derivatives, vegetable oil, starch, etc. for new polymer compounds tolerant biological environment of Earth is urgent. This is partly confirmed by cycle works below.

#	Name of work	Name Journal of Publication	Co-author
1	Synthesis of co-polyurethanes of the base cellulose derivatives	Доповіді НАН України, №11, с.189-192, 2000	Vilensky V. Kercha Y.
2	Synthesis and Study of polyurethane on the base of TDI and different cellulose derivatives	Пласт. массы, №8, с.30-35, 2001	Vilensky V. Goncharenko L.
3	Initiating the process of crystallization of ethyl cellulose chemical modification of its macrodiisocyanate	Доповіді НАН України, №8, с.123-126, 2001	Vilensky V. Kercha Y. Goncharenko L.
4	Viscoelastic properties of cellulose derivatives, modified by macrodiisocyanate	Композиц.полимер. мат-ли Т.25, №2.С.134-137, 2003	Vilensky V. Kercha Y. Goncharenko L.
5	Features of the thermo-initiated changes of structure of the heterogeneous mixtures PU and ABC	Вісник Університет Шевченк, №2, с.335-346, 2003	Vilensky V. Ovsiankina V.
6	Research thermal and dielectric properties of mixtures "conditionally compatible" PU and ABC	Доповіді НАН України, №6, с.147-151, 2003	Vilensky V. Ovsiankina V. Kercha Y.
7	Roentgenografical study of the influence of constant magnetic field on the structure of composites based on urethane-containing polymer	Полімерний журнал Т.26, №1, с.26-32, 2004	Vilensky V. Ovsiankina V.
8	The influence of magnetic field on the thermal capacity, and crystal structure of polymer composites	Доповіді НАН України, №4, с.126-130, 2004	Vilensky V. Ovsiankina V. Kercha Y.
6	Synthesis and study modified by aliphatic macro diisocyanate of acetobutyrate cellulose	Укр. хім. журнал, т.70 №2, с.119-124 2004,	Vilensky V. Kercha Y.
7	Features of structural modification of cellulose acetobutyrate with segmented	Вопросы химии и хим. технологии,	Vilensky V. Ovsiankina V.

	polyurethane	2004, № 3, с.126-130	
8	The influence of constant electric field on the processes of structure formation in composites polyester-urethane and ABC obtained from solution	Доповіді НАН України, №7, с.131-136, 2004	Vilensky V. Ovsiankina V. Kercha Y.
9	Thermal and dielectric properties of mixtures based on PU and ABC	Фізика конденс. високомолек. систем 2004, №10, с19-23	Vilensky V. Ovsiankina V. Kuporev B.
10	Method obtaining of Polyurethane	Патент України № №76673, 2006, Бюл. №8	Vilensky V. Goncharenko L.
11	Effect of constant magnetic field on compatibility in polymer composites	Доповіді НАН України, 2005, №3 С.132-138	Vilensky V. Ovsiankina V. Kercha Y.
12	Effect of a constant magnetic field on the structure and properties of composites of incompatible polymers	Высокомол. Соед. 2005 47А №12, с.1-10,	Vilensky V. Ovsiankina V. Kercha Y.
13	Features of forming coordination complexes involving metal oxides to constitutions of cellulose-urethane copolymers	Доповіді НАН Укр. №10, с.124-130, 2005	Vilensky V. Goncharenko L.
14	Comparative effect of constant electric and magnetic fields in the crystal structure, thermal and dielectric properties of metals containing polyurethane copolymers cellulose	Фізика конденс. високомолек. систем, №10, с10-16, 2005	Vilensky V. Goncharenko L. Ovsiankina V.
15	Investigation of structure and thermal properties of PU polysaccharide exposed to solvent and Magnetic Fields	Укр. хім. журнал, 2006, №4, т.72 С.113-118	Ovsiankina V. Vilensky V. Goncharenko L.
16	Method modification of acetobutyrate Cellulose	Патент України №75551, Бюл. №4, 2006	Vilensky V. Kercha Y.
17	The structure and dielectric properties of metal-containing renewable copolymers exposed by magnetic fields	Полімерний журнал 2006, Т.28 , №3, с. 201	Vilensky V. Goncharenko L. Vilenska L.
18	Investigation of the structure and properties of composites based diglycidyl ether of bis-phenol A and	Полімерний журнал Т.28, №2, с.133,	Vilensky V. Goncharenko L. Ovsiankina V.

	dextrose monohydrate	2006,	
19	Influence of synthesis conditions on the structure and physicochemical properties of nanocomposites ABC-metal-containing oligourethane	Український хім. журн. Т.28, №2, с.133, 2006,	Vilensky V. Goncharenko L.
20	Synthesis and study of co-polyurethanes based of cellulose derivative	1X-а Всеукр. конф. з ВМС 26-28.09 2000, Київ, с.61	Vilensky V.
21	Modification of composites cellulose acetobutyrate and polyurethane by constant magnetic or electric fields	Полімерний журнал 2007, Т.29, №3, С.195-202	Vilensky V. Goncharenko L.
22	Method of obtained Polyurethane	Патент України, 2007, №27321	Vilensky V. Kercha Y. Goncharenko L.
23	Vegetable oils raw materials for the synthesis of polyurethanes	Хімічна промисловість України, 2007, №6, с. 14-17	Vilensky V. Goncharenko L.
24	Synthesis oligourethanes based on rapeseed and linseed oils	Доповіді НАН України, 2008, №4, с.149-153	Vilensky V. Goncharenko L. Kercha Y.
25	The influence of synthesis conditions and the diisocyanate structure to the chemical modification of cellulose derivatives	Полімерний журнал, 2008. Т.30 №4. С.287-292	Vilensky V. Menzheres G.
26	Polyurethane as films and constructive material	Патент України UA42120, 2009. Бюл.№12,2009	Vilensky V. Goncharenko L.
27	Chemical modification of rapeseed oils for obtained reactive oligomers of epoxy resin and urethanes	Вопросы химии и химической технологии, Січень 2010	Vilensky V. Goncharenko L.
28	Reactive derivatives of rapeseed oils for polymers compound	Доповіді НАНУ 2011, №6, с.135-142	Vilensky V. Kercha Y.
29	Features of chemical structure containing urethane polymers obtained using rape polyol	Доповіді НАНУ №11, 2014. С.116-120	Boyko V. Kobrina L. Vilensky V.