Research on the effect of constant magnetic field on the behavior of organic reactions became sustainability of the 60s of last century. Initially works were directed at establishing a mechanism of influence of field on the magnetic moments are not paired electrons radical polymerization reactions. Currently, the process spread to polymers research involving methods of analysis of their structure and properties. Now, the impact of the use of magnetic and electric fields is considered as a partial replacement of the chemical, physico-chemical modification of polymers and composites that can be traced to the following results.

#	Name works	Journals and Place of Publication	Co-authors
1	External magnetic field influence on the structure of urethane-containing block-copolymers	Доповіді НАН України №12, с.142 1996	Vilensky V.
2	Investigation of the structure and properties of PMMC, synthesized in magnetic fields with different intensity	Збірка праць з техн. хімії 2 Міжнародна наук.технічна конф., Харків, 1997, с.27	Vilensky V. Goncharenko L. Petrov.V.
3	New principles of creation of the urethane containing polymer composites	Укр. хім. журнал, 1997,-Т.63, №9,-С.52	Vilensky V.
4	Method of production of polyurethanes	Патент України, 1999. №26020, Бюл.№1,	Vilensky V. Goncharenko L. Kosianchuk L. Lipatnikov Y/
5	Investigation relaxation processes of the ligands of metal containing polyurethane semicarbazides in temperature and electrical fields	Высокомолек. соед. 2000. А.42, №6, -С.1065	Vilensky B. Kuporev B. Goncharenko L.
6	Influence of annealing in constant magnetic fields on dielectrical properties of chelate containing polymers.	Высокомолек.соед. 2001.-В-43, №3. С.536,	Vilensky V. Kuporev B. Goncharenko L
7	The structure and heat capacity of polymethacrylic acid, synthesized in constant magnetic field.	Доповіді НАНУ, 2001. №9, -С. 137,	Vilensky V. Goncharenko L.
8	The study of influence of magnetic field on heat capacity and crystalline structure of polymer composites	Доповіді НАНУ, 2004. №4, -С. 126.	Vilensky V. Ovsiankina V Kercha Y
9	Roentgenografical study of the influence of constant magnetic field on structure of composites on the base of urethane containing polymers	Полімерний журнал, т.26, №1,-С.26. 2004.	Vilensky V. Ovsiankina V
10	The study of influence of constant	Доповіді НАНУ, 2004.	Vilensky V.

	electrical field on the processes of structure formation in composites of polyester urethane and ABC, obtained in solution.	№7, -С.131,	Ovsiankina V Kercha Y
11	The structure, properties and peculiarities of PMMA aging, synthesized in constant magnetic field,	Укр. хім. журнал, 2005. т.71, №2, -С.123	Vilensky V. Buato G. Goncharenko L.
12	The influence of constant magnetic field upon compatibility of polymers in composites.	Доповіді НАНУ, 2005. №3, -С.132,	Vilensky V. Ovsiankina V Kercha Y
13	The influence of constant magnetic field on the structure and properties of incompatible polymers of composites	Высокомолек. соед., 2005. А.47, №12, -С.3,	Vilensky V. Ovsiankina V Kercha Y
14	Comparative influence of constant electrical and magnetic fields on crystalline structure, thermal physical and dielectrical properties of metal containing polyurethane-cellulose copolymers.	Фізика конденсованих високомолекулярних систем (Рівне), 2005. Випуск 5, -С.10-16,	Vilensky V. Goncharenko L. Ovsiankina V
15	The structure and dielectrical properties Of metal containing renewable copolymers under the action of magnetic field.	Полімерний журнал, 2006. Т.28 ,	Vilensky V. Goncharenko L. Vilenska L
16	The method of acetobutyrate-cellulose modification.	Патент України. 2006. №7555, Бюл.№4,	Vilensky V. Ovsiankina V Kercha Y
17	Comparative studies of influence of composition and physical fields on structure and thermal physical properties of urethane containing polymeric materials.	Доповіді НАНУ 2007,№7, -С.129	Vilensky V Kercha Y Goncharenko L.
18	Modification of acetobutyrate-cellulose and polyurethane composites by constant magnetic and electrical fields.	Полімерний журнал.2007, Т.29, №3, -С.195	Vilensky V. Goncharenko L.
19	Modification of polymeric composites by electrical and magnetic fields	Ж. Прикл. Химии С-Петербург 2008, Т.81, вып.7. -С.1145	Vilensky V. Goncharenko L.
20	Utilization of physical fields for modification of polymers composites	Вопросы химии и химической технологии .2007, №6	Vilensky V. Goncharenko L.
21	Influence of dispersed fillers nature on structure, thermo physical and dielectrical	Полімерний журнал, 2008, Т.30, №2, с.	Vilensky V. Demchenko V

	properties of composites on base of epoxy resins.	133-140	
22	Microheterogenic structure of composites on the base of epoxy resin and metal oxides Fe(III) or Al(III)	Полімерний журнал 2008, Т.30,№3, -С.233	Vilensky V. Demchenko V Kercha Y
23	Investigation of thermomechanical and thermo physical properties of nanocomposites on the base of polyepoxy and dispersed fillers of different nature.	Фізика конден-сованих високомо-лекулярних систем 2008, вип.13, -С.18	Vilensky V. Demchenko V Kercha Y
24	Influence of constant magnetic field on structure of composites on the base of polyepoxy and oxides Fe(III) or Al(III)	Полімер. Журнал, 2008,т.30,№4, -С.302	Vilensky V. Demchenko V Kercha Y
25	Influences of constant electrical field intensities on structure, thermo physical properties and conductivity of nanocomposites polyepoxy-metal oxide	Вісник Київського университету, Сер. Фізико-матиматичні науки.-2009. №1.-С.227	Vilensky V. Demchenko V
26	Influence of constant magnetic field on structure and properties of composites on the base of polyepoxy and metal oxides (Fe2O3; Al2O3)	Журнал фізичних досліджень (м.Львів)б, Т.14,№1, (2010), 1401-1(6с)	Vilensky V. Demchenko V
27	Influence of constant magnetic field intensity on structure and properties of composites of polyepoxy-oxides Fe(III) or Al(III).	Фізико-хімічна механіка матеріалів (м.Львів) 2009- Т- 45,№3.-С.76	Demchenko V Vilensky V.
28	Influence of magnetic and electrical fields on structure and properties of filled polymers. (Review)	Полімер. Журнал, 2009,Т.31,№2, - С.97	Vilensky V. Demchenko V
29	Influence of constant electrical and magnetic fields on structure and thermomechanical properties of composites on the base of polyepoxy and metal oxides Fe(III) or Al(III)	Наукові вісті НТТУ «КПІ» 2009 , -№2.-114	Vilensky V. Demchenko V
30	Influence of intensity of constant magnetic fields on the structure and properties of composites based on epoxy polymers and Fe(III) And Al(III) Oxides	Material Science, 2009, V.45, №3, -Р.409	Vilens'kyi V. Demchenko V.
31	Dielectric and conducting properties of EP-Me2O3 та EP-Me2O3+ПАn composites	Полім. Журнал, 2010, Т.32, №2. С.129	Vilensky V. Demchenko V

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32	Influence of magnetic field intensity on structure and properties of composites of epoxy polymer and metal oxides (Fe2O3, Al3O3.	Полімерний журнал, 2010, Т.32, №3, -С.217	Vilensky V. Demchenko V
33	Study of polyepoxy – metal oxides composites , modified by constant magnetic or electrical fields	Полімерний журнал, 2010, Т.32, №4, -С.321	Vilensky V. Demchenko V Kercha Y Diakova A
34	Polyepoxy-metal oxides-PAn composites. Effect of formation conditions on structure, thermo-physical and thermomechanical properties.	Полімерний журнал 2011, Т.33, №4, -С.339	Vilensky V. Demchenko V
35	Effect of formation conditions of polyepoxy-metal oxide-polyaniline composites on their thermo physical and thermomechanical properties.	Вопросы химии и химической технологии 22.07.2011	Vilensky V. Demchenko V
36	About “relaxational structure” of filled polyepoxides	Доповіді НАНУ 2012, №4. -С.128	Kercha Y Vilensky V. Demchenko V
37	Constant magnetic and electrical fields affect factors on phase processes in heterogenic polymer systems.	«Фазовые процессы в гетерогенных полимерных системах», Київ. Наук. Думка, 2012, Гл.7,-С.157	Vilensky V.
38	Some physical properties of relaxational structure of filled polyepoxy.	Полімерний журнал, 2012. –Т.34, №2.–С.168-178	Vilensky V. Demchenko V Bardadym Y
39	Structure and properties of polymer composites on the base of polyepoxy-polyaniline-metal oxides Al(III) or Fe(III)	Наносистеми, Наноматеріали, Нанотехнології . Т.10, Випуск №3. ЗВВ ІМФ, 2012. -С. 543	Vilensky V. Demchenko V Kercha Y
40	Thermomechanical properties of EP-3%CdO and EP-3%(CdO-PAn) nanocomposites cured in constant magnetic or electrical fields.	Полімерний журнал 2012. Т.34, №4. С.382	Vilensky V. Bardadym Y Zagorny M
41	Thermo physical properties and peculiarities of thermo destruction of polyepoxy-metal oxides-polyaniline	Полімерний журнал, 2013. Т.35, №3. С. 473	Vilensky V. Bardadym Y Bortnitsky V

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42	Thermo physical properties and thermo destruction of composites cured in constant physical fields.	Науковий Вісник НТТУ «КПІ» 2013, N5, -С.107	Vilensky V. Bardadym Y
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44	Correlation of crystalline structure and dynamic properties of nanocomposites EP-3%CdO and EP-3%(CdO-PAn)	Доповіді НАНУ, 2014, №1.-С.63	Vilensky V. Bardadym Y Gomza Y Kercha Y
45	Thermal properties of dielectric characteristics of EP-3%MeO та EP-3%(MeIO-MeIIO) mesocomposites formed in constant physical fields.	Полімерний журнал,2014.– т.36, №2.–с146	Bardadym Y Vilensky V. Bortnitsky V
46	X-ray structural analysis of PbO polymorphism in polymer matrix formed under action of physical fields	Доповіді НАНУ, 2014. №10,–с.69-75	Vilensky V. Bardadym Y Gomza Y Kercha Y
47	Mesocomposites based on Cr2O3, cured in constant physical fields: structure, density and ac-conductivity.	Полімерний журнал 2015. -37(3) -С.275	Vilensky V. Bardadym Y Gomza Y Kercha Y
48	Initiation of mono oxide lead polymorphism by cured of polyepoxy in constant magnetic or electrical fields	Фізика і хімія твердого тіла. Т.16 (2015),-С.123	Vilensky V. Bardadym Y Gomza Y Kercha Y
49	Thermomechanical and dielectrical properties of mesocomposites based on polyepoxy-metal oxides-polyaniline, formed in constant physical fields.	Фізика і хімія твердого тіла -2015. Т.16.№4. С.726	Vilensky V. Bardadym Y
50	Influence of properties of metal oxide fillers on dynamic mechanical characteristics of mesocomposites formed by constant physical fields.	Наукові Вісті НТУ України «КПІ» №6(2015) с.87	Vilensky V. Bardadym Y Tkalich M
51	Structure and physical properties of polymer composition materials, formed in constant magnetic and electric fields (Review)	Полімерний Журн.-2016.-Т.38,№2.-С.115	Bardadym Y Vilensky V.