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1. Professional experience:

28/05/ 2015 – present: Professor at School of Materials Science and Green Technologies, **Kazakh British Technical University (KBTU)**, School of chemical Engineering, Almaty, **Kazakhstan**.
<https://kbtu.edu.kz/en/chi-our-team>.

- Undergraduate and post-graduate teaching:
- Courses: Technology of fine organics synthesis; Modern Chemistry and Engineering of Polymer; Chemistry I, Chemistry II; Technology of Polymer Production & Processing Specialization; Industrial catalysis and Chemistry of Oil & Gas; Chemical process in corrosion; Anti-corrosion coating for materials; Fundamental of materials.
- Established advanced materials laboratory at KBTU.
- Established startup company (Elbatyr) : produce biodegradable plastic bags (3 tons bags/ month).
- Established startup company (Warda Star): Produce coating for concrete, asphalt and metal. <https://wardastar.kz> : Produce coating (25 tons/ month)
- Established startup company (Faten Star): Produce liquid hand soap and liquid dish soap. <https://www.faten-star.com>
- Supervisor 8 PhD and 7 MSc students

20/04/2022 – 31/08/2025: Professor at Petroleum Engineering Department, **Satbayev University**, Almaty, Kazakhstan. <https://official.satbayev.university/en/teachers/negim-el-sayed>

- Undergraduate and post-graduate teaching:
- Courses: Advanced drilling liquids; Enhanced oil recovery; Research seminar for oil and gas; Offshore fields development.
- Startup company (**Elcos Markting**) to produce **epoxy resins** fully funded by Kazakh Science Foundation (25/11/2022-31/12/2024). <https://epoxyresin.satu.kz>
- Supervisor 3 PhD, 6 BSc, 3 MSc students

01/02/2013 – 01/03/2015: Research fellow at Faculty of Science and Engineering **University of Wolverhampton, UK**. **Project entitled** “Production of Sustainable Self Compacting Concrete” (ProSec) fully funded by Marie Curie Foundation.

- Published several articles in the international journals and conferences.
- Supervisor 5 Bachelor Diploma students.
- Collaboration between **Wolverhampton University** and different **universities in Kazakhstan** (MOU already done).
- Supervisor internship Kazakh students (PhD, MSc and BSc) at Faculty of Science and Engineering, **Wolverhampton University, UK**.
- Monitor international Workshop on UK Research Collaboration with Kazakhstan (Utilization and Treatment of Wastes Arising from Mining Activities, Oils and other Industries), 27-31 January 2015, Almaty, Kazakhstan (fully funded by British Council Kazakhstan).

23/02/2010 – 23/10/2012: Visiting Researcher at the School of Chemical Sciences, **Universiti Sains Malaysia (USM), Penang, Malaysia.**

- Published several articles in the international journals and conferences.
- Supervisor 1 PhD, 2 MSc and 2 Bachelor Diploma students.
- Collaboration between **USM** and different **universities in Kazakhstan** (MOU already done).
- Supervisor internship Kazakh students (PhD, MSc and BSc) at School of Chemical Science, USM, Malaysia.
- Monitor International conference between USM and Al-Farabi Kazakh National University (KAZNU). 1st USM – KAZNU International Conference on: “Challenges of teaching and chemistry research in institutions of higher learning” 11 – 13th July **2012** Penang, Malaysia.

21/02/2007 – 31/12/2009: Researcher at **Polytechnic University, South Korea** and Researcher at R&D center, Jindo Chemical Co., Ltd, South Korea.

- Producing new paint and coating products.
- Modify the old products in the company.
- Published 7 Korean patents
- Supervisor International project fully funded by Korean government between **Jindo chemical company** and **Al-Farabi Kazakh National University, Kazakhstan.**

10/01/2006-31/01/2007: Researcher at National Research Centre, Cairo, Egypt, published a couple of articles in the International Journals and Conferences.

3/11/2001-31/12/2005: PhD scholarship at Al-Farabi Kazakh National University, Almaty, Kazakhstan, published a couple of articles in the International Journals and Conferences.

21/09/1992-31/10/2000: Assistant of researcher at National Research Centre (NRC), Polymers & Pigments Department, El-Behoos St., Dokki 12311 – Cairo – **Egypt**, published a couple of articles in the International Journals and Conferences.

2. Educations:

03/11/2001 – 26/04/2006: PhD. Polymer Chemistry, Faculty of Science- Al-Farabi Kazakh National University, Almaty – Kazakhstan. Thesis title “Synthesis of novel hydrophilic copolymers and its application as modifying chemical admixtures to cement”.

02/09/1996-13/5/1998: MSc. Organic Chemistry, Faculty of Science, Zagazig University, Egypt. Thesis title “Preparation of non-ionic surfactants for emulsion polymerization of some vinyl monomers”

01/09/1987 – 28/5/1992: BSc. of Chemistry, Faculty of Science, Zagazig University, Egypt (5 years course).

3. Publications (Articles):

1. Ayoub M.M.H, El-Awady M.M., and Nasr H.E., and **Negim S.M.** Synthesis and Rheological Properties of Some Styrene/Methacrylate Copolymer Lattices. J. Polymer-Plastics Technology and Engineering, 42(5): 863-881, **2003**.
2. Ayoub M.M.H, Nasr H.E., Darweesh M.H.H. and **Negim S.M.** Synthesis, Characterization and Cement Application of Vinyl Acetate Water-Soluble Graft Polymers. J. Polymer-Plastics Technology and Engineering, 44(2): 305-319, **2005**.

3. **Negim S. M.**, M. M. H. Ayoub, G. M. Enany and G. A. Mun. Synthesis and Characterization of Styrene Copolymer Lattices and its Application in Cement. *Eurasian ChemTech Journal*, 8(3): 243-252, **2006**.
4. Ayoub, MMH, Darweesh HHM, **Negim S.M.**, Utilization of hydrophilic copolymers as superplasticizers for cement pastes, *Cemento Hormigón*, 910: 4-15, **2008**.
5. **El-Sayed Negim**, Mahyuddin Ramli, Saber E. Mansour, Bahruddin Saad, and Muhammad Idris Saleh. Utilization of hydrophilic copolymers as superplasticizers for cement pastes Part I: Poly[acrylic acid-co-styrene]. *Middle East Journal of Scientific Research*, 6(2): 99-107, **2010**.
6. **El-Sayed Negim**, Mahyuddin Ramli, Saber E. Mansour, Bahruddin Saad, and Muhammad Idris. Synthesis, Characterization, and Cement Application of maleic anhydride water-soluble grafted polymer. *J. World Applied Science*, 10(4): 443-450, **2010**.
7. Saber E. Mansour, Osama Amine Desouky, Ibrahim A. Ibrahim, **El-Sayed Negim** and Muhammad Idris Saleh. Effect of firing on some physical properties of Ti₂O₃ doped ZnO. *World Journal of Chemistry*, 5(2): 77-86, **2010**.
8. Saber E. Mansour, Osama A. Desouky, Hamid Khatab, **El-Sayed Negim** and Muhammad Idris Saleh. Characterization of blended Portland cement with the Libyan steelmaking slag. *World Journal of Chemistry*, 5(2): 87-94, **2010**.
9. **El-Sayed Negim**, Jamal Khatib, Mahyuddin Ramli, Bahruddin Saad, Muhammad Idris Saleh. Synthesis and Characterization of Hydrophilic Copolymers as Superplasticizers for Cement Pastes. *J. World Applied Sciences*, 10(6): 685-694, **2010**.
10. Md. J. Uddin, **S. M. Negim**, M. A. A. Hamad, A. I. Md. Ismail. Similarity solution of MHD heat and mass transfer over a vertical permeable flat plate with variable concentration, chemical reaction and viscous dissipation. *J. World Applied Sciences*, 10(8): 899-910, **2010**.
11. Osama A. Desouky, Saber E. Mansour, **El-Sayed Negim**, Wan Ahmad Kamil. Microstructure and current-voltage characteristics of (ZnO – CuO) varistor system in the presence of additive oxides, Cr₂O₃, Bi₂O₃, and NiO. *Journal of Current Research in Chemistry*, 3(1): 29-48, **2011**.
12. **Negim, S.M.**; Bahruddin S.; Mahyuddin R.; Idris, M. S. Effect of TDI and FA- 703 on physico-mechanical properties of polyurethane dispersion. *J. Applied Polymer Science*, 121: 8-13, **2011**.
13. **El-Sayed Negim**, Mahyuddin Ramli, Bahruddin Saad, Lyazzat Bekbayeva Muhammad Idris Saleh. Preparation and characterization of water dispersion polyurethane. *J. World Applied Sciences*, 12(8): 1145- 1150, **2011**.
14. **El-Sayed Negim**; Mahyuddin Ramli; Bahruddin Saad, Lyazzat Bekbayeva; Muhammad Idris Saleh. Effects of Surfactants on the Properties of Styrene/Methacrylate –type Superplasticizer in Cement Paste. *J. Polymer-Plastics Technology and Engineering*, 50: 941 – 946, **2011**.
15. **El-Sayed Negim**, Lyazzat Bekbayeva, Grigoriy A. Mun, Zhalyrkasyn A. Abilov, Muhammad Idris Saleh. Effects of NCO/OH ratios on physico- mechanical properties of polyurethane dispersion. *World Applied Science Journal*, 14(13): 402-407, **2011**.
16. **El-Sayed Negim**, Mahyuddin Ramli, Jamal Khatib, Lyazzat Bekbayeva, Muhammad Idris Saleh. Effect of acrylate copolymers on the rheological properties of cement pastes, part II. *Middle East Journal of Scientific Research*, 9(1): 08 – 16, **2011**.
17. J M Khatib, A Shaaban, **S. M. Negim**, S Kenai. The Capillarity of Self- Compacting Concrete Incorporating Fly Ash. *Journal of Concrete Plant International*, South African Journal for the Concrete Industry, **2011**, pp54- 60, Issue 6 (December), ISSN 1437-9023, www.cpi-worldwide.net.
18. Ibragim E. Suleimenov, Grigoriy A. Mun, Pavel E. Grigoriev, **El-Sayed Moussa Negim**, Gulzhakhan Zh. Yeligbayeva and Kamilya I. Suleimenova. Higher Education and Science: Portrait Against the Background of Global Crisis. *World Applied Sciences Journal*, 15 (9): 1199-1205, **2011**.
19. J. M. Khatib, **S. Negim**, M. Tarek Uddin. New Generation Water-Reducing Admixture for Concrete. *The Masterbuilder – Construction Chemicals*, January **2012**, 14 (1): 142 – 149. www.Masterbuilder.co.in.

20. J. M. Khatib, S. Baig, A. Bougara, **E. S. Negim**, S Kenai. Utilization of Foundry Sand in Concrete Production. The Masterbuilder – Construction Chemicals, January **2012**, 14 (1): 244 – 246. www.Masterbuilder.co.in.
21. Mazratul Adzfifi Abdul Rashid, Bahruddin Saad, **El-Sayed Negim**, Muhammad Idris Saleh. Photoluminescence studies on Dy(III)- Dibenzoylmethane Ternary Complexes with 1, 10-Phenanthroline Derivatives. World Applied Sciences Journal 17(8): 958-963, **2012**.
22. Mun G.A., Suleymenov I.Y., Bakytbekov R.B., **Negim E. S. M.**, Semenyakin N.V., Shaltykova D.B. Prospects of using osmotic phenomena in solutions of thermosensitive polymers to improve the efficiency of internal combustion engines. World Applied Sciences Journal 17(11): 1504-1509, **2012**.
23. **El-Sayed Negim**, Jamal Khatib, Khalid Al Mutairi, Rakhmetullayeva Raikhan and Mun A. Grigoriy. The effect of molar ratios of the monomers on the physic-mechanical properties of ordinary Portland cement. Middle- East Journal of Scientific Research, 11(8): 1131-1139, **2012**.
24. J.M. Khatib, L. Wright, P.S. Mangat and **E.M. Negim**. Porosity and Pore Size Distribution of Well Hydrated Cement-Fly Ash-Gypsum Pastes. American- Eurasian Journal of Scientific Research, 7(4): 142-145, **2012**.
25. H.H.M. Darweesh, M.M.S. Wahsh and **E.M. Negim**. Densification and Thermomechanical Properties of Conventional Ceramic Composites Containing Two Different Industrial By products. American-Eurasian Journal of Scientific Research, 7(3): 123-130, **2012**.
26. **El-Sayed Negim**, Jamal Khatib, Mohammed Muhanna Mohammed and Syrmanova Kulash Kerimbaevna. The Effect of Molar Ratios of the Monomers on the Physico-Mechanical Properties of Portland Cement Mortar. World Applied Sciences Journal, 19(6): 832-837, **2012**.
27. J.M. Khatib, S. Shariff and **E.M. Negim**. Effect of Incorporating Foamed Glass on the Flexural Behaviour of Reinforced Concrete Beams. World Applied Sciences Journal, 19(1): 47-51, **2012**.
28. J.M. Khatib, **E.M. Negim**, H.S. Sohl and N. Chileshe. Glass Powder Utilization in Concrete Production. European Journal of Applied Sciences, 4(3): 98-100, **2012**.
29. U. Nakan, R.K. Rahmetullaeva, G.A. Mun, E.M. Shaihutdinov, A.K. Toktabaeva **El-Sayed Negim**, Muhammad Idris Saleh. Synthesis and characterization of hydrophilic copolymers. International Journal of Biology and Chemistry, 3: 58-62, **2012**.
30. S.N. Rahadilova, Z.K. Zhatkanbaeva, G.A. Mun, E.M. Shaikhutdinov, Khaldun M. Al Azzam, **El-Sayed Negim**. The processes of complex formation on interphase boundary butanol/water with participation of vinyl butyl ether – maleic anhydride copolymer and polydimethyl aminoethyl methacrylate. International Journal of Biology and Chemistry, 3: 54-57, **2012**.
31. J.M. Khatib, **E. M. Negim**, E. Gjonbalaj. High Volume Metakaolin as Cement Replacement in Mortar. World Journal of Chemistry, 7(1): 07-10, **2012**.
32. B.A. Herki, J.M. Khatib and **E.S.M. Negim**. Lightweight Concrete Made from Waste Polystyrene and Fly Ash. World Applied Sciences Journal, 21(9): 1356-1360, **2013**.
33. G.A. Mun, **E.S.M. Negim**, D.B. Shaltykova, I.T. Park, I.E. Suleymenov. The Irrational: A View from the Standpoint of Noospherology. World Applied Sciences Journal, 22(10): 1420-1425, **2013**.
34. S.V. Panchenko, P.V. Obuhova, K. S. Chezhimbaeva, A.M. Tsoi, A.A. Shaikhudinova, G. A. Eligbaeva, **E.S.M. Negim**, M. Dolayev. Prospects of Using Waves of Suleimenov-Mun in “Green” Energetics. World Applied Sciences Journal, 22(10): 1460-1464, **2013**.
35. Kulash Syrmanova, Tynlybek Bazhirov, Sergei Myasnikov, Maral Yessirkepova and **El-Sayed Negim**. Efficiency of Extracting Bitumen from Bituminous Sand and Phase Boundary Phenomena in Sharable Heterogeneous System. World Applied Sciences Journal, 22(11): 1613-1618, **2013**.
36. **E.S.M. Negim**, J.M. Khatib, G.Zh. Yeligbayeva, R. Rakhmetullayeva, P.I. Urkimbaeva, M. Sakhy, S. Shilibekov, G.A. Mun. Synthesis, characterization and application of hydrophilic copolymers on physico-mechanical properties of cement pastes. World Applied Sciences Journal, 25(7): 1044-1052, **2013**.
37. **El-Sayed Negim**, Jamal M. Khatib and Nurlan O. Inkarebekov. Effect of Acrylate Copolymers on the Rheological Properties of Portland Cement Mortar Pastes, Part III. World Applied Sciences Journal, 23(4): 549-553, **2013**.

38. I.E. Suleimenov, O. Gabrielyan, D. Shaltykova, **E.S.M. Negim**, P. Obukhova, S.K. Suleymenova. Current Global Crisis as a Crisis of Civilization Meta-Projects. World Applied Sciences Journal, 23(11): 1455-1464, **2013**.
39. **E.S.M. Negim**, J.M. Khatib, E. Faizova, S. Shilibekov and S. Mussylmanbek. The Effect of Diamine Extender on the Properties of Polyurethane Dispersions. Middle-East Journal of Scientific Research, 16(7): 890-895, **2013**.
40. A.A. Shaikhudinova, G.S. Irmukhametova, G.Zh. Yeligbayeva, **E.S.M. Negim**, B.B. Yermukhambetova, G.A. Mun. Effect of electric field on complex formation of polyacrylic acid hydrogel and linear copolymers of 2- hydroxyethylacrylate and methylacrylate. World Applied Sciences Journal, 26(3): 389-392, **2013**.
41. Mansour, S.E., **E.S.M. Negim**, I.H. Hasieb, M.M. Asfor, A.S. Kozhamzharova, Z.I. Sabiralieva. Removal of pyrogallol from drinking water by alternating current electrocoagulation technique. World Appl. Sci. J., 23(5): 664-669, **2013**.
42. Saber E. Mansour, Osama A. Desouky, **El-Sayed Negim**, G. Irmukhametova and R.A. Mangazbayeva. Microstructure and Current-Voltage Characteristics of Vanadium-Doped Zinc Oxide-Based Varistors. World Applied Sciences Journal, 26(11): 1428-1433, **2013**.
43. Saber E. Mansour, Osama A. Desouky, **El-Sayed Negim**, Adel M. Najar, A.A. Shaikhudinova and G. Zh. Yeligbayeva. Characterization of Ba(Zr-Ti)O₂ Semiconductors Prepared by Solid State Process. American-Eurasian Journal of Scientific Research, 8(3): 144-151, **2013**.
44. Saber E. Mansour, **El-Sayed Negim**, Ibrahim H. Hasieb, Osama A. Desouky, R. Abdykalykova and M. Beisebekov. Removal of Cadmium pollutants in Drinking Water Using Alternating Current Electrocoagulation Technique. Global Journal of Environmental Research, 7(3): 45-51, **2013**.
45. Osama A. Desouky, Saber E. Mansour, **El-Sayed Negim**, G.Z.H. Yeligbayeva and G.A. Mun. Influence of Bi₂O₃ and TiO₂ Doping on Microstructural and Electrical Properties of ZnO-MnO₂-Co₃O₄ -Based Varistor. Middle-East Journal of Scientific Research, 17(8): 1002-1007, **2013**.
46. Saber E. Mansour, Osama A. Desouky, Adel M. Najar, **El-Sayed Negim**, M. Sakhy and G.A. Mun. Effect of Temperature on the Characteristics of Zinc Oxide with Cerium Oxide at Constant Frequency (20 kHz). European Journal of Applied Sciences, 5(3): 100-106, **2013**.
47. Osama A. Desouky, Saber E. Mansour, **El-Sayed Negim**, Adel M. Najar, Abetayeva Saltanat and U. Nakan. Thermal Behaviour and Microstructure of Blended Portland cement with Libyan Steelmaking Slag. European Journal of Applied Sciences, 5(4): 118-126, **2013**.
48. Osama A. Desouky, Saber E. Mansour, **El-Sayed M. Negim**, Adel M. Najar, R. Rakhmetullayeva, P.I. Urkimbaeva. Effect of MnO₂ on Electrical Properties of ZnO-V₂O₅-Based Varistors. World Journal of Chemistry, 8(2): 33-37, **2013**.
49. **E.S.M. Negim**, Zh.A. Nurpeissova, R.A. Mangazbayeva, J.M. Khatib, C. Williams, G.A. Mun. Effect of pH on the physic-mechanical properties and miscibility of methyl cellulose/poly(acrylic acid) blends. Carbohydrate Polymers, 101: 415 – 422, **2014**.
50. U. Nakan, R.K. Rakhmetullayeva, P.I. Urkimbaeva, E.M. Shaikhutdinov, G.A. Mun, G. Zh. Yeligbayeva and **E.S.M. Negim**. The effect of Nanoparticle silver on thermal stability of N-isopropylacrylamide (NIPAAm). World Applied Sciences Journal, 29(3): 359-364, **2014**.
51. **El-Sayed Negim**, J.M. Khatib, M. Sakhy, S. Shilibekov, N. Shanshabayev and B. Jakiyayev. The Effect of pH on Physico-Mechanical Properties of Cement Pastes Containing Poly (Acrylate) Latexes –Chemical Admixtures. World Applied Sciences Journal, 29(6): 796-804, **2014**.
52. J. M. Khatib, **E.M. Negim**, G.Zh. Yeligbayeva and G. A. Mun. Strength characteristics of mortar containing high volume metakaolin as cement replacement. Research and Reviews in Materials Science and Chemistry, 3(1): 85-95, **2014**.
53. **Negim E.S.M.**, Rakhmetullayeva R.K., Yeligbayeva G.Zh., Urkimbaeva P.I., Primzharova S.T., Kaldybekov D.B., Khatib J.M., Mun G. A., Craig W. Improving biodegradability of polyvinyl alcohol/starch blend films for packaging applications. International Journal of Basic and Applied Sciences, 3(3): 263-273, **2014**.
54. **El-Sayed Negim**, Latipa Kozhamzharova, Yeligbayeva Gulzhakhan, Jamal Khatib, Lyazzat Bekbayeva, and Craig Williams. Effect of Copolymer Latexes on Physicomechanical Properties of

- Mortar Containing High Volume Fly Ash as a Replacement Material of Cement, The Scientific World Journal, 2014: 1-11, **2014**.
55. **El-Sayed Negim**, Latipa Kozhamzharova, Jamal Khatib, Lyazzat Bekbayeva, and Craig Williams Effects of Surfactants on the Properties of Mortar Containing Styrene/Methacrylate Superplasticizer. The Scientific World Journal, 2014: 1-10, **2014**.
 56. **Negim E.S.M**, Aisha A.M.B., Yessimkanova U., Kurmanbekova A., Tyazhina K., Urkimbaeva P.I., Rakhmetullayeva R.K., Shatabayeva E., Irmukhametova G., Mun G.A., Yeligbayeva G.Zh., Khatib J.M. The effect of terpolymer admixtures on physico-mechanical properties of cement pastes International Journal of Basic and Applied Sciences, 4(1): 10-18, **2015**.
 57. **El-Sayed Negim**, Lyazzat Bekbayeva, Laura Jumabayeva, Azhar Bakyt, Aigul Imandossova, Assel Zhanybekova, Shynar Yegizbayeva, Zhanerke Karimzhanova, Datkhayev Ubaidilla, Misni Surif. Studying physico-mechanical properties of maleic acid grafted chitosan with metal as slow release fertilizers. International Journal of Basic and Applied Sciences, 4(1): 89-94, **2015**.
 58. **Negim E.S.M**, Yeligbayeva G.Zh., Niyazbekova R., Rakhmetullayeva R., Mamutova A.A., Iskakov R., Sakhy M., Mun G.A. Studying physico-mechanical properties of cement pastes in presences of blend polymer as chemical admixtures. International Journal of Basic and Applied Sciences, 4(3): 297-302, **2015**.
 59. Khalil ES, Saad B, **Negim E.S.M.**, Saleh MI. Novel water-soluble chitosan derivative prepared by graft polymerization of dicyandiamide: synthesis, characterization and its antibacterial property. Journal of Polymer Research, 22(6): 1-12, **2015**.
 60. Aisha Nurlybayeva, Mussylmanbek Sakhy, **El-Sayed Negim**, Ergali Rustem And Assem Shinibekova. Synthesis and research of copolymers on the basis of methyl methacrylate and their application in paint and varnish coverings. Int. J. Chem. Sci., 13(2): 922-934, **2015**.
 61. Lyazzat Bekbayeva, Misni Surif, **El-Sayed Negim**, Kenzhaliev Bagdaulet, Muhammad Idiris Saleh. Effect of liquid seaweed extract on growth and chemical composition of tomato (*lycopersicon esculentum* mill). Sylwan, 159(11): 43-63, **2015**.
 62. P.I. Urkimbaeva, U.M. Yessimkanova, R.K. Rakhmetullayeva, Zh.R. Urkimbaeva, A.K.Toktabayeva, **El-Sayed Negim**, G.A. Mun. Physical-Chemical Analysis of MC-co-PAAm and Application. Journal of Engineering and Applied Sciences, 10(7): 197-202, **2015**.
 63. R.K. Rakhmetullayeva, U Nakan, A.K. Kurmanbekova, A.A. Mamutova, A.K. Toktabaeva, **E.S.M. Negim**, M.E. Nursultanov. The new hybrid copolymers based on N-isopropylacrylamide. Full Paper Proceeding MISG-2015, 1: 75-85, **2015**.
 64. K Syrmanova, **E Negim**, J Kaldybekova, M Suleimenova, Sh Baizhanova. Study of modification process of the epoxylitane composites. Industrial Technology and Engineering, 3: 75-83, **2015**.
 65. C. Egenti, J.M. Khatib, **E. Negim**. Performance of Compressed Earth Brick in Comparison with the Prevailing Sand-Cement Wall Construction in Nigeria. International Journal of Engineering Research and Reviews, 3(4): 37-41, **2015**.
 66. **Negim E.S.M.**, Nurlybayeva A., Irmukhametova G.S., Makhatova A., Basharimova A., Serikkali A., Sakhy M., Iskakov R., Mun G.A. Effect of methyl methacrylate and butyl methacrylate copolymer on the physico-mechanical properties of Acryl syrup paints. International Journal of Biology and Chemistry, 8(2): 60-65, **2015**.
 67. **El-Sayed Negim**, Nurlybayeva Aisha, Grigoriy A. Mun, Rinat Iskakov, Galiya S. Irmukhametova, Mussylmanbek Sakhy. Preparation and Characterization of Acrylic Primer for Concrete Substrate Application. International Journal of Polymer Science, 2016: 1-9, **2016**.
 68. **El-Sayed Negim**, Ketegenov Tlek, Alibek Narimanov, Medet Zhangaliyev, Hadicha Rafikova, Irmukhametova Galiya, Rinat Iskakov, Mun Grigoriy. Development of polyurethane dispersion based on aromatic isocyanat: influence of NCO/OH ratio on physico-mechanical properties of PUD. International Journal of Biology and Chemistry, 9(1): 73-78, **2016**.
 69. K. Syrmanova, **E. Negim**, J. Kaldybekoekova, A.M. Tuleuov. Epoxylitane compositions modification with using thermoplastic polyurethane. Oriental Journal of Chemistry, 32(1): 1-7, **2016**.

70. U Nakan, R.K. Rahmetullaeva, G.A. Mun, E.M. Shaihtudinov, G. ZH. Yeligbaeva and **EL-Sayed Moussa Negim**. Linear Copolymer of N-isopropylacrylamide and 2-hydroxyethylacrylate: Synthesis, Characterization and Monomer Reactivity Ratios. *Oriental Journal of Chemistry*, 32(5): 2347-2354, **2016**.
71. **Negim E.S.M.**, Ketegenov T., Irmukhametova G.S., Sultanbekova I.N., Tastambekova T.N., Mun G.A. The effect of TDI, PTMG and DMPA on the physico-mechanical properties of polyurethane dispersion containing aromatic isocyanate. *International Journal of Biology and Chemistry*, 9(1): 68-72, **2016**.
72. A.K. Kovaleva, M.Zh. Burkeev, **E.-S.M. Negim**, Ye.M. Tazhbaev, T.S. Zhumagalieva, G.K. Burkeeva, Zh.A. Tolendi. Research of the radical copolymerization of polyethylene glycol maleate phthalate with methacrylic acid. *Bulletin of the University of Karaganda-Chemistry*, No 3(83): 22-27, **2016**.
73. **EL-Sayed Negim**, Niyazbekova Rimma, Lyazzat Bekbayeva, Utelbayeva Akmaral, Bengin M. Herki, Nursultanov Merey, Isakov Rinat, Gulzhakhan Yeligbayeva. Effect of Methyl cellulose/poly(acrylic acid) Blends on Physico-Mechanical Properties of Portland Cement Pastes. *Oriental Journal of Chemistry*, 33(1): 450-457, **2017**.
74. M.Zh. Burkeev, E.M. Tazhbaev, S.Zh.Davrenbekov, **E.M. Negim**, A.T. Kazhmuratova, T.O. Khamitova, L.T. Ibrayeva, G.E. Kozhabekova, Zh.K. Imanbekova, A.S. Shaahmetova. Simulation of the synthesis reaction conditions of organic compounds and the behavior of the polymer complex under these conditions. *Bulletin of the University of Karaganda-Chemistry*, No 3(87): 50-55, **2017**.
75. Darmenbayeva, A.S., Zharmagambetova, A.S., Auezkhanova, A.I., **El-Sayed Negim**. Synthesis and catalytic properties of supported polyacrylamide-stabilized Pd-Ag Catalysts. *News of the National Academy of Sciences of the Republic of Kazakhstan, Series Chemistry and Technology*, 6(426): 46 – 54, **2017**.
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Patents:

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4. Books, Research monographs, chapters:

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3. Syrmanova K.K., Sakibaeva S.A., **Negim E.S.** Polymer composite materials. ISBN 978-601-255-129-7. Textbook / Shymkent: Ed. “Alem”, **2013** - 188 P (Russian Language).
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5. International Conferences:

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2. **Negim S.M.**, Mun G.A., Nurkeeva Z.S. Synthesis of water soluble poly[acrylic acid-co-butylmethacrylate] and its application in cement admixtures. III International Symposium Physical and Chemistry of Carbon Materials/ Nanoengineering. – Almaty, Kazakhstan, 183-187, **2004**.
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6. **Negim S.M.**, Mun G.A., Nurkeeva Z.S. Influence of types of admixture on the morphology of cement hydrates. 7th international seminar «Scientific advances in Chemistry: heterocycles, catalysis and polymers as driving forces». Russia. – Ekaterinburg, P. 207, **2004**.
7. **Negim S.M.**, Mun G.A. Influence of types of admixture based on acrylic acid on the morphology of cement hydrates. II- International Conference «Results of Science and New Technology in XXI age». – Almaty, Kazakhstan, P. 111-112, **2004**.
8. **Negim S.M.**, Mun G.A., Nurkeeva Z.S. Influence of superplasticizers on properties of Portland cement pastes. II- International Conference «Results of Science and New Technology in XXI age». – Almaty, Kazakhstan, P. 112-113, **2004**.
9. **Negim S.M.**, Kim M.D., Mun G.A., Nurkeeva Z.S. Synthesis and characterization of amphiphilic poly [2-hydroxy ethyl acrylate-co-butyl acrylate] and its applications in cement admixtures. II- International Conference «Results Science and New Technology in XXI age». – Almaty, Kazakhstan, P. 111, **2004**.
10. **Negim S.M.**, Mun G.A., Nurkeeva Z.S. Influence of types of admixture on the morphology of hydrates. IV International Science- Practical Conference Young scientist. – Almaty, Kazakhstan, P. 48, **2004**.
11. **Negim S.M.** and Ayoub M.M.H. Synthesis of hydrophilic poly[2-hydroxy ethyl acrylate-co-vinyl butyl ether] and their application in cement admixtures. 1st International Conference of chemical industries research division under the theme of chemical industries: role and future aspects. National Research Center. – Egypt, Cairo, P. 15, **2004**.
12. **Negim S.M.**, Kim M.D. Mun G.A., Nurkeeva Z.S., Ayoub M.M.H and Darweesh H.H.M. Synthesis and characterization of new hydrophilic copolymer and their application as modifying additives to cement. 3rd International Symposium & Plasm Chemistry. – Almaty, Kazakhstan, P. 84-93, **2005**.
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14. **Negim S. M.**, Reziek N., Synthesis of water-soluble polyethylene glycol grafted with maleic anhydride and its applications in cement admixtures. Proceedings of KichE Full meeting “Theories and Applications of Chemical Engineering”, **Korea**, 26-27 October, 13(2):1281, **2007**.
15. **Negim S.M.**, M.M.H. Ayoub, Synthesis and evaluation of water-soluble polymer for applications in concrete, 4th Micro-symposium of PMM, Polymer colloids: from design to biomedical and industrial applications, institute of macromolecular chemistry academy of sciences of the Czech Republic, Prague, 20-24 July **2008**.
16. **Negim, S.M.**; Bahrudin S.; Ayoub, M. M. H. and Idiris, M. S. Synthesis and characterization of polyurethane dispersion. 4th International Conference of Chemical Industries Research Division. 30 Nov. – 2 Dec, **2010**, National Research Centre, Dokki, Cairo, **Egypt**.
17. **El-Sayed Negim**; Mahyuddin Ramli; Bahrudin Saad and Muhammad Idiris Saleh. Synthesis and Characterization of Hydrophilic Copolymer for Cement Pastes as Chemical Admixture. 4th International Conference on Built Environment in Developing Countries (ICBEDC 2010), Universiti Sains Malaysia 11800 Pulau Pinang, **Malaysia**, 01-02 December **2010**, pp. 978 – 990.
18. **El-Sayed Negim**, Mahyuddin Ramli, Jamal Khatib, Mohammed Muhanna Mohammed, Lyazzat Bekbayeva, Muhammad Idiris Saleh. Effect of hydrophilic copolymers on the physico-mechanical properties of Portland cement mortar. 5th International Conference on Built Environment in Developing Countries (ICBEDC 2011). Volume 1-ISBN No. 978-967-394-061-5. Penang, **Malaysia**, 06-07 December **2011**, 363- 370.
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20. J. M. Khatib, A Y Shaaban, Mahyuddin Ramli, **El-Sayed Negim**. Capillary water absorption of self-compacting concrete containing fly ash. 5th International Conference on Built Environment in Developing Countries. Volume 1- ISBN No. 978-967-394-061-5. **2011**, 539-549.
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 - 38. Saber E. Mansour, El-Sayed Negim**, Mohammed M. Asfor. Removal of Pyrogallol from Drinking Water by Alternating Current Electrocoagulation Technique. International Symposium (Modern challenges of higher education and science in the field of chemistry), Almaty, Kazakhstan, May 30-31, ISBN 978-601-04-0008-5, p. 397-400, **2013**.
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 - 40. E.S.M. Negim**, J. M. Khatib, K. K. Syrmanova, Sh. B. Baizhanova, N. E. Botabaev, A. M. Tuleuov. Effect of vinyl acetate water-soluble graft polymer on the rheological properties of Portland cement mortar. International Conference & Exhibition. (Application of Efficient & Renewable Energy Technologies in Low Cost Buildings and Construction. Ankara-Turkey, 16- 18 September **2013**, p. 42-48.
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 - 43. K.K. Syrmanova, El-Sayed Negim**, A.M. Tuleuov, G.Sh.Erkebayeva, A. Bitemirova. The development of composite polymer materials for anti- corrosion protection of oil and gas pipelines. International Conference & Exhibition. (Application of Efficient & Renewable Energy Technologies in Low Cost Buildings and Construction. Ankara-Turkey, 16-18 September **2013**, p. 498-501.
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45. Khatib J.M., Halliday C., **Negim E.S.M.**, Khatib S.M., Syrmanova K.K. Activation of Fly Ash-Metakaolin Paste Using Lime. International Scientific-Particle Conference. Development of Science, Education and Culture of Independent Kazakhstan in Conditions of Global challenges of Modernity. Shymkent, Kazakhstan, p. 127-131, October **2013**.
 46. J.M. Khatib, **E.S.M. Negim**, G. Yilmaz, K.K. Syrmanova, S. Shilibekov. Incorporation of Shredded waste plastic in cement stabilized rammed earth. International Scientific-Particle Conference. Development of Science, Education and Culture of Independent Kazakhstan in Conditions of Global challenges of Modernity. Shymkent, Kazakhstan, p. 226-229, October **2013**.
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57. **El-Sayed Negim**, Lyazzat Bekbayeva, Yeligbayeva G., Eshmaiel Ganjian, Jamal Khatib. Modification of molasses as novel superplasticizer for self-compacting concrete application. Books of works, International Scientific and Practical Conference. Architectonic Trends of the 21st Century. 1th of July **2017**, Almaty, Kazakhstan.
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59. Bekbayeva L., **El-Sayed Negim**, Yeligbayeva G., Eshmaiel Ganjian, E.M. Shaihutdinov. Synthesis, characterization of chemical admixture for cement paste. Materials of the International Scientific-Practical Conference “Modern trends of higher education and science in the field of chemical and biochemical engineering” Almaty, 18 September 13-14, **2018**, ISBN 978-601-04-3552-0, P. 80-87.
60. **El-Sayed Negim**, L. Bekbayeva, K. Omurbekova, Mohamad Nasir Mohamad Ibrahim. Effect of polyol on physico-mechanical properties of polyurea film. 6th International Conference on Environment, Universiti Sains Malaysia, Penang, Malaysia, 11-13 December **2018**.
61. Lisyukov D.O., **El-Sayed Negim**, Efremov S.A., Nechipurenko S.V., Irmukhametova G.S. producing sustainable unsaturated polyester for fiberglass application. 6th International Conference on Environment, Universiti Sains Malaysia, Penang, Malaysia, 11-13 December **2018**.
62. Myrzakhanov Maxat, **El-Sayed Negim**, Mohamad Nasir Mohamad Ibrahim. Synthesis and characterization of vinyl acrylate graft polymers. 6th International Conference on Environment, Universiti Sains Malaysia, Penang, Malaysia, 11-13 December **2018**.
63. Lyazzat Bekbayeva, **El-Sayed Negim**, Yeligbayeva Gulzhakhan, Eshmaiel Ganjian, Mun G.A. The effect of poly(chitosan grafted acrylic acid) as admixture on properties of mortar. International Conference “Modern Problems of Chemistry and Technology of Organic Substances and Materials” 5-6 October **2019**, al-Farabi Kazakh National University, Almaty, Kazakhstan.
64. Feruza Askarova, Hatidje Nasirova, El-Sayed Negim, Abdirashid Babadjanov. Green Technologies and Innovations for Sustainable Development. E3S Web of Conferences (CONGREENTAX-2024), 574 (02001): 1-9, 2024.

6. Organization of international conferences:

1. Organizing committee of the 6th International Conference on Polymer Science & Technology, 1-5 Sept., **2001**, Sharm El-Sheikh, **Egypt**.
2. Organizing committee of 2nd International Conference of Chemical Industries Research Division under the theme of “Chemical Industries: Role and Future Aspects”, 21-23 Nov. **2006**, NRC, Cairo-Egypt.
3. Organizing committee of 1st workshop of the Advanced Materials & Applied Nanotechnology Group (Nobel Project) under the theme of “Relevance between Advanced Materials and Nanotechnology”, 26-27 Nov. **2006**, NRC, Cairo- Egypt
4. Organizing committee of International conference “Problems and potential academic mobility: towards international and interdisciplinary cooperation”, 28 to 30 Nov. **2011**, University of Energy and Communications, Almaty, Kazakhstan.

5. Organizing committee of International scientific conference «AUEZOV READING – 11: «Kazakhstan on the way of social education: Innovative directions of research, education and culture», 6-7 December **2012** M. Auezov South Kazakhstan State University, Shymkent, Kazakhstan.
6. Organizing committee of 1st USM-KAZNU International Conference on “Challenges of Teaching and Chemistry Research in Institutions of Higher Learning” 11-13th July **2012**, School of Chemical Sciences, Penang-Malaysia.
7. Organizing committee of international symposium «modern challenges of higher education and science in the field of chemistry 29-31st May **2013**, Al-Farabi Kazakh National University, Almaty-Kazakhstan
8. Monitor international Workshop on UK Research Collaboration with Kazakhstan (Utilization and Treatment of Wastes Arising from Mining Activities, Oils and other Industries), 27-31 January **2015**, Almaty, Kazakhstan.
9. International advisory committee of IEEE Regional Symposium on Micro and Nanoelectronics, 21-23 August 2019, Putraiaya, Kuala Lumpur, Malaysia.
10. Plenary Speaker at International Conference on Fundamental and Applied Sciences, Universiti Teknologi PETRONAS, 13 – 15 July **2021**, Perak Darul Ridzuan, Malaysia.
11. Organization committee of “1st International Scientific Conference Green Taxonomy for Sustainable Development: From Green Technologies to Green Economy (CONGREENTAX-2024)” Jun 14-16, **2024**, Tashkent Institute of Irrigation and Agricultural Mechanization Engineers, National Research University, Tashkent, Uzbekistan.
12. Plenary Speaker at the Egyptian Society of Polymer Science and Technology (ESPST), in collaboration with the German University in Cairo (GUC), hosts the 14th Arab International Conference on Polymer Science and Technology September 7–9, **2024**, Cairo, Egypt.

7. Participation in industrial innovation

1. Producing unsaturated polyester resin as composite materials and established start-up company, Almaty, Kazakhstan (VASTE Company).
2. Producing special type of coating (self-cure coating at -30 °C, chemical and weather resistance) and established start-up company, Almaty, Kazakhstan (WARDA STAR) <https://wardastar.kz> .
3. Producing epoxy coating, waterproof, anticorrosion and self-leveling floor, <https://epoxyresin.satu.kz> .
4. Producing liquid soaps (Faten STAR), <https://www.faten-star.com>

8. Funding

1. Environmentally friend UV/EB curing acryl modified polyurethane paint, project between Jindo Chemical Co., LTD and Faculty of Science-Al-Farabi Kazakh National University, Almaty-**Kazakhstan** (10/01/**2008**-31/12/**2009**). Fully funded by Korean government (150.000 \$).
2. Synthesis and Application of Luminescence Compounds for the Production of flexible OLED, project, School of Chemical Science, USM, Malaysia (08/02/**2010**-07/02/**2011**). Fully funded by **Malaysian** government (100.000 \$).
3. Chemically Modified Cellulose as Novel Chemical Admixtures for the Construction Industry project, School of Chemical Science, USM, Malaysia (11/03/**2011**-15/10/**2012**). Fully funded by **Malaysian** government (100.000 \$).
4. Production of Sustainable Self Compacting Concrete” (ProSec), project, Faculty of Science and Engineering, Wolverhampton, UK (19/02/**2013**-31/03/**2015**). Fully funded by Marie Curie Foundation (280.000 GBP).
5. Producing sustainable unsaturated polyester resin (UPR), project between VASTE company and Al-Farabi Kazakh National University (04/09/**2017**-31/12/**2020**). Fully funded by Kazakh government (800,000 \$).

6. Creation of pilot production on the basis of the developed technology for the production of solvent-free acrylate paint, project between (08/10/2018-31/12/2021). Fully funded by Kazakh government (800,000 \$). <https://wardastar.kz>
7. Producing sustainable polyurea anticorrosion for metal, project, KBTU (13/09/2018-31/12/2020). Fully funded by Kazakh government (70,000 \$).
8. Creation of small-scale production of low-emission thermal insulation coating applied to glass mechanically fully funded by World Bank (66 million tenge) (2021-2022). <https://sunscutum.com>
9. Production of environmentally friendly epoxy resins for industrial applications. Fully funded by Kazakh government (900,000 \$) (2021-2024). <https://epoxyresin.satu.kz>
10. Development of high electrically conductive paint for corrosion prevention in concrete structures Fully funded by Kazakh government (200,000 \$) (2022-2025).

9. **Supervising and mentoring activities**

1. Supervisor 11 PhD and 10 MSc students.
2. Supervisor 2 projects fully funded by Kazakh government.
3. Editorial Board Member of Journal of Colloid Science and Biotechnology <http://www.aspbs.com/jcsb/>.
4. Editorial Board Member of Journal Complex Use of Mineral Resources, <http://kims-imio.kz/en/editorial-board/>
5. Editorial Broad member of SPE polymer Journal, <https://onlinelibrary.wiley.com/journal/26903857>
6. Reviewer in Journal of Reaction Kinetics, Mechanisms and Catalysis.
7. Reviewer in International Journal of Technology.
8. Reviewer in Oriental Journal of Chemistry