

Curriculum Vitae

Dr. Ali Elsayed Elrefaei

Department of Construction Engineering
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1. Personal Information

First Name / Sure Name: Ali Elrefaei
Date of Birth: 1/2/1981
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Gender: Male

2. Education

Title of Awarded Degree	Name of Organization Providing Education	Principle Subject	Dates	
			From	To
PhD in Civil Engineering	Moscow State University of Civil Engineering MFCY	Civil Engineering, Nano Building materials and Products	2012	2016
Thesis Title: INCREASING STRENGTH, WATER RESISTANCE AND FROST RESISTANCE OF HEAVY CONCRETE BY NANOMODIFICATORS				
MSc. in Civil Engineering	Faculty of Engineering, Tanta University	Civil engineering, Structural Engineering	2005	2008
Thesis Title: EFFECT OF SECTION PROPERTIES OF PLATE GIRDER ON ITS BEHAVIOR USING NON LINEAR ANALYSIS				
BSC in Civil Engineering	Faculty of Engineering, Tanta University	Structural Engineering	1998	2003

3. Professional Experience

Occupation	Name & Address of Employer	Main Activities & Responsibilities	Dates	
			From	To
Lecturer	Egyptian Russian University, Faculty of Engineering, Egypt	Teaching Concrete Technology, Design of steel structures and Structure Analysis	2016	Till now
Teaching Assistance	Izhevsk State Technical University, Izhevsk Russia	Teaching Concrete Technology, Design of steel structures and Structure Analysis	2013	2016
Structural Engineer	Factory of reinforced concrete products ". Izhevsk, Russia	quality control inspector	2013	2016

Teaching Assistance	Faculty of Engineering, Kafr El Sheikh, University, Egypt .	Teaching Design of steel structures and Structure Analysis	2008	2011
Demonstrator	Higher Institute for Engineering and Technology H.T.I 10 th of Ramadan City, Egypt .	Teaching Design of steel structures and Structure Analysis	2005	2008
Structural Engineer	Eamar Eldelta company, Tanta, Egypt	Design and Implementation of workshop drawings	2005	2011
Soldier-Engineer	Engineering department, Egyptian Air Force, Egyptian army	Design and Implementation of workshop drawings	2003	2005

4. Discipline

General Discipline	Construction Engineering	Principle Subject	Nano Materials/Steel
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5. Teaching Experience

Course Title	Course Code	University	Academic Years
Design of steel structures, Structural analysis, Engineering drawing (Continuous Education for Civil Engineering)	--	Higher Institute for Engineering and Technology H.T.I 10 th of Ramadan City, Egypt	2005-2008
Design of steel structures, Concrete	--	Faculty of Engineering, Kafr- El Sheikh, University, Egypt .	2008-2011
Concrete Technology, Civil Drawing and steel structures design		Izhevsk State Technical University, Izhevsk Russia	2012-2016
Concrete Technology, Design of steel bridges and structures and structural analysis	CE203/ CE490 / CE440	Faculty of Engineering, Egyptian Russian University, Egypt	2016- till now

6. Professional & Technical Skills

- **Computer Skills:**
 - Good knowledge and command of the most common desktop applications.
 - Operating system: Windows
 - AutoCAD: 2D and 3D
 - Finite element program: ABAQUS
 - Programming Languages: Visual BASIC
 - Programming structures analysis: SAP
 - Microsoft Office: WORD, EXCEL and P OWER POINT.

- **Languages:**
 - Excellent at **Russian**.
 - Very good at **English**.
 - Good at **French**.
 - **Arabic** is the mother tongue.

7. Personal Skills

Computer Skills	Self Assessment		
	Excellent	Good	Fair
Desk top applications	✓		
Language Skills	Self Assessment		
	Excellent	Good	Fair
Russian	✓		
English	✓		
French			✓
Arabic	✓		
Other Skills			
Communication skills	✓		
Work in Team	✓		

8. Scientific Activities

Publications:

1. Khozin V.G., Nizamov R.K., Starovoitova I.A., Zykova E.S., Ayupov D.A., **Elrefai A.E.M.M.** Anomalous effects of changes in the viscosity of epoxy resins and the plasticity of bitumen when introducing carbon nano-tubes. *Stroitel'nye Materialy [Construction Materials]*. 2019. No. 1–2, pp. 11–15. DOI: <https://doi.org/10.31659/0585-430X-2019-767-1-2-11-15> (In Russian).
2. Yakovlev G., Drochytka R., Pervushin G., Graknnov V., Saidova Z., Gordina A., Shaybadullina A., Pudov I., **Elrefaei A.**, Fine-Grain Concrete Modified With a Suspension of Chrysotil Hanofiber// *Journal: "Construction Materials"*. – 2019. – No 1-2. – pp. 4–10.
3. Yakovlev G., Pervushin G., Shaybadullina A., Gintchitskaya Yu., **Ali Elrfay Elsayed**, Saidova Z. Reduction of efflorescence on the surface of the brickwork by modifying the masonry and the structure of ceramic bricks // *Сборник трудов 20 Internationale Baustofftagung, 12-14 september 2018 – Weimar:Bauhaus. – Band 2, 2018 – P. 977-982.*
4. Yakovlev G.I., Tulegenova A.V., Pervushin G.N., Keriene J., Gordina A.F., Bazhenov K.A., **Ali Elsayed Elrefaei** Multifunctional admixture used for activating fluoroanhydrite // *Сборник трудов 20 Internationale Baustofftagung, 12-14 september 2018 – Weimar:Bauhaus. – Band 2, 2018 – P. 559-568.*

5. Yakovlev, G.I. Effect of dispersions of technical carbon on properties of fin concrete/ A.F. Gordina, S.V. Nikitina, A.V. Shaibadullina, Z.S. Saidova, **A.E.M.M. Elefaei**// Stroitelnye Materialy. -2018. – No. 8, pp. 89-92
6. **A.E.M.M. Elefaei** Combining additives of various genesis for enhancing modification of concrete / I.A. Pudov, G.I. Yakovlev, S.A. Senkov, A.F. Buryanov// Журнал: "Строительные материалы". – 2017. – № 1-2. – pp. 26–30.
7. Gintautas S.,Yakovlev G., Karpova E., Elsaed Mohamed A., Change with Time in Rheological Properties of Nano-Modified Cement Systems//Industrial and Civil Engineering. 2017. No. 2, pp. 43–50.
8. *Карпова, Е.А.* Модификация цементного бетона комплексными добавками на основе эфиров поликарбоксилата, углеродных нанотрубок и микрокремнезема / Е.А. Карпова, **А.Э.М.М. Эльрефаи**, Г. Скрипкюнас, Я. Керене, А. Кичайте, Г.И. Яковлев, М. Мацяускас, И.А. Пудов, Э.В. Алиев, С.А. Сеньков // Журнал: "Строительные материалы". – 2015. - №2. – С. 40–48.
9. *Яковлев, Г.И.* Бетон повышенной долговечности для производства опор линий электропередач / Г.И. Яковлев, Г.Н. Первушин, И.С. Полянских, С.А. Сеньков, И.А. Пудов, **А.Э.М.М. Эльрефаи** // Журнал: "Строительные материалы". – 2014. – №5. – С. 1–3.
10. *Хрусталёв, Б.М.* Дисперсии многослойных углеродных в строительном материаловедении / Б.М. Хрусталёв, С.Н. Леонович, Б.А. Якимович, Г.И. Яковлев, Г.Н. Первушин, И.С. Полянских, И.А. Пудов, Д.Р. Хазеев, А.В. Шайбадуллина, А.Ф. Гордина, **А.Э.М.М. Эльрефаи**, Я. Керене // Наука и техника. – Минск. - 2014. - №1. - С. 44 – 52
11. *Яковлев, Г.И.* Улучшение физико-механических характеристик наноструктурированием цементной матрицы / Г.И. Яковлев, И.С. Полянских, Е.А. Карпова, **А.Э.М.М. Эльрефаи**, Я. Керене, Р. Борис // Материалы VIII Академических чтений РААСН - Международной научно-технической конференции: Механика разрушения строительных материалов и конструкций. – Казань: КГАСУ. – 2014. – С. 379–384.
12. *Яковлев Г.И.* Влияние многослойных углеродных нанотрубок на модуль упругости и микротвердость цементной матрицы / Г.И. Яковлев, Г.Н. Первушин, И.А. Пудов, Джозеф Эберхардштайнер, Олаф Лахайн, **А.Э.М.М. Эльрефаи**, С.Н. Леонович // Современные проблемы строительства и жизнеобеспечения: безопасность, качество, энерго- и ресурсосбережение. Сборник материалов III Всероссийской научно-практической конференции.– Якутск: СВФУ имени М.К. Аммосова. – 2014. [Электронный ресурс] – С. 387-393.
13. A. Gordina. Evaluation of the Influence of Ultradisperse Dust and Carbon Nanostructures on the Structure and Properties of Gypsum Binders/ Y.Tokarev, G.Yakovlev, J.Keriene, S.Sychugov, **A.E.M. Elefaei**// 11th International Conference on Modern Building Materials, Structures and Techniques, MBMST. 57 (2013) 334 – 342
14. *Yakovlev, G.I.* Modification of cement concrete by dispersion of multilayer carbon nanotubes / G.I. Yakovlev, G.N. Pervushin, I.A. Pudov, I.G. Dulesova, **A.E.M.M. Alrfay** // Proceedings of the IV International Conference "Nanotechnology for green and sustainable construction". –Cairo, 2012. – P. 6–15.

15. M.A. Dabaon. Effect of Width-to-Thickness Ratio of Tension Flange on The Behavior of Steel Plate Girders/ S.S. Sakla, **A.E.M. Elrefaei**// Proceedings of the 13th International Conference on Structural and Geotechnical Engineering, Ain Shams University –Cairo, 2009.

8- CONFERENCES

- The 13th International Conference on Structural and Geotechnical Engineering, Ain Shams University –Cairo, Egypt, 2009.
- Modern trends and directions in the field of construction and heat engineering. Izhevsk State Technical university, Izhevsk, Russian, 2013.
- The 7th International Conference "Nanotechnology for green and sustainable construction". – Sharm El Sheikh, Egypt, 2015.
- The 9th International Conference "Nanotechnology for green and sustainable construction". – Sharm El Sheikh, Egypt, 2017.
- The 10th International Conference "Nanotechnology for green and sustainable construction". – Sharm El Sheikh, Egypt, 2018.
- Nanotechnology for sustainable active packaging: Synthesis, characterization & Applications. National research center, Cairo, June 25th, 2018.

9- LIST OF UNDERGRADUATE COURSES OFFERED

- | | |
|---|--|
| ▪ <i>Engineering Drawing and Graphics</i> | ▪ <i>Design of Steel Structures II</i> |
| ▪ <i>Engineering Mechanics (Statics & Dynamics)</i> | ▪ <i>Design of Steel Bridges</i> |
| ▪ <i>Structural Analysis I</i> | ▪ <i>Properties of Materials I</i> |
| ▪ <i>Structural Analysis II</i> | ▪ <i>Properties of Materials II</i> |
| ▪ <i>Structural Analysis III</i> | ▪ <i>Design of Concrete structures I</i> |
| ▪ <i>Structural Analysis IV</i> | ▪ <i>Design of Concrete structures II</i> |
| ▪ <i>Design of Steel Structures I</i> | ▪ <i>Design of Concrete structures III</i> |
| | ▪ <i>Concrete Technology</i> |

References

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