

Curriculum Vitae

of

Dr. Amira Ahmed Ali Elkawas

Curriculum Vitae

PERSONAL INFORMATION:

Name: First: Amira Middle: Ahmed Surname: Elkawas.

Date of birth: Day: 29 Month: 9 Year: 1992.

Nationality: Egyptian.

Marital Status: Married.

Address: Egypt.

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Present Position: Assistant lecturer at the high institute of engineering and technology, Tanta, Egypt.

EDUCATIONAL BACKGROUND:

2021 Phd Degree in Structural Engineering (Steel structures), Faculty of Engineering, Tanta University, Tanta, Egypt.

Thesis title: *Behavior of Plate Girders with Corrugated Steel Webs Subjected to Lateral-Torsional Buckling*

2016 Master Degree in Structural Engineering (Steel structures), Faculty of Engineering, Tanta University, Tanta, Egypt.

Thesis title: *Shear Behavior of Tapered Plate Girders with Corrugated Webs*

2014 Bachelor Degree of Civil Engineering (Honor Degree), Faculty of Engineering, Tanta University, Tanta, Egypt.

Undergraduate project: *Structural analysis.*

LANGUAGE AND COMPUTER SKILLS:

Arabic and English: Advanced.

Computer skills: Using the following softwares:

Office 2016, Sap 2000, Autocad, ABAQUS

Hobbies:

Reading stories.

PAST EXPERIENCE:

i) Teaching and Research

Month 4 Year 1 (**Full-time**): (25/9/2015: up till now)

Educational experience as: Demonstrator and assistant lecturer, high institute of engineering and technology, Tanta, Egypt.

Duties: Teaching the sections of Steel Structures, *Soil Mechanics*, *Foundation*, *Concrete* and *Material*.

LIST OF PUBLICATIONS:

Papers Published in Refereed International Journals

- [1] **Elkawas, A.A.**, Hassanein, M.F., El Hadidy, A.M., El-Boghdadi, M. H, Elchalakani, M, "Behaviour of corrugated web girders subjected to Lateral-torsional buckling: experimental tests and numerical modelling", structures, Vol. 33, pp. 152-186, 2021.
- [2] Hassanein, M.F., **Elkawas, A.A.**, Bock, M., Shao, Y.B., Elchalakani, M., "Effect of using slender flanges on EN1993-1-5 design model of mono-symmetric S460 corrugated web bridge girders", structures, Vol. 33, pp. 330-342, 2021.
- [3] M.F. Hassanein, **A.A. Elkawas**, Shao, Y.B., (2020), "Assessment of the suitability of Eurocode design model for corrugated web girders with slender flanges", structures, Vol. 27, pp. 1551-1569.
- [4] Hassanein, M.F., **Elkawas, A.A.**, Shao, Y.B., M. ELchalakani, A.M. EL Hadidy, "Lateral-torsional buckling behavior of mono-symmetric S460Corrugated web bridge" girders Thin-Walled Structures, Vol. pp. ,2020.
- [5] **Elkawas, A.A.**, Hassanein, M.F., Elchalakani, M., (2018), "Lateral-torsional buckling strength and behaviour of high-strength steel corrugated web girders for bridge construction", *Thin-Walled Structures*, Vol. 122, pp. 112-123.
- [6] Hassanein, M.F., Elchalakani, M., **Elkawas, A.A.**, (2017), "Design of cold-formed CHS braces for steel roof", *Thin-Walled Structures*, Vol. 120, pp. 249-259.

- [7] Hassanein, M.F., **Elkawas, A.A.**, El Hadidy, A.M., Elchalakani, M., (2017), "Shear Analysis and Design of High-Strength Steel Corrugated Web Girders for Bridge Design", *Engineering Structures*, Vol. 146, pp. 18-33.
- [8] **Elkawas, A.A.**, Hassanein, M.F., El-Boghdadi M.H., (2017), "Numerical Investigation on the Nonlinear Shear Behaviour of High-Strength Steel Tapered Corrugated Web Bridge Girders", *Engineering Structures*, Vol. 134, pp. 358-375.
- [9] Hassanein, M.F., **Elkawas, A.A.**, Marina Bock, Elchalakani, M., Yong-Bo Shao, (2022), "Lateral Torsion Buckling Strength of Corrugated Web Bridge Girders: EC3 and AISC modified design method", *Thin-Walled Structures*, Vol. 176.
- [10] Hassanein, M.F., Yu-Mei Zhang, **Elkawas, A.A.**, Mohammed Al-Emrani., Yong-Bo Shao, (2022), "Small-Scaled Laterally Unrestrained Corrugated Web Girders: (II) Parametric Studies and LTB ", *Thin-Walled Structures*, Vol. 180.

Papers Published in Refereed Conferences

- [1] **Elkawas, A.A.**, Hassanein, M.F, El Hadidy, A.M., El-Boghdadi, M.H., "Lateral torsional buckling performance and strength of plate girders with corrugated webs", International conference on Advances in Structural and Geotechnical Engineering (ICASGE'21), Hurghada, Egypt, 2021.
- [2] **Elkawas, A.A.**, El-Boghdadi M.H., (2017), "Generalised Critical Shear Buckling Stresses of Different Steel Corrugated Webs with Bridge Dimensions", ICASGE'17, International Conference on Advances in Structural and Geotechnical Engineering, Hurghada, Egypt, 27-30 March, 2017.
- [3] Hassanein. M.F., El-Boghdadi M.H., **Elkawas, A.A.**, (2017), "Fundamental Shear Behaviour of High-Strength Steel Tapered Corrugated Web Bridge Girders", ICASGE'17, International Conference on Advances in Structural and Geotechnical Engineering, Hurghada, Egypt, 27-30 March, 2017.

Certificates are available upon request

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