

Associate Professor Amr Bakr Saddek Mohamed

Vice Dean of Teaching & Student affairs-Civil Engineering Department, Faculty of Engineering-Beni-Suef University-New Beni-Suef City,P.O. Box: 62512



Family name: Saddek
Name : Amr Bakr Saddek Mohamed
Date of Birth : August 9, 1971
Nationality : Egyptian
Marital Status: Marry
Mailing Address Civil Engineering Department, Faculty of Engineering, Beni-Suef University, Egypt.
Mobile: 00201022068809-00201010550868
Fax : 002-086-2636748
E-mail : Amrbkr93@gmail.com& Amr_Bakr2003@Yahoo.com
Language : Arabic (Mother Tongue)-English (very good)

ACADEMIC QUALIFICATION:

- 1-B.Sc., Civil Engineering Department, Faculty of Engineering, Minia University- overall grade Very Good, 1993- Graduation Project "Foundation " with Grade excellent.
- 2-M.Sc., Civil Engineering Department, Faculty of Engineering, Minia University, 1999- Specialization: Steel Structures Thesis Topic "Interactive Buckling of Thin-Walled Structures".
- 3-Ph.D., Civil Engineering Department, Faculty of Engineering, Minia University, 2006- Specialization: Steel Structures Thesis Topic "Buckling of Web Plate in Plate Girder Bridge".

ACADEMIC TRAINING:

- 1- Training for EPE Test from Foreign Language-Minia University.
- 2- Training for Internet-Minia University.
- 3- Training for Microsoft Diploma in Computer Science.
- 4- Passing ICDL Tests.
- 5- Passing Toefl Tests-Score 510- Foreign Language-Beni Suef University.
- 6- Course in Preparing for Lecture- Beni Suef University.
- 7- Course in Scientific Publishing- Beni Suef University.
- 8- Course in Scientific Publishing- Beni Suef University.
- 9- Course in Strategy Planning- Beni Suef University.
- 10- Course in Methods of Evaluation Exams- Beni Suef University.
- 11- Course in Teaching with credit hours- Beni Suef University.

EMPLOYMENT RECORD:

- 1- 1997– 2002 Researcher, Civil Engineering Department, Faculty of Engineering, El Minia University.
- 2- 2002 - 2006 Assistant lecturer, Civil Engineering Department, Faculty of Engineering, Al-Azhar University.
- 3- -2006- 2009 Assistant Professor, Civil Engineering Department, Faculty of Engineering, Al-Azhar University.
- 4- **2010-2012 Assistant Professor, Civil Engineering Department, College of Engineering and Islamic Architecture, Umm Al-Qura University.**
- 5- 2012- 2015 lecturer, Civil Engineering Department, Beni-Suef University.
- 6- 2015-2017 Assistant Professor, Civil Engineering Department, Beni-Suef University.
- 7- 2015-2017 Vice Dean of Teaching & Student affairs-Civil Engineering Department, Faculty of Engineering-Beni-Suef University.

PROFESSIONAL EXPERIENCE:

- 1- Consultant Design of Concrete Structures-Egyptian Engineering Association.
- 2- Head of Dar El-Handasa office for Consultant of Engineering Projects-Qena-Egypt.

TEACHING EXPERIENCE:

The author has been sharing in teaching the following courses in undergraduate level both in sections and laboratory in Civil Department, Faculty of Engineering, El Minia University, Al-Azhar University, Beni Suef University and **Umm Al-Qura University.**

- **Strength of Materials.**
- **Theory of Structures.**
- **Design of Steel Bridges.**
- **Design of Steel Structures.**
- **Design of Reinforced Concrete Structures.**
- **Project Management.**
- **Survey.**
- **Engineering Railway.**

RESEARCH EXPERIENCE:

- 1-**M.Sc. Thesis:** The aim of this study was to define the Interactive Buckling in Thin Walled Structures under Compression.
- 2-**Ph.D. Thesis:** The aim of this study was to define the Critical Load of Plate Girder under Pure Moment.

COMPUTER SKILL:

Computer Language : Microsoft Office 2016 & Xp, etc

Computer Design Aids: AutoCAD 2017, Sap2000, Ansys16.

PUBLICATION:

- 1- **“Buckling of Cold Formed Members“, International Conference, El Minia, Egypt 21-23 Mars 1999.**

- 2- "Investigation of Buckling Behavior of Slender Plate Girders Under Concentrated Load", International 9th Conference, El Azhar University, Egypt 13-15 April 2007.
- 3- "Prediction of Buckling Load in Plate Girders Subjected to Pure Moment", International 9th Conference, El Azhar University, Egypt 13-15 April 2007.
- 4- "Theoretical Investigation on the Behavior of Hybrid Plate Girders Under Pure Moment", International 7th Conference, King Saud University, Kingdom of Saudi Arabia, 2-5 December 2007.
- 5- "Effect of Confinements on the Design of High Strength Concrete Columns", International 10th Conference, El Azhar University, Egypt 24-26 December 2008.
- 6- "Design of High Strength Concrete Eccentric Loaded Columns", International 10th Conference, El Azhar University, Egypt 24-26 December 2008.
- 7- "Analysis of Rectangular Hollow Sections under Uniaxial Compressive Loads", International 11th Conference, El Azhar University, Egypt 21-23 December 2010.
- 8- "Comparative study of Y and T stiffeners subjected to lateral loads with different levels of initial imperfection", Ocean Engineer 61(2013) 12-25-ELSEVIER.
- 9- "Effect of web dimensions on critical buckling stress of t sections under axial and combined loads", European journal of scientific research, Vol. 86 No 4 September,2012, pp.509-519.
- 10- "Theoretical analysis of constants of elasticity of lead calcium aluminoborosilicate glass system", J. Glass Phys. And Chem., Vol.38, No5,pp.437-443,2012.
- 11- "Theoretical and experimental study for the behavior of short composite columns tested under static centric or eccentric loads", Journal of engineering sciences,Vol.40 No.3-May 2012, Faculty of engineering-University of Assiut.
- 12- "Finite element analysis for the behavior of short concrete filled steel box (CFSB) columns subjected to static load" Journal of engineering sciences,Vol.31 No.2-july 2012, Faculty of engineering- Minia.University.
- 13- "Flexure behavior of R.C. beams strengthened with different methods" Journal of engineering sciences,Vol.32 No.1-january 2013, Faculty of engineering- Minia.University.
- 14- "Effecincy of plate girder with corrugated web vers plate girder with flat web", Journal of engineering sciences,Vol.32 No.1-january 2013, Faculty of engineering- Minia.University.
- 15- "Behavior and Strengthening of High Strength Concrete Columns ",Civil Engineering Research Magzin,Vol.35, No4, Faculty of Engineering-Al Azhar University, 2013.
- 16- "Enhancement of Steel Tubes performance as column strengthening technique", under publication, 2014.
- 17- " Critical shear stress for steel plate girder with web cutouts", Journal of engineering sciences, Faculty of engineering- Minia University, January 2015.

- 18- **“Employing steel tubes as a high-strength concrete-column strengthening technique”, First International Conference on Advances in Structural and Geotechnical Engineering (ICASGE’15), Faculty of Engineering -Tanta University,6-9 April 2015.**
- 19- **“Behavior of plate girder with corrugated steel web subjected to shear loading”, First International Conference on Advances in Structural and Geotechnical Engineering (ICASGE’15), Faculty of Engineering -Tanta University,6-9 April 2015.**
- 20- **“Theoretical investigation of shear buckling for hybrid steel plate girder with corrugated webs”, World Applied Science Journal (WASJ). I. F. =0.23, March 2015.**
- 21- **“Elastic buckling of steel box column under uniaxial compressive loads”, Civil Engineering Research Magzin, Faculty of Engineering-Al Azhar University, March 2015.**
- 22- **“Ultrasonic investigations of some bismuth borate glasses doped with Al₂O₃”, Bull. Mater -Indian Academy of Sciences. I. F. =0.87, February 2015.**
- 23- **“Shear buckling strength of plate girder with trapezoidal corrugated steel webs”, Minia Journal of Engineering and Technology (MJET), Vol. 35, No 2, July 2016.**
- 24- **“Interactive Shear Buckling Of Corrugated Web”, Minia Journal of Engineering and Technology (MJET), Vol. 35, No 2, July 2016.**
- 25- **“Interactive Shear Buckling Of Plate Girder with Corrugated Web (Analytical Solution)”, (American Journal of Engineering Research (AJER), Vol. 5, Issue-7, pp-40-46, e-ISSN: 2320-0847 p-ISSN : 2320-0936,2016.**
- 26- **“The impact of cooling water types on the cement clinker properties ”, Egyptian Journal of Petroleum, Egyptian Petroleum Research Institute, journalhomepage:www.sciencedirect.com,http://dx.doi.org/10.1016/j.ejpe.2017.04.003, Article in Press,2017.**
- 27- **“The impact of fluctuation of the Nile River level on water composition ”, Water Practice & Technology , IWA Publishing ,Vol 12 No 2, doi: 10.2166/wpt.2017.040, June 2017.**

28- “Effect of corrugated web on flexural capacity of steel beams”,
International Journal of Applied Engineering Research ISSN 0973-4562 ,
Research India Publications. <http://www.ripublication.com> , Volume 12,
Number 4, pp. 470-481, 2017.

REFERENCES:

1- Professor Mohammed Abdel-Kader Alaghoury.

Professor of Steel Structures and Bridges, Civil Department, Faculty of Engineering,
Ain Shams University, Egypt.
002-012-23508346.

2- Professor Mohammed Ahmed Abdel_Mohassen

Professor of Steel Structures and Bridges, Civil Department, Faculty of Engineering,
Tanta University, Egypt.
002-012-04439366- 002-040-3357018.

3- Pofessor Sedky Abdallah Tohamy

Professor of Steel Structures and Bridges, Civil Department, Faculty of Engineering,
El Minia University, Egypt.002-012-22440154