



## CV

**Prof. Dr. Eng.: Mohamed Abdel-Basset Abdo**

**Professor of  
"Analysis and Mechanics of Structures-Design of Steel Structures"  
Civil Eng. Dept., Faculty of Engineering, Assiut University**

**Head, Civil Engineering Department,  
Faculty of Eng., Assiut University  
(Feb. 2023- now)**

**Referee for Permanent Scientific Committee for Structural Engineering and  
Construction to promote professors and associate professors**

**Coordinator of  
Construction Eng. & Project Management Program  
(2018-2022)**

**Reviewer for the National Authority for Quality Assurance and Accreditation  
of Education (NAQAAE)**

**Consultant Engineer for Design of Concrete Structures**



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## 1. Personal Data:

Name	Mohamed Abdel-Basset Abdo	
Date of birth	August 4, 1966	
Place of birth	Assiut, Egypt.	
Nationality	Egyptian	
Religion	Muslim	
Marital status	Married and have 3 children.	
Current position	Professor of "Analysis and Mechanics of Structures"	
Correspondence	Civil Eng. Dept., Faculty of Eng., Assiut University, Assiut, Egypt., P.O. Box: 71516	

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## 2. Links on the Internet:

Assiut Web (E)	<a href="https://www.aun.edu.eg/engineering/user/6767">https://www.aun.edu.eg/engineering/user/6767</a>
Assiut Web (A)	<a href="https://www.aun.edu.eg/engineering/ar/mohamed-abdel-basset-abdo-mohamed">https://www.aun.edu.eg/engineering/ar/mohamed-abdel-basset-abdo-mohamed</a>
Google Scholar	<a href="https://scholar.google.com/citations?hl=en&amp;user=pH9kyLsAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=pH9kyLsAAAAJ</a>
ResearchGate	<a href="https://www.researchgate.net/profile/Mohamed_Abdo20">https://www.researchgate.net/profile/Mohamed_Abdo20</a>
LinkedIn	<a href="https://eg.linkedin.com/in/mohamed-abdo-62557688?trk=pub-pbmap">https://eg.linkedin.com/in/mohamed-abdo-62557688?trk=pub-pbmap</a>
Orcid	<a href="https://orcid.org/0000-0002-2341-2601">https://orcid.org/0000-0002-2341-2601</a>
Scopus	<a href="https://www.scopus.com/authid/detail.uri?authorId=55647164645">https://www.scopus.com/authid/detail.uri?authorId=55647164645</a>
Academia	<a href="https://assiutuniversity.academia.edu/MohamedAbdelBassetAbdo">https://assiutuniversity.academia.edu/MohamedAbdelBassetAbdo</a>



### 3. Academic Qualifications:

- First academic degree:

Degree	<b>B.Sc. of Engineering</b>	Specialization	<b>Civil Engineering</b>
Institute/University	<b>Faculty of Eng., Assiut University</b>	Date of granting	<b>May 1989</b>
General rating	<b>Very good with honor's degree</b>	Project rating	<b>Excellent</b>

- Second academic degree:

Degree	<b>M.Sc. of Engineering</b>	Specialization	<b>Structural Engineering</b>
Institute/University	<b>Faculty of Eng., Assiut University</b>	Date of granting	<b>Oct., 1994</b>
Title of thesis: <b>Analysis of Structures-Soil Interaction for Stiffened and Unstiffened Shells</b>			

- Third academic degree:

Degree	<b>Ph.D. of Engineering</b>	Specialization	<b>Structural Engineering</b>
Institute/University	<b>The University of Tokyo, Japan</b>	Date of granting	<b>March 2002</b>
Title of dissertation: <b>Structural Health Monitoring Using Changes in Dynamic Characteristics</b>			

- Fourth academic degree:

Degree	<b>Associate professor of Engineering</b>	Specialization	<b>Structural Engineering</b>
Institute/University	<b>Assiut University</b>	Date of granting	<b>May 2007</b>

- Fifth academic degree:

Degree	<b>professor of Engineering</b>	Specialization	<b>Analysis and mechanics of structures</b>
Institute/University	<b>Assiut University</b>	Date of granting	<b>Nov. 2012</b>



#### 4. Employment History:

University/Institution (Employer)	From	To	Job Title/Rank (Position)	Inclusive duties (teaching, research, administration)	Type of Job (full time, part time)
Assiut University	1989	1994	Demonstrator	Research, teaching	Full time
Assiut University	1994	1999	Assistant lecturer	Research, teaching	Full Time
The University of Tokyo (Japan)	April 1999	March, 2002	Ph.D. candidate	Research	Full Time
Assiut University	April 2002	January, 2005	Assistant professor	Research, teaching	Full Time
Omar Al-Mokhtar University, Libya	January 2005	August, 2008	Assistant professor	Research, teaching	Full Time
Al-Jouf University, Saudi Arabia	Sept., 2008	August, 2014	Engineering counselor for the university	Revision of structural drawings and follow-up of implementation of 30 big projects	Full Time
Assiut University	June, 2007	Nov., 2012	Associate professor	Research, teaching	
Assiut University	Dec., 2012	Till now	Professor	Research, teaching	Full Time
Assiut University	Sept., 2018	Sept., 2022	Coordinator Construction Eng. & Project Management	coordinator	Full Time
Assiut University	Feb., 2023	Till now	Head, Civil Eng. Department	Head, Civil Eng. Department Council	Full Time



## 5. University Teaching:

<b>Assist in teaching the following courses</b>		
University/Institution	Course title	Language of instruction
Faculty of Engineering/ Assiut University	Design of RC structures 2 <sup>nd</sup> and 3 <sup>rd</sup> year civil	English
Faculty of Engineering/ Assiut University	Design of RC structures 3 <sup>rd</sup> year Architectural	English
Faculty of Engineering/ Assiut University	Design of steel structures 3 <sup>rd</sup> year civil	English
Faculty of Engineering/ Assiut University	Design of steel structures 3 <sup>rd</sup> year Architectural	English
Faculty of Engineering/ Assiut University	Structural analysis 1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> and 4 <sup>th</sup> year civil	English
Faculty of Engineering/ Assiut University	Structural analysis 1 <sup>st</sup> , 2 <sup>nd</sup> year Architectural	English

<b>Other courses taught</b>	
Theory of structures-1	Assiut University, 1 <sup>st</sup> year Civil (A &B)
Dynamics of structures and earthquake engineering	Assiut University, 3 <sup>rd</sup> Civil
Design of steel structures	Assiut University, 3 <sup>rd</sup> year Civil and Architectural
Design of steel structures	Al-Azhar University, Qena Branch, 3 <sup>rd</sup> year Civil and Architectural
Design of RC structures	Al-Azhar University, Qena Branch, 3 <sup>rd</sup> year Architectural
Advanced structural analysis	Al-Azhar University, Qena Branch, 4 <sup>th</sup> year Civil
Advanced steel structures	Assiut University, 1 <sup>st</sup> year of Diploma of Structural Engineering
Design of steel structures	Omar Al-Mokhtar University, Libya, 2 <sup>nd</sup> and 3 <sup>rd</sup> year Civil
Structural Analysis	Omar Al-Mokhtar University, Libya, 2 <sup>nd</sup> year Civil
Civil drawing	Omar Al-Mokhtar University, Libya, 2 <sup>nd</sup> year Civil
Design of bridges	Omar Al-Mokhtar University, Libya, 4 <sup>th</sup> year Civil
SAP2000 for structural analysis of different types of structures.	Assiut University, 4 <sup>th</sup> year Civil



## **6. Research and Publications:**

### **6.1 Papers published in journals:**

1. Fathalla M. El-Amin, Mohamed F. A., Hamdy H. Ahmed, and **Mohamed A.-B. Abdo**, “Analysis of Multi-Bay Arched Retaining Wall”, *Bulletin of The Faculty of Engineering, Assiut University*, Vol. 23, no. 2, pp. 21-30, July (1995).
2. Fathalla M. El-Amin, Mohamed F. A., Hamdy H. Ahmed, and **Mohamed A.-B. Abdo**, “Analysis of Stiffened Embedded Circular Cylindrical Shells Constructed by Sunken Shaft Method”, *Bulletin of The Faculty of Engineering, Assiut University*, Vol. 23, no. 2, pp. 39-46, July (1995).
3. **Mohamed A.-B. Abdo** and Muneo Hori, “A Numerical Study of Structural Damage Detection Using Changes in the Rotation of Mode Shapes”, *Journal of Sound and Vibration*, Vol. 251, no. 2, pp. 227–239, March (2002).
4. **Mohamed A.-B. Abdo**, “Theoretical Analysis of Temperature-Induced Variations in Structural Dynamic Characteristics”, *Journal of Engineering Sciences, Faculty of Engineering, University of Assiut*, Vol. 31, no. 4, pp. 827 –836, October (2003).
5. **Mohamed A.-B. Abdo** and Mostafa Abdou Abdel-Naiem, “Reliability of Using High-Order Mode Shapes in Structural Damage Detection”, *Journal of Engineering Sciences, Faculty of Engineering, University of Assiut*, Vol. 33, no. 6, pp. 2051–2068, November (2005).
6. **Mohamed A.-B. Abdo**, “Minimum Stiffness of an Intermediate Support for a Beam to Maximize Its Fundamental Frequency”, *Journal of Engineering Sciences, Faculty of Engineering, University of Assiut*, Vol. 34, no. 5, pp. 1377-1393, September (2006).
7. **Mohamed A.-B. Abdo** and Walid Abo El-Wafa Mohamed, “Parametric Study of the Effect of Cross-Frames on the Behaviour of Composite Steel-Concrete Girders Curved in Plan and Constructed with Shoring”, *Journal of Engineering Sciences, Faculty of Engineering, University of Assiut*, Vol. 34, no. 5, pp. 1395-1415, September (2006).
8. **Mohamed A.-B. Abdo**, “Effect of Bottom Lateral Bracings on the Behaviour of Composite Steel-Concrete Bridges Curved in Plan”, *Journal of Engineering Sciences, Faculty of Engineering, University of Assiut*, Vol. 34, no. 5, pp. 1417-1432, September (2006).
9. Walid Abo El-Wafa Mohamed and **Mohamed A.-B. Abdo**, “Evaluation of the Seismic Response of Base Isolated Frame Structures with Different Heights”, *Journal of Engineering Sciences, Faculty of Engineering, University of Assiut*, Vol. 34, no. 5, pp. 1433-1448, September (2006).
10. **Mohamed A.-B. Abdo**, “Parametric Study of the Effect of Cross-Frames and Lateral Bracings on Free Vibration Response of Horizontally Curved I-Girder Bridges”, *Journal of Engineering Sciences, Faculty of Engineering, University of Assiut*, Vol. (36), no. 2, pp. 295-312, (2008).





• **Papers published in journals (Cont.):**

11. **Mohamed A.-B. Abdo**, "Parametric Study of the Effect of Dead Loads on Beam Natural Frequencies", *Journal of Engineering Sciences, Faculty of Engineering, University of Assiut*, Vol. (36), no. 5, pp. 1071-1083, (2008).
12. **Mohamed A.-B. Abdo**, "Analysis of Steel Bridges with Rectangular Web Openings: Finite Element Investigation", *Journal of Engineering Sciences, Faculty of Engineering, University of Assiut*, Vol. (38), no. 1, pp. 1-17, (2010).
13. Mostafa Abdou Abdel-Naiem and **Mohamed A.-B. Abdo**, "Effect of Soft Clay Layer on Behavior of Tunnel Lining Constructed in Layered Soil", *Journal of Engineering Sciences, Faculty of Engineering, University of Assiut*, Vol. (38), no. 5, pp. 1101-1117, (2010).
14. **Abdo, M. A.-B.**: "Parametric Study of Using Only Static Response in Structural Damage Detection", *Journal of Engineering Structures*, Vol. (34), no. 1, pp. 124-131, (2012).
15. **Abdo, M. A.-B.**: "Damage Detection in Plate-Like Structures Using High-Order Mode Shape Derivatives", *International Journal of Civil and Structural Engineering*, Vol. (2), no. (3), pp. 792-807, (2012).
16. **Abdo, M. A.-B.** and Hori, Muneo: "Reliability of Using 3-D Woven Polypropylene Fiber in Strengthening of a Large Scale RC Structure Subjected to Seismic Loads", *Arabian Journal for Science and Engineering*, Vol. (37), no. 3, pp. 505-520, (2012).
17. **Abdo, M. A.-B.**: "Modeling of Shear-Wall Dominant Symmetrical Flat-Plate Reinforced Concrete Buildings", *International Journal of Advanced Structural Engineering*, 4:2 Sept. 2012, 23 pp. (2012).
18. **Abdo, M. A.-B.**: "Structural Health Monitoring: History, Applications, and Future", *Permanent Scientific Committee of promotion to the position of professor in Structural Engineering*, Nov. 2012, 93 pp. (2012).
19. **Abdo, M. A.-B.**: "Reliability of Using Curvature Techniques in Structural Damage Detection" *Journal of Engineering and Applied Sciences*, Majmaah University, Saudi Arabia, April 2014, Vol. 1, pp. 1-12.
20. **Redhwan M.Algobahiab, Mohamed Abdel-Basset Abdoa, Mohamed F.M.Fahmy**, "Resilient steel beam-column connection with bolted compact hollow structural steel damper", *Engineering Structures*, Volume 254, 1 March 2022, 113835, (2022). <https://doi.org/10.1016/j.engstruct.2021.113835>
21. **Momen Mohamed. M. Ahmed, Mohamed Abdel-Basset Abdo, Waleed Abo El-Wafa Mohamed**, "Vertical Geometric Irregularity Effect on Performance-Based Seismic Design for Moderate Rise RC Moment Resisting Frame Buildings", *Arabian Journal for Science and Engineering*, Vol. 47, pp. 12333-12348, Oct. (2022). <https://doi.org/10.1007/s13369-021-06376-y>
22. **Hazem O. Nady, Mohamed A.B. Abdo, Fayez Kaiser**, "Comparative study of using rotation influence lines and their derivatives for structural damage detection", *Structures*, Volume 48, pp. 397-409, (2023). <https://doi.org/10.1016/j.istruc.2022.12.053>



**23. Momen Mohamed. M. Ahmed, Mohamed Abdel-Basset Abdo, Waleed Abo El-Wafa Mohamed,** "Response modification factor evaluation for vertically irregular MRF buildings", ICE, Structures and Buildings, Published on line: 19 May 2023. <https://doi.org/10.1680/jstbu.22.00146>

**24. Hazem O. Nady, Mohamed A.B. Abdo, Fayez Kaiser,** "Comparative Study of Using Displacement Influence Lines and Their Derivatives for Structural Damage Identification", *Arabian Journal for Science and Engineering*, Published on line: 19 July 2023. <https://doi.org/10.1007/s13369-023-08019-w>

**25. Redhwan M.Algobahi, Mohamed F.M.Fahmy, Mohamed Abdel-Basset Abdo,** "Seismic Performance of Steel Beams to Diamond-Shaped Concrete-Filled Steel Tube Column Connections: Concept and Validation", *Journal of Structural Engineering*, Volume 149, Issue 12. <https://doi.org/10.1061/JSENDH.STENG-11555>

## 6.2 Papers presented at conferences and seminars:

Title of paper or presentation	Title of Conference/Seminar	Place	Date
1. "Structural Damage Detection Using Changes in Mode Shape Derivatives", <i>Vol. 1, pp. 85-88</i>	<i>Third International Summer Symposium</i>	The University of Tokyo, Japan	8 August 2001
2. "A Numerical Study of Using Changes in Mode Shapes for Structural Damage Detection", <i>Paper no. 1399</i>	<i>Eighth East Asia-Pacific Conference on Structural Engineering and Construction (EASEC-8)</i>	Nanyang Technological University, Singapore	5-7 Dec. 2001
3. "Detection of Earthquake-Induced Damage in a Large-Scale Multi-Story RC Model", <i>Vol. 1, pp. 270-281</i>	<i>First International Conference of Civil Engineering Science (ICCES1)</i>	Assiut University, Egypt	7-8 Oct. 2003
4. "Comparative Study of Curvature Techniques Used in Damage Identification", <i>Vol. 1, pp. 73-86</i>	<i>International Conference on Structural &amp; Geotechnical Engineering and Construction Technology (IC-SGECT '4)</i>	Mansoura University, Egypt	23-25 March 2004
5. "Numerical Investigation of the Variations of Structural Modal Frequencies Caused by Ambient Temperature Changes", <i>Paper Code no. E05SR08</i>	<i>Eleventh International Colloquium on Structural and Geotechnical Engineering (11<sup>th</sup> ICSGE)</i>	Ain Shams University, Egypt	17-19 May 2005
6. Damage Detection of Bridges Using Only Static Response	<i>Second International Conference on Bridge Testing, Monitoring &amp; Assessment</i>	Cairo, Egypt	27-29 Dec., 2015



Title of paper or presentation	Title of Conference/Seminar	Place	Date
7. Effect of Connecting Beam to Square Concrete Filled Steel Tube Corner on Enhancing the Joint Seismic Performance	<i>International Conference on Advances in Structural and Geotechnical Engineering ICASGE'21</i>	Hurghada, Egypt	15-18 March 2021,
8. An Analytical Study of Using Displacement Influence Lines in Structural Damage Identification	<i>2nd International Conference on Civil Engineering: ICCE2021</i>	<i>Hurghada, Egypt</i>	<i>30 October to 2 Nov. 2021</i>
9. Soil-Structure Interaction Effect on Performance-Based Seismic Design of RC MRF Building	<i>2nd International Conference on Civil Engineering: ICCE2021</i>	<i>Hurghada, Egypt</i>	<i>30 October to 2 Nov. 2021</i>
10. Innovative Energy-Dissipation System for Self-Centering Posttensioned Steel Moment-Resisting Frames	<i>2nd International Conference on Civil Engineering: ICCE2021</i>	<i>Hurghada, Egypt</i>	<i>29-31 October, 2021</i>
11. Application of BFRP Composites in Steel Beam-Column Joints.	<i>2<sup>nd</sup> International Conference on Basalt Fibers and Composites: ICBFC 2022</i>	<i>Southeast University, China (Online)</i>	<i>9-11 November, 2022</i>
12. Seismic Vulnerability Assessment of MRF Vertical Irregular Structures Using Damage Indices	<i>3<sup>rd</sup> International Conference on Civil Engineering: ICCE2023</i>	<i>Hurghada, Egypt</i>	<i>24-27 October, 2023</i>

## **7. Published books:**

### **7.1 Ordinary books:**

- 1) Lectures on Design of Steel Structures-Part-I, 2004.
- 2) Lectures on Design of Steel Structures-Part-III, 2008.
- 3) Lectures on Analysis and Mechanics of Structures, Part I-A and I-B, 2015.
- 4) "Structural Health Monitoring: History, Applications, and Future", Open Science, Sept. 2014, 110 pp. (2014).
- 5) Lectures on "Dynamics of Structures and Earthquake Engineering", 3<sup>rd</sup> year civil, 2016.
- 6) Lectures on "Computer Applications in Structural Engineering", 4<sup>th</sup> year civil, 2016.



## **7.2 Electronic books:**

1. Analysis and Mechanics of Structures, Part I-A.

## **8 Organizing conferences:**

- 1 A member of the organizing committee for the **1<sup>st</sup> International Conference on Civil Engineering**, Assiut University, 7-8 Oct., 2003.
- 2 Coordinator of seminars for scientific research, Civil Engineering Dept., Assiut University.
- 3 General Secretary of the **2<sup>nd</sup> International Conference on Civil Engineering**, “Recent Applications and Future Challenges”, Hurghada, Egypt, 30 Oct. to 2 Nov. 2021.
- 4 Scientific chairman of the **3<sup>rd</sup> International Conference on Civil Engineering**, “Sustainability and Development”, Hurghada, Egypt, 24-27 Oct. 2023.

## **9 Referee for promotion to associate professor in Civil Engineering (Structural Engineering):**

- 1 2 folders for promotion to associate professor from one university in Jordan.
- 2 Number of folders for both assistant professors and professors, (Structural Engineering and Construction Committee, Ministry of Higher Education, Egypt).

## **10 Referee for international & regional journals and theses:**

- 10.1 Revision and evaluation of more than 30 M.Sc. & Ph.D. theses (IIS in India, German University at Cairo, Assiut University, Minia University).
- 10.2 Revision and evaluation for some papers submitted to the following journals:
  - 1- Journal of Sound and Vibration, Academic Press, UK.
  - 2- Engineering Structures Journal, ELSEVIER.
  - 3- International Journal of Advanced Structural Engineering, a Springer Open Journal, Iran.
  - 4- Shock and Vibration Journal, SAV, IOS Press, USA.
  - 5- Journal of Vibration and Acoustics, VIB, ASME, USA.
  - 6- The Structural Design of Tall and Special Buildings, Wiley.
  - 7- International Journal of Civil and Structural Engineering, Integrated Publishing Association, India.
  - 8- Journal of Engineering Sciences, Faculty of Engineering, University of Assiut, Egypt.
  - 9- Structural Engineering and Mechanics, *An international Journal*, Techno Press Korea.



- 10-Steel and Composite Structures, *An international Journal*, Techno Press Korea.
- 11-Structure and Infrastructure Engineering, *Maintenance, Management, Life-Cycle Design and Performance*, Taylor and Francis Online.
- 12-Ain Shams Engineering Journal (ASEJ), ELSEVIER.
- 13-Minia Journal of Engineering and Technology, Minia University, Egypt.
- 14-Innovative Infrastructure Solutions, Springer.
- 15- Sohag Engineering journal, Faculty of Eng., Sohag University, Egypt.

## **11 Editorial board of the following journals:**

### **AASCIT (American Association for Science and Technology)**

- 1) Engineering and Technology.
- 2) International Journal of Civil Engineering and Construction Science.

## **12 Supervising scientific theses**

### **12.1 Discussed Theses:**

1. Hazem Omar Nady Hassan M.Sc. Thesis, “EFFICIENCY OF USING DISPLACEMENT INFLUENCE LINES AS A STRUCTURAL DAMAGE DETECTION”, Discussed on Dec. 27, 2022.
2. Redhwan M. Algobahi, PhD. Thesis, “INNOVATIVE CONNECTIONS OF STEEL BEAMS TO CFST COLUMNS TO ENHANCE AND CONTROL SEISMIC PERFORMANCE”, Discussed on March 10, 2022.
3. Hassan M. A. Hassan, ME. Thesis, “Effect of Vertical Irregularity on the Seismic Performance of RC Buildings”, Discussed on Oct. 3, 2020.
4. Ahmed, M. M. M., PhD Thesis, “Performance-Based Seismic Design of RC Buildings with Vertical Irregularity Considering Soil-Structure Interaction”, Discussed on July 24, 2023.
5. Ahmed-Samy, B. Z. H., MSc Thesis, “Long Term Behavior of Self-Centering Connection of Steel Beams to CFST Columns”, Discussed on April 18, 2024.

### **12.2 Theses in progress:**

- Ph.D. dissertations are under my supervision in progress.
- M.Sc. theses are under my supervision in progress.



### 13 Other university activities/contributions

Activity	Nature of Contribution
Teaching undergraduate courses in Al-Azhar University, Qena branch, Egypt	Teaching
Secretary of Council of Civil Eng. Dept., Assiut University, 2003-2004	Writing and editing the department council decisions
Member of the organizing committee of the <i>1<sup>ST</sup> International Conference of Civil Engineering Science</i> , (ICCES1), Oct. 2003	Editing and printing of the proceedings
Member of the executive committee for self evaluation of quality assurance program of Faculty of Eng., Assiut University, 2002-2003	Revising, editing and printing of the report
Participation of symposium regarding self evaluation of quality assurance program at Ain-Shams University, 2003	Participation of symposium regarding self evaluation of quality assurance program
Supervisor of a group of undergraduate students, Assiut University, 2003-2005	Guide the students in their courses and recreational activities during the academic year (trip, training courses, visiting new projects, etc.)
Member of the committee for developing the civil engineering department regulations at Faculty of Eng., Omer Al-Mokhtar University	Participation in developing the courses and regulations for undergraduate students
Member of the committee for Education and Students' affairs of Faculty of Eng., Assiut University, 2014-2015	Discussion and recommendation regarding undergraduate students' affairs
Chairman of the Committee monitoring the grades of undergraduate students of Department of Civil Engineering	Distribution of jobs for each committee member, revision and display of students' grades
Member of the committee for preparation of the regulations of new department. " <b>Construction Engineering and Project Management</b> " at Faculty of Eng., Assiut University	Participation in preparation of the regulations of the new Dept.
Coordinator of scientific seminars of Civil Eng. Dept., 2014-2015	Coordinate, prepare, and attend presentation and discussions of seminars in all branches of Civil Engineering
Member of the committee for Higher Education and Researches of Faculty of Eng., Assiut University, 2016-2017	Discussion and recommendation regarding postgraduate candidates' affairs



Vice general coordinator for Quality Assurance and Accreditation Committee visiting to faculty of engineering, Assiut University, 9-11 April 2017.	Participation and preparation of all events during the team visiting.
Quality coordinator for Construction Engineering and Project management program.	Participation in all events regarding the program and solve students' problems.

#### **14. Participation in conferences and scientific symposiums**

No.	Conference/symposium	Date	Place	Participation
1	19 <sup>th</sup> European Regional Symposium for Earthquake Engineering,	1-4 Dec., 1997	Cairo University, Egypt.	Attending the discussions
2	International Symposium on Non-Destructive Testing in Civil Engineering (NDT-CE2000)	25-27 April, 2000	Tokyo University, Japan.	Attending the discussions
3	Symposium of Applied Mechanics of Japanese Society of Civil Engineers (JSCE)	Sept. 20, 2000	Tohoku University, Sendai, Japan.	Attending the discussions
4	Annual meeting of Japanese Society of Civil Engineers (JSCE)	21-23 Sept., 2000	Tohoku University, Sendai, Japan.	Attending the discussions
5	4 <sup>th</sup> Japan-Korea Workshop on "Nonlinear System Identification and Structural Health Monitoring"	26-27 February, 2001	Disaster Prevention Research Institute (DPRI), Kyoto University, Japan.	Attending the discussions
6	3 <sup>rd</sup> International Summer Symposium	August 8, 2001	Tokyo, Japan.	Presenting paper
7	Symposium of Applied Mechanics of Japanese Society of Civil Engineers (JSCE)	Oct. 1, 2001	Kyosho University, Kyosho, Japan.	Attending the discussions
8	Annual meeting of Japanese Society of Civil Engineers (JSCE)	2-4 Oct., 2001	Kyosho University, Kyosho, Japan.	Attending the discussions
9	8 <sup>th</sup> East Asia-Pacific Conference on Structural Engineering and Construction (EASEC-8)	5-7 December 2001	Nanyang Technological University, Singapore.	Presenting paper
10	Workshop on durability of reinforced concrete structures	8-9 March, 2003	Egyptian Engineers Association, Cairo-Egypt	Attending the discussions
11	1 <sup>st</sup> International Conference of Civil Engineering Science (ICCES1)	7-8 October 2003	Assiut University, Assiut, Egypt.	Presenting paper
12	The Second International Workshop on Structural Composites for Infrastructure Applications	16-18 Dec., 2003	Cairo, Egypt.	Attending the discussions



No.	Conference/symposium	Date	Place	Participation
13	International Conference on Structural & Geotechnical Engineering and Construction Technology (IC-SGECT '4 )	23-25 March 2004	Mansoura University, Egypt.	Presenting paper
14	Third Egyptian Conference on Earthquake Engineering, EGYQUAKE3	6-8 Dec., 2004	Cairo University, Egypt.	Attending the discussions
15	Eleventh International Colloquium on Structural and Geotechnical Engineering (11 <sup>th</sup> ICSGE)	17-19 May 2005	Ain Shams University, Egypt.	Presenting paper
16	First conference of Egyptian Engineers Association in Riyadh	13-15 May, 2009	Radisson Blu Hotel, Riyadh, Saudi-Arabia	Presenting paper
17	International Conference on "Technical and Sustainability in Urban Areas"	3-6 Jan., 2010	King Saud University, Riyadh	Attending the discussions
18	Second conference of Egyptian Engineers Association in Riyadh	20-21 May, 2010	Radisson Blu Hotel, Riyadh, Saudi-Arabia	Presenting paper
19	First International Conference on Architectural Heritage in Islamic Countries	23-28 May, 2010	Intercontinental Hotel, Riyadh	Attending the discussions
20	Fourth conference of Egyptian Engineers Association in Riyadh	31 May-1 June, 2012	Radisson Blu Hotel, Riyadh, Saudi-Arabia	Presenting paper
21	Water and acoustic insulation systems: Description and Application	16 April, 2013	Holiday Inn Hotel, Riyadh	Attending the discussions
22	Symposium and Exhibition of quality control Labs in Structural projects	21-23 April, 2013	The Ministry of Municipal and Rural Affairs in Riyadh	Attending the discussions
23	Fifth conference of Egyptian Engineers Association in Riyadh	15-17 May, 2013	Radisson Blu Hotel, Riyadh, Saudi-Arabia	Presenting paper
24	Sixth conference of Egyptian Engineers Association in Riyadh	9-10 May, 2014	Radisson Blu Hotel, Riyadh, Saudi-Arabia	Presenting paper
25	<i>Second International Conference on Bridge Testing, Monitoring &amp; Assessment</i>	Dec., 2015	Cairo, Egypt.	Presenting paper
26	<i>Eurocodes and Egyptian Codes of Practice: Code and Design Experiences</i>	Oct., 2017	Cairo, Egypt.	Attending the discussions
27	<i>2nd International Conference on Civil Engineering: "Recent Applications and Future Challenges" ICCE2021</i>	30 October to 2 Nov. 2021	Hurghada, Egypt	General Secretary of the conference
28	<i>3rd International Conference on Civil Engineering: "Development and Sustainability" ICCE2023</i>	24-27 October 2023	Hurghada, Egypt	Scientific Chairman of the conference





## 15. Membership of local, regional and international professional institutions

Name of organization/academic Institution	Membership period		Nature of membership
	From	To	
Permanent Scientific Committee for Structural Engineering and Construction to promote professors and associate professors	2014	Till now	Revision and evaluation of researches.
Egyptian Engineering Syndicate	1990	Till now	Participation in activities
JSCE (Japanese Society of Civil Engineering)	1999	2002	Participation in activities
Research and consultant engineering centre, Faculty of Engineering, Assiut University	2002	2005	Design, supervision, repair and strengthening of civil structures
	Aug. 2014	Till now	
Egyptian Engineers Association in Riyadh, Saudi-Arabia	2008	2014	Participation in lectures, symposiums, and other activities

## 16. Honors: (Names and dates of professional honors, awards, fellowships and scholarships)

Names	Dates
B. Sc. with honour degree from Assiut University	1989
M. Sc. with honour degree from Assiut University	1994
Certificate of TOEFL Exam in the American University in Cairo	1997
Egyptian scholarship for Ph. D. study	1999
The best presentation in the International Summer Symposium in Japan	2001
ICDL (International Computer Driving Licence) Assiut University Branch of UNESCO	2004
The best presentation in the 4 <sup>th</sup> conference of Egyptian engineers in Riyadh, Saudi-Arabia.	2012
Certificate of completion with DISTINCTION, Full and active completion of the programme "2020 Teaching Excellence in Engineering Education". From ASEE (American Society for Engineering Education).	2021



### **17. Training courses for languages and computer:**

- 1) Advanced level of English language, British council, Assiut University, February 1992.
- 2) Microsoft Office, Windows and Internet in 1998.
- 3) Japanese language (reading, writing, and speaking) in 1999.

### **18. Faculty and Leadership Development Centre:**

- 1) Attendance of thirteen training courses in Faculty and Leadership Development Centre, Assiut University, from 1997 to 2011.
- 2) These courses include: students' evaluation, research activities, remote teaching, organizing conferences, developing management skills, strategic planning, credit hour system, Ethics of Scientific Research, ...etc.

### **19. Languages**

Language proficiency	Reading			Writing			Conversation		
	Excellent	Good	Average	Excellent	Good	Average	Excellent	Good	Average
Arabic	√			√			√		
English	√			√			√		
Other ( Japanese )		√				√			√
(French)		√				√			√

### **20. Computer Programs and Software:**

- Professional in using Windows systems and Microsoft Office to up-to-date versions.
- Professional in using Structural Analysis Programs: Marc/Mentat, SAP2000 and ETABS programs.
- Good in using Surfer, AutoCAD, MATLAB, and MATHEMATICA programs.



## **21. Training courses, lectures, seminars:**

Nature of Service/Activity	Topic	Place	Date
Lectures, theoretical background and applications	How to use the Structural Analysis Program SAP2000	Centre of training for Civil Engineers in Qena, Egypt	Feb. 2004
Lecture	Common mistakes in buildings construction	Educational Buildings Authority, Assiut Branch	May 2004



## **22. Community Services:**

### **Consultation Services:**

#### **Consultant engineer for Design of Concrete Structures**

##### **22.1 An engineering counselor for general administration of projects and maintenance at Al-Jouf University, (2008-2014).**

**Supervision of implementation of Al-Jouf University projects – Saudi Arabia - with approximate cost of 4 billion SR, as follows:**

- Revision of structural drawings for more than 30 big projects of Al-Jouf University.
- Vice-president of the "Technical committee to study the proposals in general tenders", 40 reports per year.
- Development of the master plan of Al-Jouf University.
- Follow up of the implementation of some urgent projects for Al-Jouf University.
- Follow up of the rehabilitation of some projects for Al-Jouf University.
- Revision/preparation of Bid requirements and specifications for the university projects.
- Technical and language revision of design criteria for 14 projects.
- Revision/preparation of booklets regarding achievements of general administration of projects and maintenance.

##### **22.2 A member of the "Research and Engineering Consultants Centre", Faculty of Engineering, Assiut University, (2002-2005)-(2014-now).**

- Design of some reinforced concrete and steel structures.
- Revision of structural drawings of big projects.
- Technical reports of non-destructive tests of many reinforced concrete structures.
- Analysis of quality control tests on: RC cubes and cores, steel, aggregate, sand, cement and design of concrete mixes.
- Technical reports for repairing, rehabilitation and strengthening of reinforced concrete structures.



### **23. Participation in Quality Assurance and Accreditation of Education:**

- 1) Team leader for evaluation and accreditation of Architectural and Construction Engineering Programs, Faculty of Engineering, Faros University, from 18 to 20 February 2024.
- 2) Team leader for evaluation and accreditation of Civil and Architectural Engineering Programs, Faculty of Engineering, Menoufia University, from 14 to 16 November 2023.
- 3) Member of the team for evaluation and accreditation of Civil Engineering programs package of four programs at the Faculty of Engineering, Cairo University, from 16 to 18 February 2020. The programs are:
  - Civil Engineering.
  - Construction engineering management.
  - Structural engineering.
  - Water and environmental engineering.
- 4) Member of the Team for evaluation and accreditation of Building Engineering Program, Faculty of Engineering, Ain Shams University, from 10 to 17 June 2021.
- 5) Member of the Team for evaluation and accreditation of Construction and Building Engineering Program, Faculty of Engineering, Mansoura University, from 16 to 23 August 2021.
- 6) Member of the Team for evaluation and accreditation of Civil Engineering Program, Faculty of Engineering, Mansoura University, from Dec. 28, 2021 to Jan. 4, 2022.
- 7) Member of the Team for evaluation and accreditation of Civil Engineering Program, Faculty of Engineering, Ain Shams University, from March 30 to April 11, 2022.
- 8) Member of the Team for evaluation and accreditation of Civil Engineering Program, Faculty of Engineering, Zagazig University, from June 13 to June 14, 2022.
- 9) Member of the team for re-evaluation and accreditation of Civil Engineering program (Structural engineering) at the Faculty of Engineering, Cairo University, from 16 to 17 August 2022.
- 10) Member of the simulated visit team for evaluation and accreditation of the Faculty of Dentistry, Assiut University, from 25 to 27 Oct. 2022.
- 11) Member of the team for evaluation and accreditation of Construction Sites Engineering and Management program at the Faculty of Engineering at Shoubra, Benha University, from 28 Feb., to 1 March 2023.
- 12) Member of the Team for evaluation of new Bylaw of Faculty of Engineering, Banha University (Banha & Shobra), according to 2020 rules and NARS2018.
- 13) An external reviewer for the construction engineering program - Faculty of Engineering - Port Said University.
- 14) An external reviewer for the construction and building engineering program - Faculty of Engineering - 6th of October University.
- 15) External reviewer for the Civil Engineering Program - Media Engineering Division - International Academy of Engineering and Media Sciences.



- 16) An external reviewer for the Civil Engineering Program - Minia University.
- 17) An external reviewer for the civil engineering program - The High Institute of Engineering and Technology in New Minya City.
- 18) An external reviewer for the structural engineering program - Badr University at Cairo.
- 19) Six certificates from the National Authority for Quality Assurance and Accreditation of Education (NAQAAE).
- 20) Quality Coordinator for the Construction Engineering and Project Management Program - Faculty of Engineering - Assiut University from 2016-2018.
- 21) Quality Coordinator for the Civil Engineering Program, Faculty of Engineering, Assiut University, 2003-2004.
- 22) General Coordinator of the Construction Engineering and Project Management Program - Faculty of Engineering - Assiut University from 2018 to 2022.

**Prof. Dr. Eng. Mohamed Abdel-Basset Abdo**

**April 2024**