M.Sc. Theses:

1. Nasralla, H.G.Z. (2004), "Effect of cracks on structural steel elements." M.Sc. Thesis, Structural Engineering Department, Cairo University. (Co-supervisor: Prof. Dr. O.M.O. Ramadan)

2. Sobhy, B.M. (2007), "A comparative study for three-dimensional modeling and design-oriented seismic analysis of mid-rise flat slab buildings." M.Sc. Thesis, Structural Engineering Department, Cairo University. (Co-supervisor: Prof. Dr. M.M. Bakhoum)

3. Youssef, M.F. (2008), "A computational investigation for the optimum shape of steel barriers under blast loading." M.Sc. Thesis, Structural Engineering Department, Cairo University. (Co-supervisor: Prof. Dr. A.S. Gendy)

4. Mostafa, A. (2009), "Revisiting the accidental eccentricity provision in seismic design codes." M.Sc. Thesis, Structural Engineering Department, Cairo University. (Co-supervisor: Prof. Dr. O.M.O. Ramadan)

5. Hassan, Y.M. (2009), "Performance of low-rise steel moment resisting frames under incrementally increasing lateral loads." M.Sc. Thesis, Structural Engineering Department, Cairo University. (Co-supervisors: Prof. Dr. S.A. Mourad and Prof. Dr. A.G. El Attar)

6. El Howary, H.A.M. (2010), "A probabilistic framework for assessing seismic performance of reinforced concrete moment frame buildings in moderate seismic zones." M.Sc. Thesis, Structural Engineering Department, Cairo University.

7. Siam, A.S. (2011), "Direct analysis method versus traditional method – a comparative study applied to skeletal steel structures." M.Sc. Thesis, Structural Engineering Department, Cairo University. (Co-supervisor: Prof. Dr. S.A. Mourad)

8. Kaisser, N.M. (2011), "Scaling of earthquake ground motion records for seismic analysis and design of bridges." M.Sc. Thesis, Structural Engineering Department, Cairo University. (Co-supervisor: Prof. Dr. M.M. Bakhoum)

9. Soliman, A.M.M. (2011), "Comparative study on the effect of seismic and wind loads on mid-rise RC buildings including the effect of code requirements and FEM modeling assumptions." M.Sc. Thesis, Structural Engineering Department, Cairo University. (Co-supervisor: Prof. Dr. M.M. Bakhoum)

10. Hanna, J.N.M. (2011), "Boundary element analysis of flat slabs with column heads and drop panels." M.Sc. Thesis, Structural Engineering Department, Cairo University. (Co-supervisor: Prof. Dr. Y.F. Rashed)

11. Guirguis, J.E.B. (2011), "Investigating design codes criteria for regular seismic behavior of ductile bridges having unequal height piers." M.Sc. Thesis, Structural Engineering Department, Cairo University.

12. El Hozayen, A.S.M. (2013), "A probabilistic boundary element method applied to RC flat slabs with random material properties." M.Sc. Thesis, Structural Engineering Department, Cairo University. (Co-supervisor: Prof. Dr. Y.F. Rashed)

13. Farag, M.M.N. (2013), "Inelastic seismic response of bridges with a buffer-gap-elastomeric bearing system." M.Sc. Thesis, Structural Engineering Department, Cairo University. (Co-supervisor: Prof. Dr. M.M. Bakhoum)

14. Mobasher, M.E.A. (2013), "A coupled stiffness-BEM pushover lateral analysis of tall buildings." M.Sc. Thesis, Structural Engineering Department, Cairo University. (Co-supervisors: Prof. Dr. Y.F. Rashed – Cairo University and Prof. Dr. M. Papadrakakis – National Technical University of Athens)

15. Abdel Tawab, S.S.A. (2013), "Transverse analysis of single vent concrete box girder bridges subjected to AASHTO-LRFD live loads." M.Sc. Thesis, Structural Engineering Department, Cairo University. (Co-supervisor: Dr. E.F. Ayoub)

16. Youssef, D.M.A. (2015), "Effect of reducing concrete shrinkage on the axial capacity of CFT composite columns." M.Sc. Thesis, Structural Engineering Department, Cairo University. (Co-supervisors: Prof. Dr. O.M.O. Ramadan and Dr. H. Ramadan)

17. Mahmoud, M.S.A. (2015), "Comparison Study on the effect of Gravity and Seismic Load on mid-rise RC Buildings according to Seismic Design Requirements of Eurocode 8." M.Sc. Thesis, Structural Engineering Department, Cairo University. (Co-supervisors: Prof. Dr. M.M. Bakhoum and Prof. Dr. A.A. Zaghou)

18. Sharaf, S.A. (2015), "Boundary element analysis of piled cap foundations considering correlated random pile misalignments." M.Sc. Thesis, Structural Engineering Department, Cairo University. (Co-supervisor: Prof. Dr. Y.F. Rashed)

19. Ishak, M.G. (2016), "Effects of unequal height piers and pier to deck connections on the uniformity of seismic behavior and inherent strength of apparently irregular bridges." M.Sc. Thesis, Structural Engineering Department, Cairo University.

20. AbdelKhalek, L.E.M. (2016), "Boundary element applied to rafts on elastic half space with probabilistic properties." M.Sc. Thesis, Structural Engineering Department, Cairo University. (Co-supervisor: Prof. Dr. Y.F. Rashed)

21. Boules, Ph.E.B.F. (2017), "Investigating shear lag effects on wide U-section pre-stressed concrete light rail bridges." M.Sc. Thesis, Structural Engineering Department, Cairo University. (Co-supervisor: Prof. Dr. M.M. Bakhoum)

22. Fakhry, M.F. (2019), "Investigating seismic response of skew bridges for various permutations of geometric design parameters and abutment bearings articulations." M.Sc. Thesis, Structural Engineering Department, Cairo University. (Co-supervisor: Dr. M. ElSayed)

23. Tawadros, H.W.S. (2021), "Effect of Pile Shaft Free Length and Column-to-Piles Stiffness on the Extent and Hierarchy of Inelastic Excursions in Bridge Substructure

System due to Seismic Loading." M.Sc. Thesis, Structural Engineering Department, Cairo University. (Co-supervisor: Dr. M.M.N. Farag)

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1. Rizkalla, S.I. (2010), "Effective modulus of elasticity method for inelastic buckling in plates." Ph.D. Thesis, Structural Engineering Department, Cairo University. (Co-supervisor: Prof. Dr. W.A. Attia)

2. El Howary, H.A.M. (2014), "Bridge vulnerability due to spatially asynchronous seismic ground motions." Ph.D. Thesis, Structural Engineering Department, Cairo University. (Co-supervisor: Prof. Dr. O.M.O. Ramadan)

3. Farag, M.M.N. (2018), "A probabilistic approach for the seismic response assessment of precast beam bridges with a buffer-gap-elastomeric bearings system considering uncertainties in modeling parameters." Ph.D. Thesis, Structural Engineering Department, Cairo University. (Co-supervisor: Prof. Dr. M.M. Bakhoum – Cairo University and Dr. Dimitrios Vamvatsikos – National Technical University of Athens)

4. Kotb, A.A-M. (2019), "Seismic fragility of continuous bridges considering wave passage and soil-structure interaction effects." Ph.D. Thesis, Structural Engineering Department, Cairo University. (Co-supervisor: Prof. Dr. O.M.O. Ramadan)