

A) Published Books

1. M. Al-Abdullatif and M. Bounkhel, Elementary Mathematics for Students of Scientific Faculties, Edition King Saud University, 2014.
2. M. Bounkhel, Regularity concepts in Nonsmooth Analysis: Theory and Applications, (304 pages), 2012, Springer Optimization and its Applications, Vol. 59. <http://www.springer.com/mathematics/book/978-1-4614-1018-8>.
3. Z. Elbalkhi, L. Tadj, and M. Bounkhel, Introductory to Inventory theory (in Arabic))Textbook for 222 OR), College of Science, King Saud University, 2004.

B) Published Papers:

1. M. Bounkhel and L. Thibault, Scalarization of tangential regularity of set-valued mapping, Set- valued Analysis, 1999, 7, No.1, pp. 33-53.
2. M. Bounkhel and L. Thibault, Subdifferential regularity of directional Lipschitzian functions, Canad. Math. Bull., 2000, 43, No. 1, pp. 25-36.
3. M. Bounkhel and L. Thibault, On various notions of regularity of sets in non smooth analysis, Nonlinear Anal.: Theory, Methods and Applications, 2002, 48, No. 2, pp. 223-246.
4. M. Bounkhel and L. Thibault, Directionally pseudo-Lipschitz set-valued mappings, J. Math. Anal. Appl., 2002, 266, No. 2, pp. 269-287.
5. M. Bounkhel, On Arc-wise essentially smooth mappings between Banach space, J. Optimization, 2002, 51, No. 1, pp. 11-29.
6. M. Bounkhel and L. Thibault, Tangential regularity of Lipschitz epigraphic set-valued mappings, Optimization , pp. 69-82, Lecture Notes in Econom. and Math. Systems, Springer, Berlin, 2000, 481.
7. M. Bounkhel, On the distance function associated with a set-valued mapping, J. Nonlinear and Convex Analysis, 2001, 2, No.2, pp. 265-278.
8. M. Bounkhel, Existence results of non convex differential inclusions, Portugaliae Mathematica, 2002, 59, No. 3, pp. 283-310.
9. M. Bounkhel, General existence results for second order non convex sweeping process with unbounded perturbations, (Portugal) Port. Math. 60 (2003), no. 3, 269--304.
10. M. Bounkhel, L. Tadj, and A. Hamdi, Iterative Schemes to Solve Non convex Variational Problems, J. Ineq. Pure & Appl. Math., 2003, 4, Issue 1, Article 14.

11. Bounkhel and M. Yarou, Existence results for nonconvex sweeping processes with perturbations and with delay: Lipschitz case, Arab Journal of Mathematics, 2002, 8, No. 2, pp. 1-12.
12. S. Mecheri and M. Bounkhel, Some variants of Anderson's Inequality in C^1 -classes, J. Ineq. Pure & Appl. Math., 2003, 4, Issue 1, Article 24.
13. S. Mecheri and M. Bounkhel, Global minimum and Orthogonality in C^1 -classes, J. Math. Anal. Appl. 287 (2003), no. 1, pp. 51-60.
14. M. Bounkhel and D. Azzam, Existence results for second order nonconvex sweeping process. Set-valued analysis, Set-Valued Anal. 12 (2004), no. 3, pp. 291-318.
15. M. Bounkhel and D. Azzam, Théorèmes d'existence pour des les inclusions différentielles du second ordre, C.R.A.S., Serie I, 336, 2003, 657-659.
16. M. Bounkhel and M. Yarou, Existence results for first and second order nonconvex sweeping processes with perturbations and with delay, Port. Math, 61 (2004), no. 2, pp. 207-230.
17. M. Bounkhel, Scalarization of normal Fréchet regularity for set-valued mappings, New Zealand Journal of Mathematics, (New Zealand), 2004, 33, No. 2, pp. 129-146.
18. M. Bounkhel, Global minimum of nonlinear mappings and Orthogonality in C^1 -Classes, New Zealand Journal of Mathematics, (New Zealand), 2007, 36, pp. 147-158.
19. M. Bounkhel, Existence results for second order nonconvex sweeping processes with perturbations and with delay: Fixed point Approach, Georgian Mathematical Journal, (Georgia), 2006, 13, No. 2, pp. 239-249.
20. M. Bounkhel, On minimizing the norm of linear maps in C^p -classes, Applied Sciences (APPS), (Romania), 2006, 8, No. 1, pp. 40-47.
21. M. Bounkhel, Existence and Uniqueness of some variants of Nonconvex sweeping processes, Journal of Nonlinear and Convex Analysis, (Japan), 2007, 8, No. 2, pp. 311-323.
22. M. Bounkhel, Arc-wise essentially tangentially regular set-valued mappings, CUBO a Mathematical Journal, (Brazil), Cubo 10 (2008), no. 1, 43—66.
23. M. Bounkhel and A. Jofre, Subdifferential stability of the distance function and its applications to nonconvex economies and equilibrium, Journal of Nonlinear and Convex Analysis, (Japan), (2004), 5, No.3. pp. 331-347.
24. M. Bounkhel and J. Bounkhel, Inegalitees Variationnelles Nonconvexes, (French) [Nonconvex variational inequalities], ESAIM Control Optim. Calc. Var. (France), (2005), 11, No. 4, pp. 574-594.

25. M. Bounkhel and T. Haddad, Existence of Viable Solutions for Nonconvex differential inclusions, *Electronic Journal of Differential Equations (EJDE)*, (USA), (2005), No. 50, 10 pp.
26. M. Bounkhel and B. El-Sinan, An iterative method for nonconvex equilibrium problems, *JIPAM. J. Inequal. Pure Appl. Math. (Australia)*, (2006), 7, No. 2, Article 75, 8 pp.
27. M. Bounkhel and L. Thibault, Nonconvex sweeping process and prox-regularity in Hilbert space. *J. Nonlinear Convex Anal.*, (Japan), 2005, 6, No. 2, pp. 359-374.
28. M. Bounkhel and L. Tadj, Minimizing Energy use for road expansion in Transportation system using optimal control theory, *Appl. Math. E-Notes*, (Taiwan), 2006, 6, pp. 159-166.
29. M. Bounkhel and T. Haddad, An existence result for a New Variant of the Nonconvex Sweeping Process, *Portugaliae Mathematica*, (Portugal), 2008, 65, Fasc. 1, 2008, pp. 33-47.
30. M. Bounkhel, L. Tadj, and R. Hedjar, , Nonlinear receding horizon control of production inventory systems with deteriorating items, *Yugoslav Journal of Operation Research (YUJOR)*, (Serbia and Montenegro), *Yugoslav Journal of Operation Research (YUJOR)*, 2008, 10, n. 8, 1-9.
31. M. Bounkhel, and L. Tadj, Optimal control of deteriorating production inventory systems, *Applied Sciences (APPS)*, (Romania), 2005, 7, pp. 30-45.
32. M. Bounkhel, L. Tadj, and Y. Benhadid, Optimal control of a production system with inventory level dependent demand, *Appl. Math. E-Notes*, (Taiwan), 2005, 5, pp. 36-43.
33. R. Hedjar, M. Bounkhel, and L. Tadj, Receding horizon control of a hybrid production system with deteriorating items, *Nonlinear Analysis*, (USA), 2005, 63, No. 3, pp. 405-422.
34. R. Hedjar, M. Bounkhel, and L. Tadj, Predictive control of periodic-review production inventory systems with deteriorating items, *TOP published by Sociedad de Estadistica e investigacion Operativa Madrid Spain* , (Spain), 2004, 12, No. 1, pp. 193-208.
35. R. Hedjar, M. Bounkhel, and L. Tadj, Self-tuning optimal control of periodic-review production inventory systems with deteriorating items, *Adv. Model. Optim. (Romania)*, 2007, 9, No. 1, pp. 91- 104.
36. L. Tadj, M. Bounkhel, and Yacine Benhadid, Optimal control of a production inventory system with deteriorating items. *International J. of Systems Science*, (United Kingdom), 2006, 37, No. 15, pp. 1111-1121.

37. Yacine Benhadid , L. Tadj, and M. Bounkhel, Optimal control of production inventory systems with deteriorating items and dynamic costs. *Appl. Math. E-Notes*, (Taiwan), 2008, 8, pp. 194-202.
38. M. Bounkhel and L. Tadj, Optimal design of a bilk service queue, *Investigacao Operacional*, Publication of the APDIO - Associação Portuguesa de Investigação Operacional, (Portugal), 2008., Vol. 26, pp. 157-164.
39. M. Bounkhel and R. Al-Yusof, First and Second Order Sweeping Processes in Reflexive Smooth Banach spaces , *Set-Valued Var. Analysis*, Vol. 18, No. 2, 151-182, 2010
40. M. Bounkhel and B. R. Al-Senan, General existence results for nonconvex third order differential inclusions, *Electronic Journal of Qualitative Theory and Differential Equations*, No. 21, 10 pp., 2010.
41. M. Bounkhel and R. Al-Yusof, Proximal Analysis in reflexive smooth Banach spaces, *Nonlinear Analysis Theory, Methods & Applications*, Vol. 73, Issue 7, 1921-1939, 2010.
42. Zhe G. Zhang, L. Tadj, and M. Bounkhel, Cost Evaluation in M/G/1 Queue with T-Policy Revisited, *EJOR European Journal of Operation Research*, 214 (2011), pp. 814-817.
43. M. Bounkhel and C. Castaing, State dependent Sweeping process in reflexive smooth Banach spaces. *Set-valued and Variational Analysis*, Jun2012, Vol. 20 Issue 2, pp. 187-201.
44. M. Bounkhel, Implicit differential inclusions in reflexive smooth Banach spaces, accepted 10 March 2011, *Proceedings of the American Mathematical Society*, Aug2012, Vol. 140 Issue 8, pp. 2767-2782.
45. M. Bounkhel, Existence of Solutions for convex sweeping processes in p-uniformly smooth and q- uniformly convex Banach spaces, *Electronic Journal of Differential Equations*, 2012, Vol. 2012, pp.
46. M. Bounkhel, Existence results for second order convex sweeping processes in p-uniformly smooth and q-uniformly convex Banach spaces, *E. J. Qualitative Theory of Diff. Equ.*, No. 27 (2012), pp. 1-
47. M. Bounkhel and B. R. Al-Senan, Proximal Subdifferentials in L_p -spaces and Applications to Variational Problems, *Journal of Nonlinear and convex analysis*, 2012, Vol. 13 Issue 2 pp. 293-312.
48. M. Bounkhel and B. R. Al-Senan, Implicit second order differential inclusions in reflexive smooth Banach spaces, *Set-Valued and Variational Analysis*, Mar 2013, Vol. 21 Issue 1, p1-16.

49. M. Bounkhel and B. R. Al-Senan, General existence results for third order nonconvex state dependent sweeping processes with unbounded perturbations, *Journal of Applied Mathematics* 2012. pp. 1-17.
50. M. Bounkhel, Directional Lipschitzness of minimal time functions in Hausdorff topological vector spaces, *SVAA*, 2013, DOI 10.1007/s11228-013-0247-
51. M. Bounkhel , On subdifferentials of a minimal time function in Hausdorff topological vector spaces, 2013, *Applicable Analysis: An International Journal*, DOI: 10.1080/00036811.2013.848271
52. M. Bounkhel, Subdifferential properties of minimal time functions associated with set-valued mappings with closed convex graphs in Hausdorff topological vector spaces, *Journal of functions spaces and Applications*, 2013. <http://www.hindawi.com/journals/jfsa/aip/707603/>
53. M. Bounkhel, Existence of solutions for differential inclusions with nonlinear growth conditions in Banach spaces, *The Scientific World Journal* 2013, Article number 591620.
54. M. Bounkhel and C. Li, Frechet and proximal regularities of perturbed distance functions at points in the target set in Banach spaces, *JNCA*, Vol. 15, No. 6, 1331-1347, 2014.
55. M. Bounkhel and R. Hedjar, Real-time obstacle avoidance for a swarm of autonomous mobile robots, *International Journal of Advanced Robotic Systems*, April 2014, 11:67. doi: 10.5772/58478.
56. M. Bounkhel, On subdifferentials of a minimal time function at points outside the target in Hausdorff topological vector spaces, *Journal of Convex Analysis*, Vol. 22, No. 2, 2015.
57. M. Bounkhel and C. Li, Subdifferential regularities of perturbed distance functions outside the target set in Banach spaces, *Nonlinear Analysis*, 173-188, 2014.
58. M. Bounkhel and L. Tadj, Optimal harvesting effort for nonlinear predictive control model for a single species fishery, *Mathematical Problems in Engineering*, Volume 2015, Article ID 367593, 8 pages, February 2015.
59. M. Bounkhel, Iterative Methods for nonconvex equilibrium problems in uniformly convex and uniformly smooth Banach spaces, *Journal of functions spaces*, Volume 2015, Article ID 346830, 18 pages March 2015.