

## BIBLIOGRAPHY

- [1] Alias B. Khalaf and Sarhad F. Namiq (2012), Generalized  $\lambda$ -Closed Sets and  $(\lambda, \gamma)^*$ -Continuous Functions, *International Journal of Scientific and Engineering Research*, 3 (12), 1-6.
- [2] Amutha, G. and Dhana Balan, A. P. (2021),  $\Lambda_{rS}$ -Open Sets and  $\Lambda_{rS}$ -Closed Sets in Topological Spaces, *J. Math. Comput. Sci.* 11 (6), 8323 -8341.
- [3] Arockiarani, I. (1997), Studies on Generalizations of Generalized Closed Sets and Maps in Topological Spaces, *Ph.D Thesis*, Bharathiar University, Coimbatore.
- [4] Arya, S. P. and Gupta, R. (1974), On Strongly Continuous Mappings, *Kyungpook Math. J.*, 14, 131-143.
- [5] Azzam, A. A. and Nasef, A. A. (2020), Some Topological Notations via Maki's  $\Lambda$ -Sets, *Hindawi Complexity*, 2020 (1070), 1-8.
- [6] Bai, S. Z. and Zuo, Y. P. (2011), On  $g$ - $\alpha$ -Irresolute Functions, *Acta Math. Hungar.*, 130 (4), 382–389.
- [7] Baker, C. W. (1997), Contra-Open and Contra-Closed Functions, *Mathematics Today (Ahmedabad)*, 15, 19-24.
- [8] Balachandran, K., Sundaram, P. and Maki, H. (1991), On Generalized Continuous Maps in Topological Spaces, *Mem. Fac. Sci. Kochi Univ. (Math.)*, 12, 5-13.
- [9] Balamani, N. (2020 a), More on  $g^{**}\Lambda$ -Closed Sets in Topological Spaces, *Journal of Shanghai Jiaotong University*, 16 (12), 200-206.
- [10] Balamani, N. (2020 b),  $g^{**}\Lambda$ -Closed Sets in Topological Spaces, *Waffen-Und Kostumkunde Journal*, XI (XII), 1-7.
- [11] Balamani, N. and Parvathi, A. (2017), On Topological  $\psi^*\alpha$ -Quotient Mappings, *Int. J. of Math. Trends and Tech.*, 48 (3) 209–213.
- [12] Caldas, M. and Dontchev, J. (2000),  $G.\Lambda_S$ -sets and  $G.V_S$ -sets, *Mem. Fac. Sci. Kochi. Univer. (Math.)*, 21, 21-30.

- 
- [13] Caldas, M. and Jafari, S. (2005), On Some Low Separation Axioms via  $\lambda$ -Open and  $\lambda$ -Closure Operator. *Rend. Circ. Mat. Palermo*, 54 (2), 195-208.
- [14] Caldas, M. (2000), Weak and Strong Forms of Irresolute Map, *Internat. J. Math. and Math. Sci.*, 23 (4), 253–259.
- [15] Caldas, M., Ekici, E., Jafari, S. and Noiri, T. (2006 a), On the Class of Contra  $\lambda$ -Continuous Functions, *Ann. Univ. Sci. Budapest. Sec. Math.*, 49, 75-86.
- [16] Caldas, M., Ganster, M., Jafari, S. and Noiri, T. (2003), On  $\Lambda_p$ -sets and functions, *Mem. Fac. Sci. Kochi Univ. Math.*, 25, 1-8.
- [17] Caldas, M., Georgiou, D. N. and Jafari, S. (2007 a), Study of  $(\Lambda, \alpha)$ -Closed Sets and the Related Notions in Topological Spaces, *Bull. Malays. Math. Sci. Soc.* (2), 30 (1), 23-36.
- [18] Caldas, M., Jafari, S. and Navalagi, T. (2007 b), More on  $\lambda$ -Closed Sets in Topological Spaces, *Revista Colombiana de Mathematics*, 41 (2), 355-369.
- [19] Caldas, M., Jafari, S. and Noiri, T. (2006 b), On  $\Lambda_p$ -Sets and the Associated Topology  $\tau^{\Lambda b}$ , *Acta Mathematica Hungarica*, 110 (4), 337-345.
- [20] Caldas, M., Jafari, S. and Noiri, T. (2008 a), On  $\Lambda$ -Generalised Closed Sets in Topological Spaces, *Acta Math. Hungar.*, 118 (4), 337-343.
- [21] Caldas, M., Jafari, S., Noiri, T. and Simeos, M. (2007 c), New Generalization of Contra-Continuity via Levine's  $g$ -Closed Sets, *Chaos, Solitons and Fractals*, 32 (4), 1597-1603.
- [22] Caldas, M., Jafari, S., Rajesh, N. and Thivagar, M. L. (2009), On  $\tilde{g}$ -Homeomorphisms in Topological Spaces, *Proyecciones Journal of Mathematics*, 28 (1), 1-19.
- [23] Caldas, M., Lellis Thivagar, M. and Raja Rajeswari, R. (2008 b), A Note on Bi-Contra-Continuous Maps, *Divulgaciones Matematicas*, 16 (2), 249–258.
- [24] Chawalit Boonpok (2017), Generalized  $(\Lambda, b)$ -Closed Sets in Topological Spaces, *Korean J. Math.* 25 (3), 437-453.
- [25] Chawalit Boonpok (2020),  $(\Lambda, sp)$ -Closed Sets and Related Topics in Topological Spaces, *Wseas Transactions on Mathematics*, 19, 312-322.

- 
- [26] Chawalit Boonpok and Chokchai Viriyapong (2022), On  $(\Lambda, p)$ -Closed Sets and the Related Notions in Topological Spaces, *European Journal of Pure and Applied Mathematics*, 15 (2), 415-436.
- [27] Chawalit Boonpok and Jeeranunt Khampakdee (2022),  $(\Lambda, sp)$ -open sets in Topological Spaces, *European Journal of Pure and Applied Mathematics*, 15 (2), 572-588.
- [28] Chidanand Badiger, Venkatesh, T. and Basayya B. Mathad (2020), Regular Weakly Quotient Map and Space, *Malaya Journal of Matematik*, S (1), 115–120.
- [29] Crossley, S. G. and Hildebrand S. K. (1972), Semi Topological Properties, *Fund. Math*, 74, 233-254.
- [30] Delcia, T. and Punitha Tharani A. (2021), On  $g^*\alpha$ -Homeomorphism in Topological Spaces, *Advances and Applications in Mathematical Sciences*, 20 (8), 1433-1440.
- [31] Devamanoharan, C., Pious Missier, S. and Jafari, S. (2013), On  $\rho$ -Homeomorphisms in Topological Spaces, *Italian Journal of Pure and Applied Mathematics*, 30, 195-214.
- [32] Devi, R. and Parimala, M. (2009), On Quasi  $\alpha\psi$ -Open Functions in Topological Spaces, *Applied Mathematical Sciences*, 3 (58), 2881-2886.
- [33] Devi, R., Balachandran, K. and Maki, H. (1997), On Generalized  $\alpha$ -Continuous Maps and  $\alpha$ -Generalized Continuous Maps, *Far. East J. Math. Sci.*, Special Volume, Part I, 1-15.
- [34] Devi, R., Balachandran, K. and Maki, H. (1998), Generalized  $\alpha$ -Closed Maps and  $\alpha$ -Generalized Closed Maps, *Indian J. Pure. Appl. Math.*, 29 (1), 37-49.
- [35] Devi, R., Maki, H. and Balachandran, K. (1993), Semi Generalized Closed Maps and Generalized Semi Closed Maps, *Kochi Journal of Mathematics*, 14, 41-54.
- [36] Dontchev, J. and Noiri, T. (1999), Contra-Semi Continuous Functions, *Math Pannonica*, 10 (2), 159-168.

- 
- [37] Dontchev, J. (1995), On Door Spaces, *Indian J. Pure Appl. Math*, 26 (9), 873-881.
- [38] Dontchev, J. (1996), Contra-Continuous Functions and Strongly S-Closed Spaces, *Internat. J. Math. and Math. Sci*, 19 (2), 303-310.
- [39] Dunham, W. (1977),  $T_{1/2}$ -Spaces, *Kyungpook Math. J.*, 17, 161-169.
- [40] Dunya Mohammed Hamed and Bushra Jaralla Tawfeeq (2013), On Regular Generalized  $\alpha$ -Quotient Mappings in Topological Spaces, *Al-Qadisiya Journal for Science*, 4 (4), 126-138.
- [41] Francisco G Arenas, Julian Dontchev and Maximillian Ganster (1997), On  $\lambda$ -sets and the dual of generalized continuity, *Questions answers Gen. Topology*, 15, 3-13.
- [42] Ganster, M. and Reilly, I. L. (1989), Locally Closed Sets and LC-Continuous Functions, *Int. J. Math. and Math. Sci.*, 12(3), 417-424.
- [43] Georgiou, D. N., Jafari, S. and Noiri, T. (2004), Properties of  $(\Lambda, \delta)$ -Closed Sets in Topological Spaces, *Bollettino dell'Unione Matematica Italiana*, Series 8, 7-B, 745-756.
- [44] Gilbert Rani, M. and Pious Missier, S. (2011), On  $\Lambda^\lambda$ -Homeomorphisms in Topological Spaces, *Journal of Mathematical Sciences & Computer Applications*, 1 (2), 56-71.
- [45] Gilbert Rani, M., Pious Missier, S. and Jafari, S. (2011), On  $\Lambda^\lambda$ -Closed Sets in Topological Spaces, *Journal of Advanced Studies in Topology*, 2 (2), 7-15.
- [46] Govindappa Navalagi (2011), Quasi  $\alpha$ -Closed, Strongly  $\alpha$ -Closed and Weakly  $\alpha$ -Irresolute Functions, *Int. Jour. of General Topology*, 4 (1-2), 49-55.
- [47] Hausdorff, F. (1978), Set theory, *Chelsea, Reprint* (Translated from German).
- [48] Jain, R. C. (1980), The Role of Regularly Open Sets in General Topological Spaces, *Ph.D. Thesis*, Meerut University, Institute of advanced Studies, Meerut-India.

- 
- [49] Jeyanthi, M. J., Adem Kilicman, Pious Missier, S. and Thangavelu, P. (2011),  $\Lambda_r$ -sets and Separation Axioms, *Malaysian Journal of Mathematical Sciences*, 5 (1), 45-60.
- [50] Khalaf, A. B. and Namiq, S. F. (2013),  $\lambda_c$ -Open sets and  $\lambda_c$ -Separation Axioms in Topological Spaces, *Journal of Advanced Studies in Topology*, 4 (1), 150-159.
- [51] Lellis Thivagar, M and Nirmala Rebecca Paul (2010), On Topological  $\tilde{g}_\alpha$ -Quotient Mappings, *Journal of Advanced Studies in Topology*, 1, 9-16.
- [52] Lellis Thivagar, M. (1991), A Note on quotient mappings, *Bull. Malaysian Math. Sci. Second series*, 14, 21–30.
- [53] Lellis Thivagar, M., Saeid Jafari and Sutha Devi, V. (2017), On New Class of Contra Continuity in Nano Topology, *Italian Journal of Pure and Applied Mathematics*, 43, 1-12.
- [54] Levine, N. (1960), Strong Continuity in Topological Spaces, *Amer. Math. Monthly*, 67, 269-275.
- [55] Levine, N. (1963), Semi-Open Sets and Semi-Continuity in Topological Spaces, *Amer. Math. Monthly*, 70, 36-41.
- [56] Levine, N. (1970), Generalized Closed Sets in Topology, *Rend. Cir. Math. Palermo*, 19, 89-96.
- [57] Maheshwari, S. N. and Thakur, S. S. (1980), On  $\alpha$ -Irresolute Maps, *Tamkang J. Math.*, 11, 209-214.
- [58] Maki, H. (1986), Generalized  $\Lambda$ -Sets and the Associated Closure Operator, *Special Issue in Commemoration of Prof. Kazuasada Ikeda's Retirement*, 139-146.
- [59] Maki, H., Devi, R. and Balachandran, K. (1993), Generalized  $\alpha$ -Closed Sets in Topology, *Bull. Fukuoka Univ. Ed. Part III.*, 42, 13-21.
- [60] Maki, H., Devi, R. and Balachandran, K. (1994), Associated Topologies of Generalized  $\alpha$ -Closed Sets and  $\alpha$ -Generalized Closed Sets, *Mem. Fac. Sci. Kochi. Univ. Series A. Math.*, 15, 51-63.

- 
- [61] Maki, H., Sundaram, P. and Balachandran, K. (1991), Generalized Homeomorphisms in Topological Spaces, *Bulletin of Fukuoka University of Education*, 40, Part-III, 13-21.
- [62] Malghan, S. R. (1982), Generalized Closed Maps, *J. Karnataka Univ. Sci.*, 27, 82-88.
- [63] Mashhour, A. S., Hasanein, I. A. and EI-Deeb, S. N. (1983),  $\alpha$ -Continuous and  $\alpha$ -Open Mappings, *Acta. Math. Hungarica*, 41, 213-218.
- [64] Matheswaran, M. and Rajakumar, S. (2019), Some Properties of Generalized Star Semi  $\Lambda$ -Closed sets in Topological Spaces, *International Journal of Engineering and Advanced Technology*, 9 (1S4), 995-998.
- [65] Meenakshi, P. L. (2020), Analysis of Some Generalized Closed Sets using  $\eta^*$ -Closure Operator, *Ph.D. Thesis*, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore.
- [66] Meenakshi, P. L. and Sivakamasundari, N. (2019),  $J$ -Closed Sets in Topological Spaces, *Journal of Emerging Technologies and Innovative Research*, 6 (5), 193-201.
- [67] Meenakshi, P. L. and Sivakamasundari, N. (2020),  $J^{**}$ -Closed Sets in Topological Spaces, *Malaya Journal of Matematik*, 5 (1), 206-213.
- [68] Munkres, J. R., *Topology, A first Course*, Fourteenth Indian Reprint.
- [69] Munshi, B. M. and Bassan, D. S. (1982), Super-Continuous Mappings, *Indian J. Pure Appl. Math.*, 13, 229-236.
- [70] Murugavalli, N. and Pushpalatha, A. (2016), On  $g\lambda$ -Homeomorphisms in Topological Spaces, *Global Journal of Pure and Applied Mathematics (GJPAM)*, 12 (2), 174-181.
- [71] Nagaveni, N. (1999), Studies on Generalizations of Homeomorphisms in Topological Spaces, *Ph.D. Thesis*, Bharathiar University, Coimbatore.
- [72] Neiminen, T. (1977), On Ultrapseudocompact and Related Spaces, *Ann. Acad. Sci. Fenn. Ser. A, I. Math.*, 3, 185-205.

- 
- [73] Njastad, O. (1965), On Some Classes of Nearly Open Sets, *Pacific Journal of Mathematics*, 15 (3), 961-970.
- [74] Noiri, T. (1984), Super Continuity and Some Strong Forms of Continuity, *Indian J. Pure and Appl. Math.*, 15 (3), 241-250.
- [75] Noiri, T. (2003), Weak and Strong Forms of  $\beta$ -irresolute Functions, *Acta Mathematica Hungarica*, 99 (4), 315-328.
- [76] Noiri, T. and Hatir, E. (2004),  $\Lambda_{sp}$ -Sets and Some Weak Separation Axioms, *Acta Mathematica Hungarica*, 103 (3), 225-232.
- [77] Ochanathevar Ravi, Ilangovan Rajasekaran, Annamalai Thiripuram and Raghavan Asokan (2015),  $\Lambda_g$ -closed sets in Ideal Topological Spaces, *Journal of New Theory*, 8, 67-72.
- [78] Padma, P., Ramya, V. and Udayakumar, S. (2015), On  $Q^*$  - Homeomorphisms in Topological Spaces, *International Journal for Research in Applied Science & Engineering Technology*, 3 (5), 398-404.
- [79] Parveen Banu, A. and Mohamed Sheriff, M. (2019), Decompositions of Topological Sets, *International Research Journal of Engineering Sciences*, 5 (1), 107-112.
- [80] Pious Missier, S. and Anto, M. (2015),  $\hat{g}^*$ s-Continuous Maps in Topological Spaces, *International Journal of Current Research*, 7 (11), 23251 -23256.
- [81] Pious Missier, S. and Vijilius Helena Raj (2012 a),  $g_s\Lambda$ -Closed Sets in Topological Spaces, *International journal of General Topology*, 5 (1-2), 33-44.
- [82] Pious Missier, S. and Vijilius Helena Raj (2012 b),  $g^*\Lambda$ -Closed Sets in Topological Spaces, *Int. J. Contemp. Math. Sciences*, 7 (20), 963-974.
- [83] Pious Missier, S. and Vijilius Helena Raj (2013),  $g_s\Lambda$ -Continuous Functions in Topological Spaces, *ISRN Geometry*, 2013, Article Id 787014, 1-7.
- [84] Punitha Tharani, A. and Delcia, T. (2017),  $g^*\alpha$ -Closed Sets in Topological Spaces, *International Journal of Mathematical Archieve*, 8 (10), 71-80.
- [85] Pushpalatha, A. (2000), Studies on Generalizations of Mappings in Topological Spaces, *Ph.D. Thesis*, Bharathiar University, Coimbatore.

- 
- [86] Ratnesh Kumar Saraf and Miguel Caldas (2007), Between Closed Maps and  $g$ -Closed Maps, *Bulletin of the Greek Mathematical Society*, 53, 135-146.
- [87] Ravi, O., Ganesan, S. and Balakrishnan, M. (2011), On  $\alpha$ gs-Quotient Mappings in Topological Spaces, *Int. Journal of Advances in Pure and Applied Math.*, 1 (1), 16 -31.
- [88] Saeid Jafari and Takashi Noiri (2001), Contra  $\alpha$ -Continuous Functions between Topological Spaces, *Iranian International Journal of Science*, 2(2), 153-168.
- [89] Saeid Jafari and Takashi Noiri (2002), Contra-Pre Continuous Functions, *Bull. Malaysian Math. Sc. Soc, Second Series*, 25, 115-128.
- [90] Saeid Jafari, Lellis Thivagar, M. and Nirmala Rebecca Paul (2010), Remarks on  $\tilde{g}_\alpha$ -Closed Sets in Topological Spaces, *International Mathematical Forum*, 5 (24), 1167-1178.
- [91] Sarhad F. Namiq (2017 a), Contra  $(\lambda, \gamma)^*$ -Continuous Functions, *Journal of Garmian University*, 4(ICBS Conference), 86-103.
- [92] Sarhad F. Namiq (2017 b), Generalized  $\lambda_c$ -Open Set, *International Journal of Scientific and Engineering Research*, 8 (6), 2161 – 2174.
- [93] Sheik John, M. (2002), A Study on Generalizations of Closed Sets on Continuous Maps in Topological and Bitopological Spaces, *Ph.D Thesis*, Bharathiar University, Coimbatore.
- [94] Shyamapada Modak and Jiarul Hoque (2022), Mathematical Structures via  $b$ -Open Sets, *Transactions of A. Razmadze Math mathematical Institute*, 176 (1), 73-81.
- [95] Shyamapada Modak and Takashi Noiri (2019), Some Generalizations of Locally Closed Sets, *Iranian Journal of Mathematical Sciences and Informatics*, 14 (1), 159-165.
- [96] Stone, M. (1937), Applications of the Theory of Boolean Rings to General Topology, *Trans. Amer. Math. Soc.*, 41, 374 - 481.
- [97] Sundaram, P. (1991) Studies on Generalizations of Continuous Maps in Topological Spaces, *Ph.D, Thesis*, Bharathiar University, Coimbatore.

- 
- [98] Thivagar, M. L. (1991), Generalization of Pairwise  $\alpha$ -Continuous Functions, *Pure and Applied Mathe. Sci.*, XXXIII (1-2), 53-63.
- [99] Umadevi I. Neeli (2012), Some Advanced Topics in Topological Spaces, *Ph.D. Thesis*, Karnatak University.
- [100] Vadivel, A. and Vairamanickam K. (2010),  $rg\alpha$ -Closed and  $rg\alpha$ -Open Maps in Topological Spaces, *Int. Journal of Math. Analysis*, 4 (10), 453-468.
- [101] Veera Kumar, M. K. R. S. (2000), Between Closed Sets and  $g$ -Closed Sets, *Mem. Fac. Sci. Kochi Univ. Ser. A (Math.)*, 21, 1-19.
- [102] Viilius Helena Raj and Srinivasa, G. (2017), Studies on Generalized Unstable Functions in Topological Spaces, *International Journal of Research – Granthaalayah*, 5 (4), 45-51.
- [103] Vijilius Helena Raj (2017), Specific Study on Generalized Irresolute Function in Topological Spaces, *Indian Journal of Applied Research*, 7 (7), 572 -573.
- [104] Vijilius Helena Raj and Pious Missier, S. (2012),  $gs\Lambda$ -Closed and Open Functions in Topological Spaces, *South Asian Journal of Mathematics*, 2(5), 527-539.
- [105] Vijilius Helena Raj and Pious Missier, S. (2016), Observations on Functions via  $gs\Lambda$ -Sets in Topological Spaces, *International Journal of Current Research*, 8 (3), 27474-27478.