



CHAPTER 6



BIBLIOGRAPHY



6.0 BIBLIOGRAPHY

Reference

1. Agrawal, V., & Jagetia, M. (1997). Hydrogeochemical assessment of groundwater quality in Udaipur city, Rajasthan, India. In Proceedings of National conference on dimension of environmental stress in India, Department of Geology, MS University, Baroda, India (Vol. 151154).
2. Alagumuthu, G., and Rajan, M. (2010a). Equilibrium and kinetics of adsorption of fluoride onto zirconium impregnated cashew nut shell carbon. *Chemical Engineering Journal*, 158(3), 451-457.
3. Alagumuthu, G., and Rajan, M. (2010b). Kinetic and equilibrium studies on fluoride removal by zirconium (IV)-impregnated groundnut shell carbon. *Hemijaska Industrija*, 64(4), 295-304.
4. Alagumuthu, G., Veeraputhiran, V., & Venkataraman, R. (2011). Fluoride sorption using cynodon dactylon-based activated carbon. *Hemijaska industrija*, 65(1), 23-35. Kumar, S., Gupta, A., and Yadav, J. P. (2008). Removal of fluoride by thermally activated carbon prepared from neem (*Azadirachta indica*) and kikar (*Acacia arabica*) leaves. *Journal of Environmental Biology*, 29(2), 227.
5. Alagumuthu, G., Veeraputhiran, V., and Venkataraman, R. (2011). Fluoride sorption using *Cynodon dactylon*-based activated carbon. *Hemijaska Industrija*, 65(1), 23-35.
6. Alina, K. P., & Henryk, P. (1984). Trace elements in soils and plants. *Boca Raton: CRC*.
7. Alonso, J., M. A. Garcí'a, M. Pe' rez-Lo' pez, and M. J. Melgar. 2003. "The Concentrations and BioConcentration Factors of Copper and Zinc in Edible Mushrooms." *Archives of Environmental Contamination and Toxicology* 44: 180–8.
8. Amini, M., Mueller, K., Abbaspour, K. C., Rosenberg, T., Afyuni, M., Møller, K. N., and Johnson, C. A. (2008). Statistical modeling of global geogenic fluoride contamination in groundwaters. *Environmental science and technology*, 42(10), 3662-3668.
9. Andjelkovic I, Nesic J, Stankovic D, Manojlovic D, Pavlovic MB, Jovalekic C, Roglic G (2014) Investigation of sorbents synthesised by mechanical–chemical reaction for sorption of As(III) and As(V) from aqueous medium. *Clean Technol Environ Policy* 16:395–403.
10. Aoba, T., and Fejerskov, O. (2002). Dental fluorosis: chemistry and biology. *Critical Reviews in Oral Biology and Medicine*(2), 155-170.
11. Apambire, W. B., Boyle, D. R., and Michel, F. A. (1997). Geochemistry, genesis, and health implications of fluoriferous groundwaters in the upper regions of Ghana. *Environmental Geology*, 33(1), 13-24.

12. APHA (1995). Standard methods for the examination of water and wastewater, 19th ed. American Public Health Association, Washington, D.C., pp 1-467.
13. Apparao, B. V., and Karthikeyan, G. (1986). Permissible limits of fluoride ion in drinking water in Indian rural environment. *Indian J. Environ. Protect*, 6, 172-175.
14. Arar, O., Yavuz, E., Yuksel, U., and Kabay, N. (2009). Separation of low concentration of fluoride from water by electrodialysis (ED) in the presence of chloride and sulfate ions. *Separation Science and Technology*, 44(7), 1562-1573.
15. Arora, H. C., and Chattopadhyaya, S. N. (1974). A study on the effluent disposal of superphosphate fertilizer factory. *Indian Journal of Environmental Health*, 16(2), 140-150.
16. Athar, M., Farooq, U., Ali, S. Z., and Salman, M. (2014). Insight into the binding of copper (II) by non-toxic biodegradable material (*Oryza sativa*): effect of modification and interfering ions. *Clean Technologies and Environmental Policy*, 16(3), 579-590.
17. Ayoob, S., and Gupta, A. K. (2006). Fluoride in drinking water: a review on the status and stress effects. *Critical Reviews in Environmental Science and Technology*, 36(6), 433-487.
18. Ayoob, S., Gupta, A. K., and Bhat, V. T. (2008). A conceptual overview on sustainable technologies for the defluoridation of drinking water. *Critical Reviews in Environmental Science and Technology*, 38(6), 401-470.
19. Bansiwala, A., Thakre, D., Labhshetwar, N., Meshram, S., and Rayalu, S. (2009). Fluoride removal using lanthanum incorporated chitosan beads. *Colloids and Surfaces B: Biointerfaces*, 74(1), 216-224.
20. Barrow, N. J., and Ellis, A. S. (1986). Testing a mechanistic model. III. The effects of pH on fluoride retention by a soil. *Journal of soil science*, 37(2), 287-293.
21. Bawaskar, H. S., and Bawaskar, P. H. (2006). Endemic fluorosis in an isolated village in western Maharashtra, India. *Tropical doctor*, 36(4), 221-223.
22. Bell, M., Largent, E., Ludwig, T., Muhler, J. and Stookey, G. (1970) Fluorides and Human Health. Monograph Series No. 59, World Health Organization, Geneva.
23. Best Available Techniques (BAT) Reference Document for Waste Incineration; European Integrated Pollution Prevention and Control Bureau (EIPPCB), Institute of Prospective Technological Studies (IPTS), Joint Research Centre (JRC): Seville, Spain, 2006.
24. Bharati, P., and Rao, M. (2003). Epidemiology of fluorosis in Dharwad district, Karnataka. *Journal of Human Ecology*, 14, 37-42.

25. Bhatnagar, A., Kumar, E., and Sillanpää, M. (2011). Fluoride removal from water by adsorption—a review. *Chemical Engineering Journal*, 171(3), 811-840.
26. Bhattacharya, T., & Chakraborty, S. (2012). Tuck Neha., Physico chemical Characterization of ground water of Anand district, Gujarat, India, I. Res. J. Environment Sci, 1(1), 28-33.
27. Bhaumik, R., and Mondal, N. K. (2015). Adsorption of fluoride from aqueous solution by a new low-cost adsorbent: thermally and chemically activated coconut fibre dust. *Clean Technologies and Environmental Policy*, 17(8), 2157-2172.
28. Bhaumik, R., Mondal, N. K., Das, B., Roy, P., Pal, K. C., Das, C., and Baneerjee, A. (2012). Eggshell powder as an adsorbent for removal of fluoride from aqueous solution: equilibrium, kinetic and thermodynamic studies. *Journal of Chemistry*, 9(3), 1457-1480.
29. BIS (Bureau of Indian Standards). (1991). Drinking water-specification. *1st Revision, IS, 10500*.
30. Blagojević S, Jakovljević M, Radulović M (2002) Content of fluorine in soils in the vicinity of aluminium plant in Podgorica. *Journal of Agricultural Science*, 47(1),1-8.
31. Boyd, G. E., Adamson, A. W., & Myers Jr, L. S. (1947). The exchange adsorption of ions from aqueous solutions by organic zeolites. II. Kinetics1. *Journal of the American Chemical Society*, 69(11), 2836-2848.
32. Brewer, R. F. (1965). “Fluorine.” In *Methods of Soil Chemical Analysis*. (Part 2), edited by C. A. Black, 135–48. Madison, WI: American Society of Agronomy.
33. Brindha, K., and Elango, L. (2011). Fluoride in groundwater: causes, implications and mitigation measures. *Fluoride properties, applications and environmental management, I*, 111-136.
34. Brindha, K., Rajesh, R., Murugan, R., and Elango, L. (2011). Fluoride contamination in groundwater in parts of Nalgonda District, Andhra Pradesh, India. *Environmental Monitoring and Assessment*, 172(1-4), 481-492.
35. Brown, R. M., McClelland, N. I., Deininger, R. A., & O'Connor, M. F. (1972). A water quality index—crashing the psychological barrier. In *Indicators of environmental quality* (pp. 173-182). Springer, Boston, MA
36. Bulusu, K. R., Sundaresan, B. B., and Patthak, B. N. (1979). Fluorides in water, defluoridation methods and their limitations. *Journal of the Institution of Engineers*, 60, 25.
37. Calderon, J., Machado, B., Navarro, M., Carrizales, L., Ortiz, M. D., & Diaz-Barriga, F. (2000, July). Influence of fluoride exposure on reaction time and visuospatial organization in children. In *Epidemiology* (Vol. 11, No. 4, pp.

- S153-S153). 530 WALNUT ST, PHILADELPHIA, PA 19106-3621 USA: LIPPINCOTT WILLIAMS & WILKINS. Gessner, B. D., Beller, M., Middaugh, J. P., and Whitford, G. M. (1994) Acute fluoride poisoning from a public water system. *The New England Journal of Medicine*, 330(2):95–99.
38. Chae, G. T., Yun, S. T., Mayer, B., Kim, K. H., Kim, S. Y., and Kwon, J. S. (2007) Fluorine geochemistry in bedrock groundwater of South Korea. *Science of the Total Environment* 385(1–3):272–283.
 39. Chakrabarty, S., and Sarma, H. P. (2012). Defluoridation of contaminated drinking water using neem charcoal adsorbent: kinetics and equilibrium studies. *International Journal of ChemTech Research*, 4(2), 511-516.
 40. Chakraborti, D., Chanda, C. R., Samanta, G., Chowdhury, U. K., Mukherjee, S. C., Pal, A. B., Sing, B. (2000). Fluorosis in Assam, India. *Current Science*, 78(12), 1421-1423.
 41. Chakraborty, S., Roy, M., and Pal, P. (2013). Removal of fluoride from contaminated groundwater by cross flow nanofiltration: Transport modeling and economic evaluation. *Desalination*, 313, 115-124.
 42. Chandrajith, R., Abeypala, U., Dissanayake, C. B., and Tobschall, H. J. (2007). Fluoride in Ceylon tea and its implications to dental health. *Environmental geochemistry and health*, 29(5), 429-434.
 43. Chandrashekar, J., & Anuradha, K. P. (2004). Prevalence of dental fluorosis in rural areas of Davangere, India. *International dental journal*, 54(5), 235-239.
 44. Chatterjee, M. K., and Mohabey, N. K. (1998). Potential fluorosis problems around Chandidongri, Madhya Pradesh, India. *Environmental Geochemistry and Health*, 20(1), 1-4.
 45. Chaturvedi, A. K., Pathak, K. C., and Singh, V. N. (1988). Fluoride removal from water by adsorption on china clay. *Applied Clay Science*, 3(4), 337-346.
 46. Chaudhary, V., Sharma, M., and Yadav, B. S. (2009). Elevated fluoride in canal catchment soils of northwest Rajasthan, India. *Fluoride*, 42(1), 46-9.
 47. Chauhan, V. S., Dwivedi, P. K., and Iyengar, L. (2007). Investigations on activated alumina based domestic defluoridation units. *Journal of Hazardous materials*, 139(1), 103-107.
 48. Chinoy, N. J. (1991). Effects of fluoride on physiology of animals and human beings. *Indian J. Environ. Toxicol*, 1, 17-32.
 49. Chinoy, N. J., Narayana, M. V., Sequeira, E., Joshi, S. M., Barot, J. M., Purohit, R. M., and Ghodasara, N. B. (1992). Studies on effects of fluoride in 36 villages of Mehsana District, North-Gujarat. *Fluoride*, 25(3), 101-110.

50. Choubisa, S. L. (1997). Fluoride distribution and fluorosis in some villages of Banswara district of Rajasthan. *Indian Journal of Environmental Health*, 39(4), 281-288.
51. Choubisa, S. L. (2001). Endemic fluorosis in southern Rajasthan, India. *Fluoride*, 34(1), 61-70.
52. Choubisa, S. L., Choubisa, L., and Choubisa, D. (2010). Osteo-dental fluorosis in relation to age and sex in tribal districts of Rajasthan, India. *Journal of environmental science and engineering*, 52(3), 199-204.
53. Choubisa, S. L., Choubisa, L., and Choubisa, D. K. (2001). Endemic fluorosis in Rajasthan. *Indian journal of Environmental Health*, 43(4), 177-189.
54. Choubisa, SL (1996). Prevalence of fluorosis in some villages of Dungarpur district of Rajasthan. *Indian J Environ Health*, 38, 119-126.
55. Chouchene, A., Jeguirim, M., and Trouvé, G. (2014). Biosorption performance, combustion behavior, and leaching characteristics of olive solid waste during the removal of copper and nickel from aqueous solutions. *Clean Technologies and Environmental Policy*, 16(5), 979-986.
56. Choudhary, A. K., Gopalan, K., & Sastry, C. A. (1984). Present status of the geochronology of the Precambrian rocks of Rajasthan. *Tectonophysics*, 105(1-4), 131-140.
57. Chubar, N. I., Samanidou, V. F., Kouts, V. S., Gallios, G. G., Kanibolotsky, V. A., Strelko, V. V., and Zhuravlev, I. Z. (2005). Adsorption of fluoride, chloride, bromide, and bromate ions on a novel ion exchanger. *Journal of colloid and interface science*, 291(1), 67-74.
58. Conover, C. A., and Poole, R. T. (1971). Influence of fluoride on foliar necrosis of cordyline terminals CV baby doll during propagation. In *Proc. Fla. State Hort. Soc* (Vol. 81, pp. 415-419).
59. Cooke JA, Johnson MS and Davison AW 1978 Uptake and translocation of fluoride in *Helianthus annuus* grown in sand culture. *Fluoride* 2, 76-88.
60. Cooke, J. A., Johnson, M. S., Davidson, A. W., and Bradshaw, A. D. (1976). Fluoride in plants colonising fluorspar mine waste in the Peak District and Weardale. *Environmental Pollution*, 11(1), 9-23.
61. Crini, G., Peindy, H. N., Gimberty, F., and Robert, C. (2007). Removal of CI Basic Green 4 (Malachite Green) from aqueous solutions by adsorption using cyclodextrin-based adsorbent: Kinetic and equilibrium studies. *Separation and Purification Technology*, 53(1), 97-110.
62. Cronin, S. J., Manoharan, V., Hedley, M. J., & Loganathan, P. (2000). Fluoride: a review of its fate, bioavailability and risks of fluorosis in grazed-pasture systems in New Zealand. *New Zealand Journal of Agricultural Research*, 43, 295.

63. Cui, H., Qian, Y., An, H., Sun, C., Zhai, J., and Li, Q. (2012). Electrochemical removal of fluoride from water by PAOA-modified carbon felt electrodes in a continuous flow reactor. *Water Research*, 46(12), 3943-3950.
64. Daifullah, A. A. M., Yakout, S. M., & Elreefy, S. A. (2007). Adsorption of fluoride in aqueous solutions using KMnO₄-modified activated carbon derived from steam pyrolysis of rice straw. *Journal of Hazardous Materials*, 147(1-2), 633-643.
65. Das, B., Talukdar, J., Sarma, S., Gohain, B., Dutta, R. K., Das, H. B., and Das, S. C. (2003). Fluoride and other inorganic constituents in groundwater of Guwahati, Assam, India, *Current Science*, 85(5), 657-661.
66. Das, S., Mehta, B. C., Samanta, S. K., Das, P. K., and Srivastava, S. K. (2000). Fluoride hazards in ground water of Orissa, India. *Indian Journal of Environmental Health*, 42(1), 40-46.
67. Datta, P. S., Deb, D. L., and Tyagi, S. K. (1996). Stable isotope (18 O) investigations on the processes controlling fluoride contamination of groundwater. *Journal of contaminant hydrology*, 24(1), 85-96.
68. De Angelis, M., and Legrand, M. (1994). Origins and variations of fluoride in Greenland precipitation. *Journal of Geophysical Research: Atmospheres*, 99(D1), 1157-1172.
69. Deshmukh, A. N., and Chakravarti, P. K. (1995). Hydrochemical and hydrological impact of natural aquifer recharge of selected fluorosis endemic areas of Chandrapur district. *Gondwana Geological Magazine*, 9, 169-184.
70. Dhar, V., Jain, A., Van Dyke, T. E., and Kohli, A. (2007). Prevalence of dental caries and treatment needs in the school-going children of rural areas in Udaipur district. *Journal of Indian society of Pedodontics and Preventive dentistry*, 25(3), 119.
71. Dhiman, S. D., and Keshari, A. K. (2006). Hydrogeochemical evaluation of high-fluoride groundwaters: a case study from Mehsana District, Gujarat, India. *Hydrological Sciences Journal*, 51(6), 1149-1162.
72. Dinesh C. (1998). Fluoride and human health-cause for concern. *Indian Journal of Environment. Protection*, 1(2), 81-89.
73. Donnan, F. G. (1911). Theorie der Membrangleichgewichte und Membranpotentiale bei Vorhandensein von nicht dialysierenden Elektrolyten. Ein Beitrag zur physikalisch-chemischen Physiologie. *Zeitschrift für Elektrochemie und angewandte physikalische Chemie*, 17(14), 572-581.
74. Doull, J., Boekelheide, K., Farishian, B. G., Isaacson, R. L., Klotz, J. B., Kumar, J. V., Limeback, H., Poole, C., Puzas, J.E., Reed, N.M.R. and Thiessen, K. M. (2006). Committee on Fluoride in Drinking Water, Board on Environmental Studies and Toxicology, Division on Earth and Life Studies, National Research Council of the National Academies. Fluoride in drinking

- water: a scientific review of EPA's standards. *Fluoride in drinking water: a scientific review of EPA's standards*. Washington DC.
75. Drouiche, N., Aoudj, S., Hecini, M., Ghaffour, N., Lounici, H., and Mameri, N. (2009). Study on the treatment of photovoltaic wastewater using electrocoagulation: Fluoride removal with aluminium electrodes—Characteristics of products. *Journal of hazardous materials*, 169(1), 65-69.
 76. Drouiche, N., Djouadi-Belkada, F., Ouslimane, T., Kefaifi, A., Fathi, J., and Ahmetovic, E. (2013). Photovoltaic solar cells industry wastewater treatment. *Desalination and Water Treatment*, 51, 5965-5973.
 77. Dubinin, M. M., & Radushkevich, L. V. (1947). Equation of the characteristic curve of activated charcoal. *Chem. Zentr*, 1(1), 875.
 78. Durvey, V. S., Sharma, L. L., Saini, V. P., & Sharma, B. K. (1991). Handbook on the methodology of water quality assessment. Rajasthan agriculture university, India, 156.
 79. Edmunds, W. M., and Smedley, P. L. (2005) Fluoride in natural waters. In: Selinus O (ed) Essentials of medical geology. Elsevier Academic Press, Burlington, MA, pp 301–329
 80. Ekstrand, J., Ehrnebo, M., & Boréus, L. O. (1978). Fluoride bioavailability after intravenous and oral administration: importance of renal clearance and urine flow. *Clinical Pharmacology & Therapeutics*, 23(3), 329-337.
 81. El-Gohary, F., Tawfik, A., and Mahmoud, U. (2010). Comparative study between chemical coagulation/precipitation (C/P) versus coagulation/dissolved air flotation (C/DAF) for pre-treatment of personal care products (PCPs) wastewater. *Desalination*, 252(1), 106-112.
 82. Elrashidi, M. A., and Lindsay, W. L. (1986). Chemical equilibria of fluorine in soils: a theoretical development. *Soil Science*, 141(4), 274-280.
 83. Emmanuel, K. A., Ramaraju, K. A., Rambabu, G., and Rao, A. V. (2008). Removal of fluoride from drinking water with activated carbons prepared from HNO₃ activation—A comparative study. *Rasayan Journal of Chemistry*, 1(4), 802-818.
 84. Fan, C. S., and Li, K. C. (2013). Production of insulating glass ceramics from thin film transistor-liquid crystal display (TFT-LCD) waste glass and calcium fluoride sludge. *Journal of Cleaner Production*, 57, 335-341.
 85. Fan, X., Parker, D. J., and Smith, M. D. (2003). Adsorption kinetics of fluoride on low cost materials. *Water Research*, 37(20), 4929-4937.
 86. Faure G (1991) Principles and applications of inorganic geochemistry. Macmillan Publ. Co., New York, NY, p 626
 87. Fawell J, Bailey K, Chilton J, Dahi E, Fewtrell L, Magara Y (2006) Fluoride in drinking-water. IWA Publishing, London.

88. Fleischer, M. (1953) Recent Estimates of the Relative Abundance of the Elements in the Earth's Crust. Circular No. 285, US Geological Survey, Washington, DC.
89. Freundlich, HMF. (1906). Über die adsorption in lösungen. *Zeitschrift für Physikalische Chemie*, 57, 385–470.
90. Fufa, F., Alemayehu, E., and Lennartz, B. (2013). Defluoridation of groundwater using termite mound. *Water, Air, and Soil Pollution*, 224(5), 1-15.
91. Fung, K. F., Zhang, Z. Q., Wong, J. W. C., and Wong, M. H. (1999). Fluoride contents in tea and soil from tea plantations and the release of fluoride into tea liquor during infusion. *Environmental pollution*, 104(2), 197-205.
92. Galagan, D. J., and Vermillion, J. R. (1957). Determining optimum fluoride concentrations. *Public health reports*, 72(6), 491.
93. Galagan, D. J., Vermillion, J. R., Nevitt, G. A., Stadt, Z. M., and Dart, R. E. (1957). Climate and fluid intake. *Public health reports*, 72(6), 484.
94. Ganvir, V., and Das, K. (2011). Removal of fluoride from drinking water using aluminum hydroxide coated rice husk ash. *Journal of Hazardous Materials*, 185(2), 1287-1294.
95. Garg, V. K., Suthar, S., Singh, S., Sheoran, A., and Jain, S. (2009). Drinking water quality in villages of southwestern Haryana, India: assessing human health risks associated with hydrochemistry. *Environmental Geology*, 58(6), 1329-1340.
96. Gautam, R., and Bhardwaj, N. (2010). Bioaccumulation of fluoride in different plant parts of *Hordeum vulgare* (barley) var. rd-2683 from irrigation water. *Fluoride*, 43(1), 57-60.
97. Genxu, W., and Guodong, C. (2001). Fluoride distribution in water and the governing factors of environment in arid north-west China. *Journal of arid environments*, 49(3), 601-614.
98. Gessner, B. D., Beller, M., Middaugh, J. P., & Whitford, G. M. (1994). Acute fluoride poisoning from a public water system. *New England Journal of Medicine*, 330(2), 95-99.
99. Ghimire, K. N. (2012). Effective removal of fluoride onto metal ions loaded orange waste. *Journal of Nepal Chemical Society*, 27(1), 61-66.
100. Ghosh, D., Sinha, M. K., and Purkait, M. K. (2013). A comparative analysis of low-cost ceramic membrane preparation for effective fluoride removal using hybrid technique. *Desalination*, 327, 2-13.
101. Gisiger, L., (1968). The solubility of various fluorine compounds in the soil. *Fluoride*, 1, 21–26.

102. Gong, W. X., Qu, J. H., Liu, R. P., and Lan, H. C. (2012). Effect of aluminum fluoride complexation on fluoride removal by coagulation. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 395, 88-93.
103. Gopalakrishnan, P., Vasan, R. S., Sarma, P. S., Ravindran Nair, K. S., and Thankappan, K. R. (1999). Prevalence of dental fluorosis and associated risk factors in Allappuzha district, Kerala. *National Medical Journal of India*, 12(3).
104. Gopalakrishnan, S. (2000). Prevalence of fluorosis in 20 villages of Manur bloc, Tirunelveli, Kattabomman district. *Indian Journal of Environmental Protection*, 20(9), 663-667.
105. Gopalakrishnan, S. B., Viswanathan, G., and Ilango, S. S. (2012). Prevalence of fluorosis and identification of fluoride endemic areas in Manur block of Tirunelveli District, Tamil Nadu, South India. *Applied Water Science*, 2(4), 235-243.
106. Greene, B., McPherson, R., and Darnall, D. (1987). Algal sorbents for selective metal ion recovery. *Metals speciation, separation and recovery*, 315-338.
107. Guo, Q., Wang, Y., Ma, T., and Ma, R. (2007). Geochemical processes controlling the elevated fluoride concentrations in groundwaters of the Taiyuan Basin, Northern China. *Journal of Geochemical Exploration*, 93(1), 1-12.
108. Gupta, M. K., Singh, V., Rajwanshi, P., Agarwal, M., Rai, K., Srivastava, S., ... and Dass, S. (1999). Groundwater quality assessment of Tehsil Kheragarh, Agra (India) with special reference to fluoride. *Environmental Monitoring and Assessment*, 59(3), 275-285.
109. Gupta, S. K., and Deshpande, R. D. (1998). Depleting groundwater levels and increasing fluoride concentration in villages of Mehsana District, Gujarat, India: cost to economy and health. *Water Resources Research Foundation (WRRF), PRL, Ahmedabad*.
110. Gupta, S. K., Deshpande, R. D., Agarwal, M., and Raval, B. R. (2005). Origin of high fluoride in groundwater in the North Gujarat-Cambay region, India. *Lat. Hydrogeology Journal*, 13(4), 596-605.
111. Gupta, S. K., Gupta, R. C., and Seth, A. K. (1994) Increased incidence of Spina Bifida Occulta in fluorosis prone areas. *Indian Pediatrics*, 31(11):1431-1432.
112. Gupta, S. K., Gupta, R. C., Seth, A. K., and Chaturvedi. C. S., (1995) Increased incidence of Spina Bifida Occulta in fluorosis prone areas. *Acta Paediatrica Japonica* 37(4):503-506.
113. Gupta, S. K., Seth, A. K., Gupta, A., Gavane, A. G. (1993) Transplacental passage of fluorides. *Journal of Pediatrics*, 123(1):139-141.

114. Gupta, S., and S. Banerjee. 2009. "Fluoride Accumulation in Paddy (*Oriza sativa*) Irrigated with Fluoride-contaminated Groundwater in an Endemic Area of the Birbhum District, West Bengal." *Fluoride* 42: 224–7.
115. Gupta, S., and S. Banerjee. 2009. "Fluoride Accumulation in Paddy (*Oriza sativa*) Irrigated with Fluoride-contaminated Groundwater in an Endemic Area of the Birbhum District, West Bengal." *Fluoride* 42: 224–7.
116. Habuda-Stanić, M., Ravančić, M. E., and Flanagan, A. (2014). A review on adsorption of fluoride from aqueous solution. *Materials*, 7(9), 6317-6366.
117. Haidouti, C., Chronopoulou, A., and Chronopoulos, J. (1993). Effects of fluoride emissions from industry on the fluoride concentration of soils and vegetation. *Biochemical systematics and ecology*, 21(2), 195-208.
118. Hanafiah, M. A. K. M., Zakaria, H., and Ngah, W. W. (2009). Preparation, characterization, and adsorption behavior of Cu (II) ions onto alkali-treated weed (*Imperata cylindrica*) leaf powder. *Water, air, and soil pollution*, 201(1-4), 43-53.
119. Handa, B. K. (1975). Geochemistry and genesis of Fluoride-Containing ground waters in India. *Groundwater*, 13(3), 275-281.
120. Harrison, P. T. (2005). Fluoride in water: a UK perspective. *Journal of Fluorine Chemistry*, 126(11), 1448-1456.
121. Heller, K. E., Eklund, S. A., and Burt, B. A. (1997). Dental caries and dental fluorosis at varying water fluoride concentrations. *Journal of Public Health Dentistry*, 57(3), 136-143.
122. Hem, J. D. (1985). *Study and interpretation of the chemical characteristics of natural water* (Vol. 2254). Department of the Interior, US Geological Survey. 2254 pp.
123. Hernandez-Montoya, V., Ramirez-Montoya, L. A., Bonilla-Petriciolet, A., and Montes-Moran, M. A. (2012). Optimizing the removal of fluoride from water using new carbons obtained by modification of nut shell with a calcium solution from egg shell. *Biochemical Engineering Journal*, 62, 1-7.
124. Hileman B (1988) Fluoridation of water: questions about health risks and benefits remain after more than 40 years. In: Ozsvath, D. L. (2009). Fluoride and environmental health: a review. *Reviews in Environmental Science and Bio/Technology*, 8(1), 59-79.
125. Ho, Y. S., & McKay, G. (1999). Pseudo-second order model for sorption processes. *Process biochemistry*, 34(5), 451-465.
126. Ho, Y. S., McKay, G., Wase, D. A. J., and Forster, C. F. (2000). Study of the sorption of divalent metal ions on to peat. *Adsorption Science and Technology*, 18(7), 639-650.

127. Hu, C. Y., Lo, S. L., Kuan, W. H., and Lee, Y. D. (2005). Removal of fluoride from semiconductor wastewater by electrocoagulation–flotation. *Water research*, 39(5), 895-901.
128. Hu, K., and Dickson, J. M. (2006). Nanofiltration membrane performance on fluoride removal from water. *Journal of Membrane Science*, 279(1), 529-538.
129. Huang, C. J., and Liu, J. C. (1999). Precipitate flotation of fluoride-containing wastewater from a semiconductor manufacturer. *Water Research*, 33, 3403-3412.
130. Huang, K., Shao, J. G., Zhu, H. M., and Katsutoshi, I. (2011). Removal of Fluoride from Aqueous Solution onto Zr-loaded Garlic Peel (Zr-GP) Particles. *Journal of Central South University of Technology*, 18(5), 132-137.
131. Huang, K., Shao, J. G., Zhu, H. M., and Katsutoshi, I. (2011). Removal of Fluoride from Aqueous Solution onto Zr-loaded Garlic Peel (Zr-GP) Particles. *Journal of Central South University of Technology*, 18(5), 132-137.
132. Hunt S (1986) Diversity of biopolymer structure and its potential for ion binding applications. In: Eccles H, Hunt S (eds) Immobilisation of ions by bio-sorption. Ellis Horwood, Chichester, UK, pp 15–45.
133. Hussain, J., Hussain, I., and Sharma, K. C. (2010). Fluoride and health hazards: community perception in a fluorotic area of central Rajasthan (India): an arid environment. *Environmental monitoring and assessment*, 162(1-4), 1-14.
134. Ibrahim, Y. E., Affan, A. A., and Bjorvatn, K. (1995). Prevalence of dental fluorosis in Sudanese children from two villages with 0.25 and 2.56 ppm fluoride in the drinking water. *International Journal of Paediatric Dentistry*, 5(4), 223-229.
135. IGRAC (2003) Fluoride in Groundwater, International Groundwater Resources Assessment Centre, <http://igrac.nitg.tno.nl/flumain.html>
136. IS10500, B. I. S. (2012). Indian Standard Drinking Water–Specification (Second revision). *Bureau of Indian Standards (BIS)*, New Delhi.
137. Islam, M., and Patel, R. (2011). Thermal activation of basic oxygen furnace slag and evaluation of its fluoride removal efficiency. *Chemical engineering journal*, 169(1), 68-77.
138. Jacks, G., Bhattacharya, P., Chaudhary, V., and Singh, K. P. (2005). Controls on the genesis of some high-fluoride groundwaters in India. *Applied Geochemistry*, 20(2), 221-228.
139. Jarvis, H. G., Heslop, P., Kisima, J., Gray, W. K., Ndossi, G., Maguire, A., and Walker, R. W. (2013). Prevalence and aetiology of juvenile skeletal fluorosis in the south-west of the Hai district, Tanzania—a community-based prevalence and case–control study. *Tropical Medicine and International Health*, 18(2), 222-229.

140. Jha, S. K. (2012). Geochemical and Spatial Appraisal of Fluoride in the Soils of Indo-Gangetic Plains of India Using Multivariate Analysis. *CLEAN–Soil, Air, Water*, 40(12), 1392-1400.
141. Jha, S. K. (2012). Geochemical and Spatial Appraisal of Fluoride in the Soils of Indo-Gangetic Plains of India Using Multivariate Analysis. *CLEAN–Soil, Air, Water*, 40(12), 1392-1400.
142. Jha, S. K., Nayak, A. K., and Sharma, Y. K. (2008). Response of spinach (*Spinacea oleracea*) to the added fluoride in an alkaline soil. *Food and chemical toxicology*, 46(9), 2968-2971.
143. Jha, S. K., Nayak, A. K., and Sharma, Y. K. (2009). Fluoride toxicity effects in onion (*Allium cepa* L.) grown in contaminated soils. *Chemosphere*, 76(3), 353-356.
144. Jha, S. K., Nayak, A. K., and Sharma, Y. K. (2011). Site specific toxicological risk from fluoride exposure through ingestion of vegetables and cereal crops in Unnao district, Uttar Pradesh, India. *Ecotoxicology and Environmental Safety*, 74(4), 940-946.
145. Jin, C., Yan, Z., Jianwei, L., Ruodeng, X., and Sangbu, D. (2000). Environmental fluoride content in Tibet. *Environmental research*, 83(3), 333-337.
146. Kaminsky, L. S., Mahoney, M. C., Leach, J., Melius, J., and Jo Miller, M. (1990). Fluoride: benefits and risks of exposure. *Critical Reviews in Oral Biology and Medicine*, 1(4), 261-281.
147. Kanwar, J. S., and Mehta, K. K. (1968). Toxicity of fluorine in some well waters of Haryana and Punjab. *Indian Journal of Agricultural Science*, 38, 881-886.
148. Karabelas, A. J., Yiantsios, S. G., Metaxiotou, Z., Andritsos, N., Akiskalos, A., Vlachopoulos, G., and Stavroulias, S. (2001). Water and materials recovery from fertilizer industry acidic effluents by membrane processes. *Desalination*, 138(1), 93-102.
149. Karthikeyan, G., and Ilango, S. S. (2007). Fluoride sorption using *Moringa Indica*-based activated carbon. *Journal of Environmental Health Science and Engineering*, 4(1), 21-28.
150. Karthikeyan, G., Pius, A., & Apparao, B. V. (1996). Contribution of fluoride in water and food to the prevalence of fluorosis in areas of Tamil Nadu in South India. *Fluoride*, 29(3), 151-155.
151. Karthikeyan, G., Pius, A., & Apparao, B. V. (1996). Contribution of fluoride in water and food to the prevalence of fluorosis in areas of Tamil Nadu in South India. *Fluoride*, 29(3), 151-155.
152. Karthikeyan, K., Nanthakumar, K., Velmurugan, P., Tamilarasi, S., and Lakshmanaperumalsamy, P. (2010). Prevalence of certain inorganic

- constituents in groundwater samples of Erode district, Tamilnadu, India, with special emphasis on fluoride, fluorosis and its remedial measures. *Environmental Monitoring and Assessment*, 160,141-155.
153. Khandare, A. L., and Rao, G. S. (2006). Uptake of fluoride, aluminium and molybdenum by some vegetables by irrigation water. *Journal of Human Ecology*, 19(4), 283-288.
 154. Khandare, A. L., Harikumar, R., and Sivakumar, B. (2005). Severe bone deformities in young children from vitamin D deficiency and fluorosis in Bihar-India. *Calcified Tissue International*, 76(6), 412-418.
 155. Killedar, D. J., and Bhargava, D. S. (1993). Effects of stirring rate and temperature on fluoride removal by fishbone charcoal. *Indian Journal of Environmental Health*, 35(2), 81-87.
 156. Kodama, H., and Kabay, N. (2001). Reactivity of inorganic anion exchanger $\text{BiPbO}_2(\text{NO}_3)$ with fluoride ions in solution. *Solid State Ionics*, 141, 603-607.
 157. Koritnig, S. (1951). Ein beitrag zur geochemie des fluor:(Mit besonderer Berücksichtigung der Sedimente). *Geochimica et Cosmochimica Acta*, 1(2), 89-116.
 158. Kotecha, P. V., Patel, S. V., Bhalani, K. D., Shah, D., Shah, V. S., and Mehta, K. G. (2012). Prevalence of dental fluorosis and dental caries in association with high levels of drinking water fluoride content in a district of Gujarat, India. *The Indian Journal of Medical Research*, 135(6), 873.
 159. Krishnamachari, K. A. V. R., and Krishnaswamy, K. (1973). Genu valgum and osteoporosis in an area of endemic fluorosis. *The Lancet*, 302(7834), 877-879.
 160. Krishnamachari, K. A. V. R., and Krishnaswamy, K. (1973). Genu valgum and osteoporosis in an area of endemic fluorosis. *The Lancet*, 302(7834), 877-879.
 161. Kumar, E., Bhatnagar, A., Ji, M., Jung, W., Lee, S. H., Kim, S. J., Lee, G., Song, H., Choi, J.Y., Yang, J.S. and Jeon, B. H. (2009). Defluoridation from aqueous solutions by granular ferric hydroxide (GFH). *Water Research*, 43(2), 490-498.
 162. Kumar, N. P., Kumar, N. S., and Krishnaiah, A. (2012). Defluoridation of water using Tamarind (*Tamarindus indica*) fruit cover: Kinetics and equilibrium studies. *Journal of the Chilean Chemical Society*, 57(3), 1224-1231.
 163. Kumaran, P., Bhargava, G. N., and Bhakuni, T. S. (1971). Fluorides in groundwater and endemic fluorosis in Rajasthan. *Indian Journal of Environmental Health*, 13(4), 316-24.
 164. Kumari, J. P., Ashlesha, P., Kodate, J., and Vali, S. (1995) Fluoride partition between coexisting soil and food stuffs; a case study of selected fluorosis endemic villages of Korpana and Rajura Tehsils, Dist. Chandrapur (M.S.). *Gondwana Geology Magazine*, 9, 91-100.

165. Kumari, J. P., Ashlesha, P., Kodate, J., and Vali, S. (1995) Fluoride partition between coexisting soil and food stuffs; a case study of selected fluorosis endemic villages of Korpana and Rajura Tehsils, Dist. Chandrapur (M.S.). *Gondwana Geological Magazine* 9:91–100.
166. Kundu, M. C., and Mandal, B. (2009). Assessment of potential hazards of fluoride contamination in drinking groundwater of an intensively cultivated district in West Bengal, India. *Environmental monitoring and assessment*, 152(1-4), 97.
167. Kundu, N., Panigrahi, M., Tripathy, S., Munshi, S., Powell, M. A., and Hart, B. (2001). Geochemical appraisal of fluoride contamination of groundwater in the Nayagarh District of Orissa, India. *Environmental Geology*, 41(3-4), 451-460.
168. Lagergren, S. (1898). Zur theorie der sogenannten adsorption gelöster stoffe. *Kungliga svenska vetenskapsakademiens. Handlingar*, 24, 1-39.
169. Langmuir, I. (1918). The adsorption of gases on plane surfaces of glass, mica and platinum. *Journal of the American Chemical society*, 40(9), 1361-1403.
170. Latha, S. S., Ambika, S. R., and Prasad, S. J. (1999). Fluoride contamination status of groundwater in Karnataka. *Current Science*, 76(6), 730-734.
171. Leone, I. A., Brennan, E. G., Daines, R. H., and Robbins, W. R. (1948). Some effects of fluorine on peach, tomato, and buckwheat when absorbed through the roots. *Soil Science*, 66(4), 259-266.
172. Li, Y., Liang, C., Slemenda, C. W., Ji, R., Sun, S., Cao, J., Emsley, C.L., Ma, F., Wu, Y., Ying, P.O. and Zhang, Y. A. N. (2001). Effect of Long-Term Exposure to Fluoride in Drinking Water on Risks of Bone Fractures. *Journal of Bone and Mineral Research*, 16(5), 932-939.
173. Liao, X. P., and Shi, B. I. (2005). Adsorption of fluoride on zirconium (IV)-impregnated collagen fiber. *Environmental Science and Technology*, 39(12), 4628-4632.
174. Liu, C., Wyborny, L. E., and Chan, J. T. (1995). Fluoride content of dairy milk from supermarket-a possible contributing factor to dental fluorosis. *Fluoride*, 28(1), 10-16.
175. Liu, Y., Lee, J. Y., and Hong, L. (2002). Synthesis, characterization and electrochemical properties of poly (methyl methacrylate)-grafted-poly (vinylidene fluoride-hexafluoropropylene) gel electrolytes. *Solid State Ionics*, 150(3), 317-326.
176. Loganathan, P., Vigneswaran, S., Kandasamy, J., and Naidu, R. (2013). Defluoridation of drinking water using adsorption processes. *Journal of Hazardous Materials*, 248, 1-19.

177. Madhavan, N., and Subramanian, V. (2002). Fluoride in fractionated soil samples of Ajmer district, Rajasthan. *Journal of Environmental Monitoring*, 4(6), 821-822.
178. Madhnure, P., Sirsikar, D. Y., Tiwari, A. N., Ranjan, B., and Malpe, D. B. (2007). Occurrence of fluoride in the groundwaters of Pandharkawada area, Yavatmal district, Maharashtra, India. *Current science*, 92(5), 675.
179. Mahapatra, P. S., Chatterjee, S., and Sarkar, P. (2016). Serum Total Cholesterol Level in Fluorotic Individuals in a Fluoride Endemic Zone. *International Journal of Contemporary Medical Research*, 3(11), 77-83.
180. Mahdavi, S., Jalali, M., and Afkhami, A. (2015). Heavy metals removal from aqueous solutions by Al₂O₃ nanoparticles modified with natural and chemical modifiers. *Clean Technologies and Environmental Policy*, 17(1), 85-102.
181. Majumdar, K. K. (2011). Health impact of supplying safe drinking water containing fluoride below permissible level on fluorosis patients in a fluoride-endemic rural area of West Bengal. *Indian journal of public health*, 55(4), 303.
182. Malde, M. K., Maage, A., Macha, E., Julshamn, K., & Bjorvatn, K. (1997). Fluoride content in selected food items from five areas in East Africa. *Journal of Food composition and Analysis*, 10(3), 233-245.
183. Malde, M. K., Scheidegger, R., Julshamn, K., and Bader, H. P. (2011). Substance flow analysis: a case study of fluoride exposure through food and beverages in young children living in Ethiopia. *Environmental health perspectives*, 119(4), 579.
184. Malde, M. K., Zerihun, L., Julshamn, K., & Bjorvatn, K. (2004). Fluoride, calcium and magnesium intake in children living in a high-fluoride area in Ethiopia. Intake through food. *International Journal of Paediatric Dentistry*, 14(3), 167-174.
185. Malhotra, A., Tewari, A., Chawla, H. S., Gauba, K., & Dhall, K. (1993). Placental transfer of fluoride in pregnant women consuming optimum fluoride in drinking water. *Journal of the Indian Society of Pedodontics and Preventive Dentistry*, 11(1), 1-3.
186. Maliyekkal, S. M., Sharma, A. K., and Philip, L. (2006). Manganese-oxide-coated alumina: a promising sorbent for defluoridation of water. *Water Research*, 40(19), 3497-3506.
187. Mamilwar, B. M., Bhole, A. G., and Sudame, A. M. (2012). Removal of fluoride from ground water by using adsorbent. *International Journal of Engineering Research and Applications*, 2(4), 334-338.
188. Mann, H. (1990) Biosorption of heavy metals by bacterial biomass. In: Volesky B (ed) Biosorption of heavy metals. CRC Press, Boca Raton, FL, pp 93-137.

189. McCarty, M. F. (2004). Should we restrict chloride rather than sodium?. *Medical hypotheses*, 63(1), 138-148.
190. McQuaker, N. R., and Gurney, M. (1977). Determination of total fluoride in soil and vegetation using an alkali fusion-selective ion electrode technique. *Analytical Chemistry*, 49(1), 53-56.
191. Meenakshi, S., and Viswanathan, N. (2007). Identification of selective ion-exchange resin for fluoride sorption. *Journal of Colloid and Interface Science*, 308(2), 438-450.
192. Merugu, R., Domala, R., Kudle, K. R., and Rudra, M. P. (2012). Factors influencing the removal of fluoride from water using a fungal biosorbent prepared from *Fusarium moniliforme*. *International Journal of ChemTech Research*, 4, 1094-1098.
193. Messaïtfa, A. (2008). Fluoride contents in groundwaters and the main consumed foods (dates and tea) in Southern Algeria region. *Environmental geology*, 55(2), 377-383.
194. Miretzky, P., Muñoz, C., and Carrillo-Chávez, A. (2008). Fluoride removal from aqueous solution by Ca-pretreated macrophyte biomass. *Environmental Chemistry*, 5(1), 68-72.
195. Misra, A. K., Mishra, A., and Premraj. (2006). Escalation of groundwater fluoride in the Ganga alluvial plain of India. *Fluoride*, 39(1), 35-38.
196. Mittal, A., and Kumar, M. (2014). Ground Water Status-A Case Study of Allahabad, UP, India. *International Journal of Advances in Engineering and Technology*, 7(3), 838.
197. Mohan, S. V., Nithila, P., & Reddy, S. J. (1995). Determination of fluoride content in drinking water and development of a model in relation to some water quality parameters. *Fresenius Environmental Bulletin*, 4(5), 297-302.
198. Mohan, S. V., Ramanaiah, S. V., Rajkumar, B., and Sarma, P. N. (2007a). Biosorption of fluoride from aqueous phase onto algal *Spirogyra* IO1 and evaluation of adsorption kinetics. *Bioresource Technology*, 98(5), 1006-1011.
199. Mohan, S. V., Ramanaiah, S. V., Rajkumar, B., and Sarma, P. N. (2007b). Removal of fluoride from aqueous phase by biosorption onto algal biosorbent *Spirogyra* sp.-IO2: Sorption mechanism elucidation. *Journal of Hazardous Materials*, 141(3), 465-474.
200. Mohapatra, D., Mishra, D., Mishra, S. P., Chaudhury, G. R., and Das, R. P. (2004). Use of oxide minerals to abate fluoride from water. *Journal of colloid and interface science*, 275(2), 355-359.
201. Mondal, M. K. (2010) Removal of Pb(II) from aqueous solution by adsorption using activated tea waste. *Korean Journal of Chemical Engineering*, 27(1), 144-151.

202. Mondal, N. C., Prasad, R. K., Saxena, V. K., Singh, Y., and Singh, V. S. (2009). Appraisal of highly fluoride zones in groundwater of Kurmapalli watershed, Nalgonda district, Andhra Pradesh (India). *Environmental Earth Sciences*, 59(1), 63-73.
203. Mondal, N. K., Bhaumik, R., Baur, T., Das, B., Roy, P., & Datta, J. K. (2012). Studies on defluoridation of water by tea ash: an unconventional biosorbent. *Chemical Science Transactions*, 1(2), 239-256.
204. Mondal, P., and George, S. (2015). A review on adsorbents used for defluoridation of drinking water. *Reviews in Environmental Science and Biotechnology*, 14(2), 195-210.
205. Mourad, N. M., Sharshar, T., Elnimr, T., and Mousa, M. A. (2009). Radioactivity and fluoride contamination derived from a phosphate fertilizer plant in Egypt. *Applied Radiation and Isotopes*, 67(7), 1259-1268.
206. Muralidharan, D., Nair, A. P., & Sathyanarayana, U. (2002). Fluoride in shallow aquifers in Rajgarh Tehsil of Churu District, Rajasthan—an arid environment. *Current science*, 83(6), 699-702.
207. Muralidharan, D., Nair, A. P., and Sathyanarayana, U. (2002). Fluoride in shallow aquifers in Rajgarh Tehsil of Churu District, Rajasthan—an arid environment. *Current science*, 83(6), 699-702.
208. Murugan, M., and Subramanian, E. (2006). Studies on defluoridation of water by Tamarind seed, an unconventional biosorbent. *Journal of Water and Health*, 4(4), 453-461.
209. N.P. Kumar, N.S. Kumar, and A. Krishnaiah, “Defluoridation of water using Tamarind (*Tamarindus indica*) fruit cover: Kinetics and equilibrium studies”, *J. Chil. Chem. Soc*, Vol. 57, pp. 1224-1131, 2012.
210. Namasivayam, C., & Kavitha, D. (2002). Removal of Congo Red from water by adsorption onto activated carbon prepared from coir pith, an agricultural solid waste. *Dyes and pigments*, 54(1), 47-58.
211. Narwaria, Y. S., and Saksena, D. N. (2013). Prevalence of dental fluorosis among primary school children in rural areas of Karera Block, Madhya Pradesh. *The Indian Journal of Pediatrics*, 80(9), 718-720.
212. NAS (1971) Biologic Effects of Air Pollutants: Fluorides. National Academy of Sciences, Washington, DC.
213. Nawlakhe, W. G., Luthade, S. L., Patni, P. M., and Deshpande, L. S. (1995). Groundwater quality in Shivpuri district in Madhya Pradesh. *Indian Journal of Environmental Health*, 37(4), 278-284.
214. Ndiaye, P. I., Moulin, P., Dominguez, L., Millet, J. C., and Charbit, F. (2005). Removal of fluoride from electronic industrial effluent by RO membrane separation. *Desalination*, 173(1), 25-32.

215. Neumuller O. A. (1981) Rommps Chemie Lexicon, vol. 2, 8th edn. Franck'sche Verlagshandlung, Stuttgart (German).
216. Nirgude, A. S., Saiprasad, G. S., Naik, P. R., and Mohanty, S. (2010). An epidemiological study on fluorosis in an urban slum area of Nalgonda, Andhra Pradesh, India. *Indian journal of public health*, 54(4), 194.
217. Olsson, B. (1978). Dental caries and fluorosis in Arussi province, Ethiopia. *Community dentistry and oral epidemiology*, 6(6), 338-343.
218. Onyango, M. S., Kojima, Y., Aoyi, O., Bernardo, E. C., & Matsuda, H. (2004). Adsorption equilibrium modeling and solution chemistry dependence of fluoride removal from water by trivalent-cation-exchanged zeolite F-9. *Journal of Colloid and Interface Science*, 279(2), 341-350.
219. Onyango, M. S., Kojima, Y., Kumar, A., Kuchar, D., Kubota, M., and Matsuda, H. (2006). Uptake of fluoride by Al³⁺ pretreated low-silica synthetic zeolites: adsorption equilibrium and rate studies. *Separation Science and Technology*, 41(4), 683-704.
220. Ortiz-Pérez, D., Rodríguez-Martínez, M., Martínez, F., Borja-Aburto, V. H., Castelo, J., Grimaldo, J. I., de la Cruz, E., Carrizales, L. and Díaz-Barriga, F. (2003). Fluoride-induced disruption of reproductive hormones in men. *Environmental Research*, 93(1), 20-30.
221. Ozsvath, D. L. (2009). Fluoride and environmental health: a review. *Reviews in Environmental Science and Bio/Technology*, 8(1), 59-79.
222. Paliwal, K. V., Mehta, K. K., and Gandhi, A. P. (1969) Fluorine in irrigation waters of Bhilwara district of Rajasthan. *Indian Journal of Agricultural Science*, 39, 1083–1087
223. Pandey, A. (2010). Prevalence of fluorosis in an endemic village in central India. *Tropical doctor*, 40(4), 217-219.
224. Pandey, P. K., Pandey, M., and Sharma, R. (2012). Defluoridation of water by a biomass: *Tinospora cordifolia*. *Journal of Environmental Protection*, 3(7), 610.
225. Parmar, H. S., Patel, J. B., Sudhakar, P. A. D. M. A. J. A., and Koshy, V. J. (2006). Removal of fluoride from water with powdered corn cobs. *Journal of Environmental Science and Engineering*, 48(2), 135-138.
226. Patel, P., and Bhatt, S. A. (2007). Fluoride: a major polluting component of ground water in north Gujarat region, India. In *Proceedings of Taal 2007: The 12th World Lake Conference* (Vol. 245, p. 249).
227. Patil, S.S. and Ingole, N.W. (2012). Studies on defluoridation-A review. *Journal of Engineering Research Studies*. 3(1): 111-119.
228. Paudyal, H., Pangeni, B., Ghimire, K. N., Inoue, K., Ohto, K., Kawakita, H., and Alam, S. (2012). Adsorption behavior of orange waste gel for some rare

- earth ions and its application to the removal of fluoride from water. *Chemical Engineering Journal*, 195, 289-296.
229. Paulson, E. G. (1977). Reducing fluoride in industrial wastewater. *Chemical Engineering*, 84(22), 89-94.
 230. Peek, D. C., and Volk, V. V. (1985). Fluoride sorption and desorption in soils. *Soil Science Society of America Journal*, 49(3), 583-586.
 231. Penman, A. D., Brackin, B. T., & Embrey, R. (1997). Outbreak of acute fluoride poisoning caused by a fluoride overfeed, Mississippi, 1993. *Public health reports*, 112(5), 403.
 232. Peris, M., C. Mico, L. Recatala, R. Sanchez, and J. Sanchez. 2007. "Heavy Metal Contents in Horticultural Crops of a Representative Area of European Mediterranean Region." *Science of The Total Environment* 378: 42–8.
 233. Phadtare, P. N. (1981) Groundwater resources and development potential of Mehsana district, Gujarat. Report, Central Ground Water Board, Government of India.
 234. Ponsot, I., Falcone, R., and Bernardo, E. (2013). Stabilization of fluorine-containing industrial waste by production of sintered glass-ceramics. *Ceramics International*, 39(6), 6907-6915.
 235. Rai, K., Agarwal, M., Dass, S., and Shrivastav, R. (2000). Fluoride: Diffusive mobility in soil and some remedial measures to control its plant uptake. *Current Science*, 79(9), 1370-1372.
 236. Raichur, A. M., and Basu, M. J. (2001). Adsorption of fluoride onto mixed rare earth oxides. *Separation and Purification Technology*, 24(1), 121-127.
 237. Raju, N. J., Dey, S., and Das, K. (2009). Fluoride contamination in groundwaters of Sonbhadra district, Uttar Pradesh, India. *Current Science*, 979-985.
 238. Ramanaiah, S. V., Mohan, S. V., and Sarma, P. N. (2007). Adsorptive removal of fluoride from aqueous phase using waste fungus (*Pleurotus ostreatus* 1804) biosorbent: Kinetics evaluation. *Ecological engineering*, 31(1), 47-56.
 239. Ramanjaneyulu, V., Jaipal, M., Yasovardhan, N., and Sharada, S. (2013). Kinetic Studies on Removal of Fluoride from Drinking Water by Using Tamarind Shell and Pipal Leaf Powder. *International Journal of Emerging Trends in Engineering and Development*, 5, 146.
 240. Rao, K. V., and Mahajan, C. L. (1990). Fluoride content of some common South Indian foods and their contribution to fluorosis. *Journal of the Science of Food and Agriculture*, 51(2), 275-279.
 241. Rao, N. R., Rao, N., Rao, K. S. P., and Schuiling, R. D. (1993). Fluorine distribution in waters of Nalgonda district, Andhra Pradesh, India. *Environmental Geology*, 21(1-2), 84-89.

242. Rao, N. S. (1997). The occurrence and behaviour of fluoride in the groundwater of the Lower Vamsadhara River basin, India. *Hydrological sciences journal*, 42(6), 877-892.
243. Rao, N. S., and Devadas, D. J. (2003). Fluoride incidence in groundwater in an area of Peninsular India. *Environmental Geology*, 45(2), 243-251.
244. Rao, V. B., Mandava, S. R. M., Prasanthi, V., and Muppa, R. (2009). Characterization and defluoridation studies of activated *Dolichos Lablab* carbon. *Rasayan Journal of Chemistry*, 2(2), 525-530.
245. Rao, Y., Kishore, M., and Ravindhranath, K. (2011). Preparation and development of adsorbent carbon from *Acacia farnesiana* for defluoridation. *International Journal of Plant, Animal and Environmental Sciences*, 1(3), 209-223.
246. Ravindra, K., & Garg, V. K. (2007). Hydro-chemical survey of groundwater of Hisar city and assessment of defluoridation methods used in India. *Environmental monitoring and assessment*, 132(1-3), 33-43.
247. Ray, D., Rao, R. R., Bhoi, A. V., Biswas, A. K., Ganguly, A. K., and Sanyal, P. B. (2000). Physico-chemical quality of drinking water in Rohtas district of Bihar. *Environmental monitoring and assessment*, 61(3), 387-398.
248. Ray, S. K., Ghosh, S., Tiwari, I. C., Kaur, P., Reddy, D. C. S., and Nagchaudhuri, J. (1983). Dental fluorosis in Ledhepur and Rustampur villages near Varanasi. *Indian journal of medical research*, 77(1), 112-188.
249. Reardon, E. J., and Wang, Y. (2000). A limestone reactor for fluoride removal from wastewaters. *Environmental science and technology*, 34(15), 3247-3253.
250. Reddy, A. G. S., Reddy, D. V., Rao, P. N., and Prasad, K. M. (2010a). Hydrogeochemical characterization of fluoride rich groundwater of Wailapalli watershed, Nalgonda district, Andhra Pradesh, India. *Environmental Monitoring and Assessment*, 171, 561-577.
251. Reddy, D. V., Nagabhushanam, P., Sukhija, B. S., Reddy, A. G. S., and Smedley, P. L. (2010b). Fluoride dynamics in the granitic aquifer of the Wailapally watershed, Nalgonda District, India. *Chemical Geology*, 269 (3-4), 278-289.
252. Reddy, R. D., Lahiri, K., Rao, R. M., Vendanayakam, K. N., Ebenezer, L. N., & Suguna, R. M. (1985). Trial of magnesium compounds in the prevention of skeletal fluorosis. An experimental study. *Fluoride*, 18(3), 135-140.
253. Rieman, W., & Walton, H. F. (1970). Ion exchange in analytical chemistry. *International series of monographs in analytical chemistry*, v. 38.
254. Robbins, C. W. (1986). Fluoride adsorption by a saline sodic soil irrigated with a high F water. *Irrigation Science*, 7(2), 107-112.

255. Rupal, M., Tanushree, B., & Sukalyan, C. (2012). Quality characterization of groundwater using water quality index in Surat city, Gujarat, India. *International Research Journal of Environment Sciences*, 1(4), 14-23.
256. Sadaf, S., and Bhatti, H. N. (2014). Evaluation of peanut husk as a novel, low cost biosorbent for the removal of Indosol Orange RSN dye from aqueous solutions: batch and fixed bed studies. *Clean Technologies and Environmental Policy*, 16(3), 527-544.
257. Saether, O. M., Andreassen, B. T., and Semb, A. (1995). Amounts and sources of fluoride in precipitation over southern Norway. *Atmospheric Environment*, 29(15), 1785-1793.
258. Saha, P., Chowdhury, S., Gupta, S., and Kumar, I. (2010). Insight into adsorption equilibrium, kinetics and thermodynamics of Malachite Green onto clayey soil of Indian origin. *Chemical Engineering Journal*, 165(3), 874-882.
259. Saha, S. (1993). Treatment of aqueous effluent for fluoride removal. *Water Research*, 27(8), 1347-1350.
260. Salve, P. R., Maurya, A., Kumbhare, P. S., Ramteke, D. S., and Wate, S. R. (2008). Assessment of groundwater quality with respect to fluoride. *Bulletin of environmental contamination and toxicology*, 81(3), 289-293.
261. Sankararamakrishnan, N., Sharma, A. K., and Iyengar, L. (2008). Contamination of nitrate and fluoride in ground water along the Ganges Alluvial Plain of Kanpur district, Uttar Pradesh, India. *Environmental monitoring and assessment*, 146(1-3), 375-382.
262. Saralakumari, D., and Rao, P. R. (1993). Endemic fluorosis in the village ralla-anantapuram in Andhra pradesh-an epidemiologic study. *Fluoride*, 26(3), 177-180.
263. Saravanan, S., Kalyani, C., Vijayarani, M. P., Jayakodi, P., Felix, A. J. W., Nagarajan, S., Arunmozhi, P. and Krishnan, V. (2008). Prevalence of dental fluorosis among primary school children in rural areas of Chidambaram taluk, Cuddalore district, Tamil Nadu, India. *Indian journal of community medicine: official publication of Indian Association of Preventive & Social Medicine*, 33(3), 146.
264. Sathish, R. S., Raju, N. S. R., Raju, G. S., Nageswara Rao, G., Kumar, K. A., and Janardhana, C. (2007). Equilibrium and kinetic studies for fluoride adsorption from water on zirconium impregnated coconut shell carbon. *Separation Science and Technology*, 42(4), 769-788.
265. Sathish, R. S., Sairam, S., Raja, V. G., Rao, G. N., and Janardhana, C. (2008). Defluoridation of water using zirconium impregnated coconut fiber carbon. *Separation Science and Technology*, 43(14), 3676-3694.
266. Saxena, V., and Ahmed, S. (2001). Dissolution of fluoride in groundwater: a water-rock interaction study. *Environmental geology*, 40(9), 1084-1087.

267. Saxena, V., and Ahmed, S. (2003) Inferring chemical parameters for the dissolution of fluoride in groundwater. *Environmental Geology*, 43(6):731–736.
268. Schultheiss, W. A., & Godley, G. A. (1995). Chronic fluorosis in cattle due to the ingestion of a commercial lick. *Journal of the South African Veterinary Association*, 66(2), 83-84.
269. Sehn, P. (2008). Fluoride removal with extra low energy reverse osmosis membranes: three years of large scale field experience in Finland. *Desalination*, 223(1), 73-84.
270. Shah, M. C., Shilpkar, P. G., & Acharya, P. B. (2008). Ground water quality of Gandhinagar taluka, Gujarat, India. *Journal of Chemistry*, 5(3), 435-446.
271. Shah, T., and Indu, R. (2004). Fluorosis in Gujarat: a disaster ahead. *IWMI-Tata Program Annual Partner's Meet, Anand*.
272. Shaji, E., Bindu, J. V., and Thambi, D. S. (2007). High fluoride in groundwater of Palghat District, Kerala. *Current Science*, 92(2), 240.
273. Sharma, S. K. (2003). High fluoride in groundwater cripples life in parts of India. In *Diffuse Pollution Conference, Dublin* (pp. 51-52).
274. Shashi, A., and Bhardwaj, M. (2011). Study on blood biochemical diagnostic indices for hepatic function biomarkers in endemic skeletal fluorosis. *Biological trace element research*, 143(2), 803-814.
275. Shashi, A., and Singla, S. (2013). Clinical and Biochemical Profile of Deiodinase Enzymes and Thyroid Function Hormones in Patients of Fluorosis. *Australian Journal of Basic and Applied Sciences*, 7(4), 100-107.
276. Shashi, A., Kumar, M., and Bhardwaj, M. (2008). Incidence of skeletal deformities in endemic fluorosis. *Tropical doctor*, 38(4), 231-233.
277. Shekar, C., Cheluvaiah, M. B., & Namile, D. (2012). Prevalence of dental caries and dental fluorosis among 12 and 15 years old school children in relation to fluoride concentration in drinking water in an endemic fluoride belt of Andhra Pradesh. *Indian journal of public health*, 56(2), 122.
278. Shen, F., Chen, X., Gao, P., and Chen, G. (2003). Electrochemical removal of fluoride ions from industrial wastewater. *Chemical Engineering Science*, 58(3), 987-993.
279. Shortt, H. E., McRobert, G. R., Barnard, T. W., and Nayar, A. M. (1937). Endemic fluorosis in the Madras Presidency. *Indian Journal of Medical Research*, 25, 553-568.
280. Shyam, R., and Kalwania, G. S. (2013). Accumulation of Fluoride in Sikar Aquifer and their Removal by Khimp Powder. *Oriental Journal of Chemistry*, 29(3), 1169-1177.

281. Sidhu, K. S., Kimmer, R. O. (2002). Fluoride overfeed at a well site near an elementary school in Michigan. *Journal of Environmental Health*, 65(3), 16–21.
282. Simons, R. (1993). Trace element removal from ash dam waters by nanofiltration and diffusion dialysis. *Desalination*, 89(3), 325-341.
283. Singanan, M. (2013). Defluoridation of drinking water using metal embedded biocarbon technology. *International Journal of Environmental Engineering*, 5(2), 150-160
284. Singh, C. K., Rina, K., Singh, R. P., Shashtri, S., Kamal, V., and Mukherjee, S. (2011). Geochemical modeling of high fluoride concentration in groundwater of Pokhran area of Rajasthan, India. *Bulletin of environmental contamination and toxicology*, 86(2), 152-158.
285. Singh, G., Kumar, B., Sen, P. K., and Majumdar, J. (1999). Removal of fluoride from spent pot liner leachate using ion exchange. *Water Environment Research*, 71(1), 36-42.
286. Singh, P. P., Barjatiya, M. K., Dhing, S., Bhatnagar, R., Kothari, S., Dhar, V. (2001) Evidence suggesting that high intake of fluoride provokes nephrolithiasis in tribal populations. *Urological Research*, 29(4), 238–244.
287. Singh, V., Narain, R., and Prakash, C. (1987). Fluoride in irrigation waters of Agra district, Uttar Pradesh. *Water research*, 21(8), 889-890.
288. Sinha, P. K., Nanda, R. S., Duncanson, M. G., and Hosier, M. J. (1997). In vitro evaluation of matrix-bound fluoride-releasing orthodontic bonding adhesives. *American journal of orthodontics and dentofacial orthopedics*, 111(3), 276-282.
289. Sinha, S., Pandey, K., Mohan, D., and Singh, K. P. (2003). Removal of fluoride from aqueous solutions by Eichhornia crassipes biomass and its carbonized form. *Industrial and Engineering Chemistry Research*, 42(26), 6911-6918.
290. Sivabalan, R., Rengaraj, S., Arabindoo, B., & Murugesan, V. (2002). Fluoride uptake characteristics of activated carbon from agricultural-waste. *Journal of Scientific and Industrial Research*, 61(12), 1139-1045.
291. Sivasankar, V., Rajkumar, S., Muruges, S., and Darchen, A. (2012). Tamarind (Tamarindus indica) fruit shell carbon: A calcium-rich promising adsorbent for fluoride removal from groundwater. *Journal of Hazardous Materials*, 225, 164-172.
292. Sivasankar, V., Ramachandramoorthy, T., and Chandramohan, A. (2010). Fluoride removal from water using activated and MnO₂-coated Tamarind Fruit (Tamarindus indica) shell: Batch and column studies. *Journal of Hazardous Materials*, 177(1), 719-729.

293. Smith, F. A., Hodge, H. C., and Dinman, B. D. (1979). Airborne fluorides and man: Part II. *Critical Reviews in Environmental Science and Technology*, 9(1), 1-25.
294. Specht, R. C., and Macintire, W. H. (1961). Fixation, leaching, and plant uptake of fluorine from additions of certain fluorids in representative sandy soils: the fluorine problem in certain florida areas. *Soil Science*, 92(3), 172-176.
295. Spittle, B. (1994) Psychopharmacology of fluoride: a review. *International Clinical Psychopharmacology*, 9(2), 79–82.
296. Sreedevi, P. D., Ahmed, S., Madé, B., Ledoux, E., and Gandolfi, J. M. (2006). Association of hydrogeological factors in temporal variations of fluoride concentration in a crystalline aquifer in India. *Environmental Geology*, 50(1), 1-11.
297. Srikanth, R., Chandra, T. R., and Kumar, B. R. (2008). Endemic fluorosis in five villages of the palamau district, Jharkhand, India. *Fluoride*, 41(3):206-211.
298. Srivastav, A., Singh, A., Yadav, S. B., and Mathur, A. (2011). Endemic dental and skeletal fluorosis: Effects of high ground water fluoride in some North Indian villages. *International Journal of Oral and Maxillofacial Pathology*, 2(2), 7-12.
299. Srivastava, V. C., Mall, I. D., & Mishra, I. M. (2006). Equilibrium modelling of single and binary adsorption of cadmium and nickel onto bagasse fly ash. *Chemical Engineering Journal*, 117(1), 79-91.
300. Stevens, D. P., McLaughlin, M. J., and Alston, A. M. (1997). Phytotoxicity of aluminium-fluoride complexes and their uptake from solution culture by *Avena sativa* and *Lycopersicon esculentum*. *Plant and Soil*, 192(1), 81-93.
301. Stevens, D. P., McLaughlin, M. J., Randall, P. J., and Keerthisinghe, G. (2000). Effect of fluoride supply on fluoride concentrations in five pasture species: Levels required to reach phytotoxic or potentially zootoxic concentrations in plant tissue. *Plant and Soil*, 227(1-2), 223-233.
302. Subba Rao, N. (2003). Groundwater quality: focus on fluoride concentration in rural parts of Guntur district, Andhra Pradesh, India. *Hydrological Sciences Journal*, 48(5), 835-847.
303. Sujana, M. G., and Anand, S. (2010). Iron and aluminium based mixed hydroxides: a novel sorbent for fluoride removal from aqueous solutions. *Applied Surface Science*, 256(23), 6956-6962.
304. Sujana, M. G., Pradhan, H. K., and Anand, S. (2009). Studies on sorption of some geomaterials for fluoride removal from aqueous solutions. *Journal of Hazardous Materials*, 161(1), 120-125.

305. Sujana, M. G., Thakur, R. S., & Rao, S. B. (1998). Removal of fluoride from aqueous solution by using alum sludge. *Journal of Colloid and Interface Science*, 206(1), 94-101.
306. Sujana, M. G., Thakur, R. S., Das, S. N., and Rao, S. B. (1997). Defluorination of Waste Waters. *Asian Journal of Chemistry*, 9(4), 561-570.
307. Sujatha, D. (2003). Fluoride levels in the groundwater of the south-eastern part of Ranga Reddy district, Andhra Pradesh, India. *Environmental Geology*, 44(5), 587-591.
308. Suneetha, M., Sundar, B. S., & Ravindhranath, K. (2014). Studies on fluoride removal from polluted waters using active carbon derived from stems of *Abutilon indicum* plant. *Journal of Chemical and Pharmaceutical Research*, 6(10), 574-592.
309. Susheela, A. K. (2001). Fluorosis: Indian scenario: A treatise on fluorosis. *Fluorosis Research and Rural Development Foundation*.
310. Susheela, A. K. (2003). Treatise on Fluorosis, Fluorosis Res. *Rural Dev. Found.*, Delhi, India, 137.
311. Susheela, A. K., Bhatnagar, M., and Kumar, A. (1996). Status of drinking water in the mega city Delhi. *WEDC, LOUGHBOROUGH UNIVERSITY, LEICESTERSHIRE LE 11 3 TU(UK)*., 299-301.
312. Susheela, A. K., Jethanandani P (1996) Circulating testosterone levels in skeletal fluorosis patients. *Journal of Clinical Toxicology*, 34(2), 183–189.
313. Susheela, A. K., Kumar, A., Bhatnagar, M., & Bahadur, R. (1993). Prevalence of endemic fluorosis with gastrointestinal manifestations in people living in some north-Indian villages. *Fluoride*, 26(2), 97-104.
314. Suthar, S., Garg, V. K., Jangir, S., Kaur, S., Goswami, N., and Singh, S. (2008). Fluoride contamination in drinking water in rural habitations of Northern Rajasthan, India. *Environmental Monitoring and Assessment*, 145(1-3), 1-6.
315. Swain, S. K., Dey, R. K., Islam, M., Patel, R. K., Jha, U., Patnaik, T., and Airolidi, C. (2009). Removal of fluoride from aqueous solution using aluminum-impregnated chitosan biopolymer. *Separation Science and Technology*, 44(9), 2096-2116.
316. Swartjes, F. A., Dirven-Van Breemen, E. M., Otte, P. F., Van Beelen, P., Rikken, M. G. J., Tuinstra, J., and Lijzen, J. P. A. (2007). Human health risks due to consumption of vegetables from contaminated sites. *RIVM report, 711701040*, 2007.
317. Tahaikt, M., El Habbani, R., Haddou, A. A., Achary, I., Amor, Z., Taky, M., and Elmidaoui, A. (2007). Fluoride removal from groundwater by nanofiltration. *Desalination*, 212(1), 46-53.

318. Tavener, S.J., Clark, J. H. (2006) Fluorine: friend or foe? A green chemist's perspective. In: Tressaud A (ed) Fluorine and the environment: agrochemicals, archaeology, green chemistry and water, vol 2 (Chapter 5). Elsevier, Amsterdam.
319. Teotia, S. P. S., & Teotia, M. (1991). Endemic fluoride: bones and teeth—update. *Indian Journal of Environmental Toxicology*, 1(1), 1-16.
320. Teotia, S. P. S., Teotia, M., Singh, D. P., Rathour, R. S., Singh, C. V., Tomar, N. P. S., Nath, M. and Singh, N. P. (1984). Endemic fluorosis: change to deeper bore wells as a practical community acceptable approach to its eradication. *Fluoride*, 17(1), 48.
321. Teutli-Sequeira, A., Solache-Ríos, M., and Balderas-Hernández, P. (2012). Modification effects of hematite with aluminum hydroxide on the removal of fluoride ions from water. *Water, Air, and Soil Pollution*, 223(1), 319-327.
322. Tomar, V., Prasad, S., and Kumar, D. (2014). Adsorptive removal of fluoride from aqueous media using *Citrus limonum* (lemon) leaf. *Microchemical Journal*, 112, 97-103.
323. Tome, F. V., M. P. B. Rodriguez, and J. C. Lozano. 2003. “Soil to Plant Transfer Factors for Natural Radio Nuclides and Stable Elements in a Mediterranean Area.” *Journal of Environmental Radioactivity* 65: 161–75.
324. Tor, A., (2006), Removal of fluoride from an aqueous solution by using montmorillonite. *Desalination*, 201, 267-276.
325. Tracy, P. W., Robbins, C. W., and Lewis, G. C. (1984). Fluorite precipitation in a calcareous soil irrigated with high fluoride water. *Soil Science Society of America Journal*, 48(5), 1013-1016.
326. Tripathy, S. S., Bersillon, J. L., and Gopal, K. (2006). Removal of fluoride from drinking water by adsorption onto alum-impregnated activated alumina. *Separation and purification technology*, 50(3), 310-317.
327. Trivedi, M. H., Verna, R. J., Chinoy, N.J., Patel, R. S., and Sathawara, N. G. (2007) Effect of high fluoride water on intelligence of school children in India. *Fluoride*, 40(3), 178–183.
328. Turner, B. D., Binning, P., and Stipp, S. L. S. (2005). Fluoride removal by calcite: evidence for fluorite precipitation and surface adsorption. *Environmental science and technology*, 39(24), 9561-9568.
329. UNDP/CGWB (United Nations Development Programme/Central Ground Water Board) (1976) Groundwater surveys in Rajasthan and Gujarat, India, Tech. Report, United Nations.
330. UNECEF (1999): State of Art Report on Extent of Fluoride in Drinking Water and the Resulting Endemicity in India Report by Fluorosis Research & rural Development Foundation for UNICEF, New Delhi.

331. Ünver, I. O., Gupta, R. K., & Kibaroglu, A. (Eds.). (2012). *Water development and poverty reduction* (Vol. 25). Springer Science & Business Media.
332. USEPA (U. S. Environmental Protection Agency)(1992). Guidelines for exposure assessment. *Federal Register*, 57(104), 22888-938.
333. Vardhan, C. V., & Karthikeyan, J. (2011). Removal of fluoride from water using low-cost materials. *International Water Technology Journal*, 1, 120-131.
334. Veeraputhiran, V., and Alagumuthu, G. (2011). Sorption equilibrium of fluoride onto *Phyllanthus emblica* activated carbon. *International Journal of Research in Chemistry and Environment*, 1, 42-47.
335. Venkateswarlu, P., Ratnam, M. V., Rao, D. S., and Rao, M. V. (2007). Removal of chromium from an aqueous solution using *Azadirachta indica* (neem) leaf powder as an adsorbent. *International Journal of Physical Sciences*, 2(8), 188-195.
336. Viswanathan, G., Gopalakrishnan, S., and Ilango, S. S. (2010). Assessment of water contribution on total fluoride intake of various age groups of people in fluoride endemic and non-endemic areas of Dindigul District, Tamil Nadu, South India. *Water research*, 44(20), 6186-6200.
337. Viswanathan, G., Jaswanth, A., Gopalakrishnan, S., & Aditya, G. (2009). Determining the optimal fluoride concentration in drinking water for fluoride endemic regions in South India. *Science of the total environment*, 407(20), 5298-5307.
338. Walton, H. F. (1962). Ion Exchange. FG Helfferich. McGraw-Hill, New York, 1962. ix+ 624 pp.
339. Watanabe, T., Kondo, T., Asanuma, S., Ando, M., Tamura, K., Sakuragi, S., and Chaoke, L. (2000). Skeletal fluorosis from indoor burning of coal in southwestern China. *Fluoride*, 33(3), 135-139.
340. Watanabe, T., Kondo, T., Asanuma, S., Ando, M., Tamura, K., Sakuragi, S., and Chaoke, L. (2000). Skeletal fluorosis from indoor burning of coal in southwestern China. *Fluoride*, 33(3), 135-139.
341. Weber, T. W., and Chakravorti, R. K. (1974). Pore and solid diffusion models for fixed-bed absorbers. *AIChE Journal*, 20(2), 228-238.
342. Weber, W. J., & Morris, J. C. (1963). Kinetics of adsorption on carbon from solution. *Journal of the Sanitary Engineering Division*, 89(2), 31-60.
343. Wenzel, W. W., and Blum, W. E. (1992). Fluorine speciation and mobility in F-contaminated soils. *Soil Science*, 153(5), 357-364.
344. Wenzel, W. W., and Blum, W. E. (1992). Fluorine speciation and mobility in F-contaminated soils. *Soil Science*, 153(5), 357-364.

345. Whitford, G. M. (1997). Determinants and mechanisms of enamel fluorosis. *Ciba Foundation Symposium*, 205, 226–241.
346. WHO (1984). Fluorine and Fluorides: Environmental health Criteria. WHO, Geneva Publ. No.36.
347. WHO (2004) Guidelines for drinking-water quality. Recommendations, vol 1. World Health Organization, Geneva.
348. WHO (World Health Organization), (1997). *Guideline for Drinking Water Quality Health Criteria and Other Supporting Information*, vol. 2, 2nd ed. Geneva.
349. Wodeyar, B. K., and Sreenivasan, G. (1996). Occurrence of fluoride in the ground-waters and its impact in Pedda-vankahalla basin, Bellary District, Karnataka—A preliminary study. *Current Science*, 70(1), 71-74.
350. World Health Organization (WHO). (2006). Guidelines for Drinking Water—First Addendum to the Third Edition, Vol. 1, Recommendations.
351. World Health Organization. (1984). *Guidelines for Drinking Water Quality, Vol 3: Drinking Water Quality Control in Small Community Supplies*. WHO Publications.
352. World Health Organization. (1996). Guidelines for drinking-water quality. Vol. 2, Health criteria and other supporting information.
353. Yadav, A. K., Abbassi, R., Gupta, A., & Dadashzadeh, M. (2013). Removal of fluoride from aqueous solution and groundwater by wheat straw, sawdust and activated bagasse carbon of sugarcane. *Ecological engineering*, 52, 211-218.
354. Yadav, A. K., Kaushik, C. P., Haritash, A. K., Singh, B., Raghuvanshi, S. P., and Kansal, A. (2007). Determination of exposure and probable ingestion of fluoride through tea, toothpaste, tobacco and pan masala. *Journal of hazardous materials*, 142(1), 77-80.
355. Yadav, J. P., Lata, S., Kataria, S. K., & Kumar, S. (2009). Fluoride distribution in groundwater and survey of dental fluorosis among school children in the villages of the Jhajjar District of Haryana, India. *Environmental geochemistry and health*, 31(4), 431-438.
356. Yi, J., and Cao, J. (2008). Tea and fluorosis. *Journal of Fluorine Chemistry*, 129(2), 76-81.
357. Zhou, Y., Yu, C., and Shan, Y. (2004). Adsorption of fluoride from aqueous solution on La³⁺-impregnated cross-linked gelatin. *Separation and Purification Technology*, 36(2), 89-94.
358. Zuo, Q., Chen, X., Li, W., and Chen, G. (2008). Combined electrocoagulation and electroflotation for removal of fluoride from drinking water. *Journal of hazardous materials*, 159(2), 452-457.

Other:

359. Smita R (2012). Fluoride level too high in 18 Gujarat districts' ground water. DNA. Retrived from <http://www.dnaindia.com/ahmedabad/report-fluoride-level-too-high-in-18-gujarat-districts-ground-water-1688565>.
360. Smriti Kak Ramachandran (2014), Huge population at fluorosis risk. The Hindu. <http://www.thehindu.com/sci-tech/health/policy-and-issues/huge-population-at-fluorosis-risk/article6733103.ece>.