

SCBE's PUBLICATIONS (2017/2018)

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2. Yoseph Assefa, Shimelis Admassu Emire and Marina Villanueva, Influence of milling type on tef injera quality *Food Chemistry*, 266 (2018) 155–160.



3. Anuradha Jabasingh S, Abubeker Yimam, Ravi T, Magnetic hetero-structures as prospective sorbents to aid arsenic elimination from life water streams, *Water Science*, , 32 (2018) 151–170.



4. Hanna Berhanu, Zebene Kiflie, Isabel Miranda, Ana Lourenc., Joana Ferreira, Sisay Feleke, Abubeker Yimam, Helena Pereira, Optimization of ethanol-alkali delignification of false banana(*ensete ventricosum*) fibers for pulp production using response surface methodology, *Industrial Crops and Products*, Ref no: INDCRO-D-18-0119942.



5. Mulugeta T. Sisay, Shimelis A. Emire and Hosahalli S.Ramaswamy. (2017). Residence time distribution and flow pattern of reduced-gluten wheat-based formulation in a twin-screw extruder. LWT-Food Science and Technology. 79, 213-2



6. Shegaw. A. Mohammed, Rames. C. Panda, B. Madhan, Berhanu. A. Demessie, 2017. Extraction of bio-active compounds from Ethiopian plant material Rumex abyssinicus (mekmeko) root – A study on kinetics, optimization, antioxidant and antibacterial activity. JTI Chem Eng. Vol.75, pp. 228-239.



7. SK Kassahun, Z Kiflie, DW Shin, SS Park, WY Jung, YR Chung . Optimization of sol-gel synthesis parameters in the preparation of N-doped TiO₂ using surface response methodology. Journal of Sol-Gel Science and Technology 82 (2), 322-334



8. Mulugeta Sisay Cheru, , Alberto Velázquez del Rosario Alberto, Abubeker Yimam Ali, Berhe Goitom Gebreyohannes and Bogale Tadesse 2018 Separation of Radioactive Elements from Ethiopian Kenticha Pegmatite Ore by Hydrometallurgical



9. Effect of feed components on quality parameters of wheat–tef–sesame–tomato based extruded products. *Journal of Food Science and Technology*. Springer. *Journal of Food Science and Technology*. Mulugeta Teamir, Shimelis Admassu Emire, Hosahalli S. Ramaswamy, Workneh T.S.



10. Berhe Goitom Gebreyohannes, Velázquez del Rosario Alberto, Abubeker Yimam, Girma Woldetinsae, and Bogale Tadesse. Alternative beneficiation of tantalite and removal (2017) of radioactive oxides from Ethiopian Kenticha pegmatite–spodumene ores, *International Journal of Minerals, Metallurgy and Materials*, Volume 24, Number 7, July 2017,



11. SK Kassahun, Z Kiflie, DW Shin, SS Park, WY Jung, YR Chung. Facile low temperature immobilization of N-doped TiO₂ prepared by sol–gel method. *Journal of Sol-Gel Science and Technology* 83 (3), 698–707



12. S. Anuradha Jabasingh, Habtamu Belachew, Abubeker Yimam, Arvind Kumar J, Iron Oxide Induced Bagasse Nanoparticles for the Sequestration of Cr⁶⁺ ions from Tannery Effluent using a Modified Batch Reactor, *Journal of Applied Polymer Science*, John Wiley and Sons, 2018. 135



13. Ravi T, Anuradha Jabasingh S, Preparation and characterization of higher degree-deacetylated chitosan- coated magnetic adsorbent for the removal of chromium (VI) from its aqueous mixture, *Journal of Applied Polymer Science*, 135 (9), 2018, pp. 58-78. **John Wiley and Sons.**



14. Shegaw. A. Mohammed, Rames. C. Panda, B. Madhan, Berhanu. A. Demessie, 2017. Rumex abyssinicus (mekmeko) extract as cleaner approach for dyeing in product manufacture: Optimization and modeling studies. *Asia-pacific Journal of Chemical Engineering*. Vol.13, pp. 1-19



15. Mulugeta Sisay Cheru, , Alberto Velázquez del Rosario Alberto, Abubeker Yimam Ali, Bogale Tadesse and Berhe Goitom Gebreyohannes : Hydrometallurgical removal of uranium and thorium from Ethiopian tantalite ore, *Physicochemical Problems of Mineral Processing*. (2018) DOI: 10.5277/ppmp18153



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16. Hanna Berhanu, Zebene Kiflie, Isabel Miranda, Ana Lourenc., Joana Ferreira, Sisay Feleke, Abubeker Yimam, Helena Pereira, 2018 Characterization of crop residues from false banana /Ensete ventricosum/ in Ethiopia in view of a full-resource valorization, *PLoS ONE* 13(7): e0199422. <https://doi.org/10.1371/journal.pone.0199422>



17. Goitom Gebreyohannes Berhe, Velázquez del Rosario Alberto, Abubeker Yimam, Girma Woldetinsae, and Bogale Tadesse. Decomposition of the Kenticha Manganotantalite ore by HF-H₂SO₄ and KOH fusion, *Physicochemical Problems of Mineral Processing*. (2017) DOI: <http://dx.doi.org/10.5277/ppmp1840>



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18. Genenu Alemu, Adamu Zegeye and Neela Satheesh (2017). Effect of mushroom flour on proximate composition and rheological properties of whole wheat flour bread' published in Annals of Food Science and Technology, Volume 18, Issue 3.



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25. S. Anuradha Jabasingh, Status of fertilizer application with a unique focus on biofertilizer in the land of Ethiopia-A Review, *Scholars Report*, 3(1) 2018, 1-6.
26. G Gebrehiwot, S. Anuradha Jabasingh, Abubeker Yimam, Production of Cellulosic Ethanol from Wood Sawdust by Sulphuric acid Hydrolysis, *Journal of Petroleum Engineering & Technology* 7 (3), 30-35, 2018.
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31. Kassahun, Z Kiflie, D Shin, S Park . Photocatalytic Decolorization of Methylene Blue by N-doped TiO₂ Nanoparticles Prepared under Different Synthesis Parameters, *Journal of Water and Environmental Nanotechnology* 2 (3), 136-144
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33. Influences of Different Drying Methods and Extraction Solvents on Total Phenolic and Flavonoids, and Antioxidant Capacity of *Moringa stenopetala* Leaves. *Journal of Pharmacognosy and Phytochemistry*, 2018; 7(1): 962-967. Debebe Dadi, Shimelis Admassu Emire, Asfaw Debella Hagos, Frehiwot Teka Assamo.
34. Effect of Mill Type and Mechanical Kneading Conditions on Fermentation Kinetics of Tef Dough During Injera making and Phytate to Mineral Molar Ratio of Injera. *Research & Reviews Journal of Food Science and Technology*. Yoseph Assefa, Shimelis Admassu Emire, Workineh Abebe, Felicidad Ronda.
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