

1125-54-1624      **Malachi Alexander, Selina Foster\*** (selina.foster@gmail.com), **Gianni Krakoff** and  
**Jennifer McLoud-Mann.** *Hexagonal Mosaic Knots.*

In their 2008 paper, *Quantum Knots and Mosaics*, Lomonaco and Kauffman introduce mosaic knots on square tilings of the plane. This paper generalizes the tiles, terms, and theorems from square tilings to hexagonal tilings. Additionally, we develop further constructions with properties unique to hexagonal mosaic knots, including minimal hextile number and algebraic saturation diagrams. (Received September 18, 2016)