1131-13-188   **Jen-Chieh Hsiao**, Mathematics Department, National Cheng Kung University, Tainan City, 70101, Taiwan, and **Laura Felicia Matusevich***, Department of Mathematics, Texas A&M University, College Station, TX 77843. *Bernstein-Sato polynomials on normal toric varieties.*

We generalize the Bernstein–Sato polynomials of Budur, Mustaţă, and Saito to ideals in normal semigroup rings. In the case of monomial ideals, we also relate the roots of the Bernstein–Sato polynomial to the jumping coefficients of the corresponding multiplier ideals. In order to prove the latter result, we obtain a new combinatorial description for the multiplier ideals of a monomial ideal in a normal semigroup ring. (Received July 14, 2017)