1067-00-3   **Kannan Soundararajan***, Stanford University, Department of Mathematics, 450 Serra Mall
                   Bldg 380, Stanford, CA 94305-2021. *The Riemann zeta-function and related L-functions: A*
                   progress report.

One of the outstanding open problems in mathematics is the Riemann hypothesis and its generalizations describing the location of zeros of L-functions. While this goal appears distant, there has been a lot of progress on related questions, and in some cases this had led to the resolution of long-standing problems. I will survey some of the recent results in this area. (Received September 25, 2010)