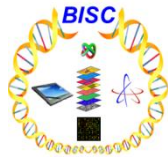# Dr. Ferhan Atici
Department of Mathematics

Current Research:

- Recurrence Relations (Difference Equations)
- Modeling with Difference Equations
- Theory of Difference Equations
- Dynamic Equations on Time Scales
- Modeling and Data Fitting with Discrete Fractional Equations
- Theory of Discrete Fractional Equations
- Applications in Medical Sciences and Economics

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- Recently, I am working on modelling with dynamic equations.

  – Dynamic equations are unified version of difference and differential equations and others.

  – The domain what we call Time scale is a nonempty closed subset of real numbers. So if we start with any time scale then we are considering R(real numbers), Z (integers), C (cantor set) and many others as examples.

- I am also interested in the study of equations and the qualitative behaviors of their solutions.