

- Non-traditional methods for solving partial differential equations.
- Sinc-method in solving integro-differential equations
- Comparison between wavelet and Sinc-Galerkin in solving integral equations.
- Flow in porous media.
- Modeling of free boundary phenomena (Stefan problems)
- Fisher and Telegraph equations
- Wavelet analysis and the solution of partial differential equations.
- Genetic algorithm and Neural networks and their applications
- On the solution of stochastic differential equations
- Adomian decomposition method and its applications
- Numerical methods for the solution of integral and integro-differential equations