

**Contact Info:**



**Name:** Mohamed Naim Yehia Anwar

**Title:** Professor

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**Biographical sketch:**  
(Academic Degrees- Fellowships and Associations)

University of New Brunswick, Canada, Ph.D. (Mathematics), 1979  
University of New Brunswick, Canada, M.Sc. (Mathematics)1976  
University of Alexandria, B.Sc. (Mathematics), 1973  
University of Alexandria, B.Sc., (Electrical Engineering), 1970

**Publications:**

I have over 60 scientific publications.  
I have a UAEU research grant RSA 2014-09, (Assimilation of Doppler Lidar Data for High Resolution Weather, Visibility and Pollution Forecasting in UAE

**Research Interests & Selected Publications (2013 - 2016):**

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|  | <ol style="list-style-type: none"> <li>1. Muhammed I. Syam, M.N. Anwar, A computational method for solving a class of non-linear singularly perturbed Volterra Integro-differential boundary-value problems, Journal of Mathematical and Computational Science, 3(1), 2013.</li> <li>2. F.A. Rihan, M. Naim Anwar, "Qualitative Analysis of Delayed SIR Epidemic Model With a Saturated Incidence Rate", International Journal of Differential Equations, 2013, pages 13.</li> <li>3. F. A. Rihan, M. Naim Anwar, M. Sheek-Hussein, S. Denic, "SIR Model of Swine Influenza Epidemic in Abu Dhabi: Estimation of Vaccination Requirement", Journal of Public Health Frontier (PHF), Vol. 1 (4), (2013) pp. 85-89.</li> <li>4. F. Rihan, M. Naim Anwar, Delayed SIR Model with saturated incidence rate. NUMDIFF-14, Halle, Germany 2015</li> <li>5. M. I. Syam, Q. Al-Mdallal, M. Naim Anwar, An Efficient Numerical Algorithm for Solving Fractional Higher-Order Nonlinear Integrodifferential Equations," Abstract and Applied Analysis, vol. 2015, 9 pages, 2015.</li> <li>6. Fathalla A. Rihan, M. Naim Anwar, C.G. Collier, Data Assimilation of Doppler Radar Winds for Numerical Weather Prediction, the 11th AIMS Conference on Dynamical Systems, Differential Equations and Applications, Orlando, Florida, USA, July 1 - July 5, 2016</li> </ol> |
| <p><b>Academic Research Interests:</b></p> | <p>My research interests cover the areas of Numerical analysis, differential equations, numerical and mathematical modeling.</p>   |

