***Curriculum Vitae***

**Asst. Prof. Dr. Nabaa Najdi Hasan**

***Mustansiriyah University – College of Science***

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**Personal Summary:** Nabaa Najdi Hasan\ Iraq\Baghdad\birth7-1- 1971

**Education:**

* Ph.D. #1: University of Technology\ Applied Mathematics\ 2009
* M.Sc. #2: University of Technology\ Applied Mathematics\ 1999
* B.Sc. #3: Baghdad University\ College of sciense\Department of mathematics

**ACADEMIC /TEACHING EXPERIENCE:**

* #1: Approximation Theory
* #2: Operation Research
* #3. Real Analysis
* #4 Differential Equations

**COURSES TAUGHT:**

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| --- | --- |
| **Undergraduate** | **Graduate** |
| Theory of Ordinary Differential EquationsReal AnalysisOperation Research | Approximation Theory & Numerical AnalysisIntegral Equations |

**PUPLICATIONS:**

1. "The approximation solution of nonlinear Volterra weakly singular integro-differential equations by using chebyshev polynomials of the first kind", J. of research in environmental and earth sciense, vol.2, 2016
2. "The approximation solution of nonlinear Fredholm weakly singular integro-differential equations by using chebyshev polynomials of the first kind", IOSR journal of math, vol.12, 2016
3. "The convergence of the expansion method of chebyshev polynomials",J. Mathmatical theory and modeling, vol.6 ,no, 5, 2016
4. "Variational iteration method for solving system of fractional order ordinary differential equations", IOSR journal of math, vol.10, 2014
5. "Adomian decomposition method applied to nonlinear system of fractional Fredholm integro-differential equatoins, Al-mustansiriyah J. Of science, vol.24,no.5, 2013
6. "Nmerical approach of linear Volterra integro-differential equations using Generalized spline functions", 2013
7. "Wavelet polynomials for solving linear fractional partial differential equations", J. Of the college of basic edction, vol.19, no. 79, 2013
8. "Generalized spline approximation methods sing types I, II, *k* ", the 4th international scientific conference of Salaheldin university, Erbil, Oct. 18-20, 2011
9. "Constructing generalized spline surface sing tensor product method", J. of Basrah researcher, vol.37, no.4, 2011
10. "Generalized spline approximation method for solving ordinary and partial differential equations", Eng&Tech. Journal, vol.28, no.14, 2016
11. "Generalized Spline Method for Integro-Differential Equations of Fractional Order", Iraqi Journal of Science, 2018, Vol. 59, No.2C, pp: 1093-1099, DOI:10.24996/ijs.2018.59.2C.13.
12. Generalized Spline Approach for Solving System of Linear Fractional Volterra Integro-Differential Equations, Ibn Al-Haitham Jour. for Pure & Appl. Sci, Vol. 31 (1) 2018.
13. Existence and Uniqueness Solution of Linear fractional Volterra Integro-Differential Equations, J. of Engineering and Applied Science pp.5418-5419,2019.
14. Analytical Approximations for Nonlinear Integral and Integro-Differential Equations, Al-Mustansiriyah Journal of Science, ISSN: 1814-635X (print), ISSN:2521-3520, Volume 30, Issue 3, 2019
15. Cubic Trigonometric Spline for Solving Nonlinear Volterra Integral Equations, Iraqi Journal of Science, Vol.60, No.12, pp: 2697-2705, 2019

**PROFFESSIONALDEVELOPMENT**

1. International conference of mathematics and its applications (ICMA), university of Basrah, Mar., 1-3, 2011
2. The 4th international scientific conference of Salaheldin university, Erbil, Oct. 18-20, 2011
3. The 9th cnference of the college of science, Al-Mstansiriyah university May , 6-7, 2013
4. The 1st international conference on safety and security of scientific applications,college of science, Mustansiriyah university September 26-27, 2018.