

**BACKGROUND
HACI MEHMET BASKONUS**

| | |
|------------------------|---|
| Passport Number | S00663213 |
| Birth Year | 10.07.1982 |
| Marital status | Single |
| Addresses | Department of Mathematics, Fırat University, 23100 Elazığ/TURKEY |
| Phone | 0554 871 48 46 |
| E-mail | hmbaskonus@gmail.com |

AREAS OF EXPERTISE

1. Applied Mathematics,
2. Differential Equations,
3. Basic Mathematics,
4. General Matematics,
5. The solution of nonlinear Differential equations by HPM,ADM, STM,LTM,..
6. Mathematica
7. Latex,

Publications

A. Article in the International Referee Journals

- A1.** BULUT H., **BASKONUS H. M.**, ‘A Comparison Among Homotopy Perturbation Method And The Decomposition Method With The Variational Iteration Method For Dispersive Equation’, International Journal of Basic & Applied Sciences (IJBAS), Vol: 9 No: 10, Pp:32-42, **2009**.
- A2.** BULUT H. , **BASKONUS H. M.**, OZGEN H.H., ‘Numerical Solution Study On The Burgers’ Equation with Homotopy Perturbation Method’, International Journal of Basic & Applied Sciences (IJBAS) Vol: 10 No: 01, Pp:8–13, **2010**.
- A3.** Hasan Bulut and **H. Mehmet Başkonuş**, ‘A Study On The Numerical Solution Of The Third-Order Dispersive Equations With Homotopy Perturbation Method’, e-Journal of New World Sciences Academy, Vol: 5, No: 1, Article Number: 3A0020, **2010**.
- A4.** Hasan Bulut, **H. Mehmet Baskonus**, ‘Numerical Solution Study on KDV, the Burgers and the K(2,2) Equations with HPM’, Journal of Advanced Research in Differential Equations, Vol:2, Issue.1, Pp:73-86, **2010**.
- A5.** Hasan Bulut, **H. Mehmet Baskonus**, ‘Geometrical Interpretation And A Comparative Study Between Three Different Methods For Solving The Non-Linear Kdv Equation’, Journal of Advanced Research in Scientific Computing, Vol:2, Issue:1, Pp:69–76, **2010**.
- A6.** Hasan BULUT and **H. Mehmet BASKONUS**, ‘Numerical Solution Study On The Nonlinear Damped Generalized Regularized Long-Wave (DGRLW) with Homotopy Perturbation Method’, Applied Mathematical Sciences, Vol. 4, no. 65, **2010**.
- A7.** Hasan BULUT, **H Mehmet BASKONUS**, Seyma TULUCE and Tolga AKTURK, ‘A Comparison between HPM and ADM for The Nonlinear Benjamin-Bona-Mahony Equation’, International Journal of Basic & Applied Sciences (IJBAS), Vol: 11 No: 03, Pp:146–157, **2011**.
- A8.** Hasan BULUT, **H Mehmet BASKONUS** and Seyma TULUCE, ‘Homotopy perturbation sumudu transform method for one and two dimensional homogeneous heat equations’, International Journal of Basic & Applied Sciences (IJBAS), Vol: 12 No: 01, Pp:06-16, **2012**.
- A9.** Bulut, H., **Baskonus, H.M.**, and Tuluçe, S., Homotopy perturbation sumudu transform Method For one-two-three-dimensional initial value problems, e-Journal of New World Sciences Academy NWSA-Physical Sciences, 3A0051, 7, (2), 55-65. **2012**.
- A10.** Hasan Bulut, **H. Mehmet Baskonus**, Seyma Tuluçe, The solution of wave equations by Sumudu transform method, Journal of Advanced Research in Applied Mathematics, Online ISSN: 1942-9649, 4(3), 1-7, **2012**.

B. International Conferences and Symposiums

- B1.** H. BULUT, M. Inc, **H. M. BASKONUS**, ‘A Comparison Between The Homotopy Perturbation Method And Adomian Decomposition Method For A Generalized Fitzhugh-Nagumo Equation With Initial Condition’. 4th Ankara Mathematics Days, Metu, Ankara, **2009**.
- B2.** Hasan BULUT, **H. Mehmet BASKONUS**, H.Hüseyin ÖZGEN, ‘On The Geometric Interpretations Of The Klein-Gordon Equation And Solution Of The Equation By The Homotopy Perturbation Method’. National Symposium 8th Geometry, Antalya, **2010**.
- B3.** Hasan BULUT, **H. Mehmet BASKONUS**, Tolga AKTURK, ‘Geometrical Interpretation And A Comparative Study Between Three Different Methods For Solving The Non-Linear Kdv Equation’. National Symposium 8th Geometry, Antalya, **2010**.

B4. Hasan BULUT and **H. Mehmet BASKONUS**, ‘Numerical Solution Study On The Nonlinear Benjamin–Bona–Mahony Equation With Homotopy Perturbation Method’, 5th Ankara Mathematics Days, Tobb, Ankara, **2010**.

B5. Hasan BULUT and **H. Mehmet BASKONUS**, ‘Oscillations of solutions of initial value problems for parabolic equations by the homotopy perturbation method’, Bulgarian-Turkish-Ukrainian Scientific Conference, “Mathematical Analysis, Differential Equations And Their Applications”, September 15-20, **2010**.

B6. Hasan BULUT and **H. Mehmet BASKONUS**, ‘Numerical Solution Study On Kdv Equation, The Burgers Equation And The K(2,2) Equation With Homotopy Perturbation Method’, The 3rd International Symposium on Nonlinear Dynamics, 25-28 September 2010, Shanghai, **2010**.

B7. H. Bulut, **H. M. Baskonus**, S. Tuluce, ‘Application of the Homotopy Perturbation Method for nonlinear (3+1)-Dimensional Breaking Soliton Equation’, The 4th Congress of the Turkic World Mathematical Society (TWMS), 1-3 July 2011, Baku, **2011**.

B8. Hasan BULUT, **H Mehmet BASKONUS** and Seyma TULUCE, ‘The Solutions of Partial Differential Equations with Variable Coefficient by Sumudu Transform Method’, Icnpaa 2012 World Congress: 9th International Conference On Mathematical Problems In Engineering, Aerospace And Sciences, 10 –14 July, Vienna, Austria, **2012**.

B9. Hasan BULUT, Seyma TULUCE and **H Mehmet BASKONUS**, ‘The Solutions of Initial Value Problems by Sumudu Transform Method’, International Conference on Mathematical Analysis, Differential Equations and Their Applications, 04-09 September, Mersin, TURKEY, **2012**.

B10. Hasan BULUT, **H. Mehmet BASKONUS** and Seyma TULUCE, ‘The solutions of homogenous and nonhomogenous linear fractional differential equations by variational iteration method’, National Conference on 11. Mathematical Symposium, 19-21 September, Samsun, TURKEY, **2012**.