



Salam Adel Al-Bayati

سلام عادل احمد البياتي

Lecturer

ACADEMIC TITLES

2019-01-21 Lecturer

PUBLICATIONS (18)

- DRBEM Modelling of Time-Dependent Convection-Diffusion Problems with First-Order Chemical Reaction and Variable Flow Velocity Using Multiple Radial Basis Functions**
14th United Kingdom Conference on Boundary Integral Methods (UKBIM14), 2025 | 2025
- Advanced DRBEM Modelling of Coupled Transport Phenomena in Thermo-Fluid Systems**
British Mathematical Colloquium and British Applied Mathematics Colloquium ..., 2025 | 2025
- Computational Modelling Based on RIBEM Method for the Numerical Solution of Convection-Diffusion Equations**
Integral Methods in Science and Engineering, 1-13, 2023 | 2023
- On the First Natural Triangular Representations of the Symmetric Groups**
Iraqi Journal of Science, 2391-2404, 2023 | 2023
- The development of the unified version mixing maps between arbitrary sets**
Iraqi Journal of Science, 1285-1298, 2022 | 2022
- Numerical modelling of convection-diffusion problems with first-order chemical reaction using the dual reciprocity boundary element method**
International Journal of Numerical Methods for Heat & Fluid Flow 32 (5 ..., 2022 | 2022 | Cited: 16
- Numerical modelling of convection-diffusion problems with first-order chemical reaction using the dual reciprocity boundary element method**
International Journal of Numerical Methods for Heat & Fluid Flow 32 (5 ..., 2021 | 2021 | Cited: 5
- Transient Convection-Diffusion-Reaction Problems with Variable Velocity Field by Means of DRBEM with Different Radial Basis Functions**
Computational and Analytic Methods in Science and Engineering, 2020 | 2020 | Cited: 5
- A DRBEM Formulation for Two-Dimensional Coupled Viscous Non-Linear Burger's Equations**
Twelfth UK Conference on Boundary Integral Methods (UKBIM12), 2019 | 2019
- Radial integration boundary element method for two-dimensional non-homogeneous convection-diffusion-reaction problems with variable source term**
Engineering Analysis with Boundary Elements 101, 89-101, 2019 | 2019 | Cited: 36
- A novel dual reciprocity boundary element formulation for two-dimensional transient convection–diffusion–reaction problems with variable velocity**
Engineering Analysis with Boundary Elements 94, 60-68, 2018 | 2018 | Cited: 58
- The dual reciprocity boundary element formulation for convection-diffusion-reaction problems with variable velocity field using different radial basis functions**
International Journal of Mechanical Sciences 145, 367-377, 2018 | 2018 | Cited: 49
- Numerical Modelling of Convective-Diffusive-Reactive Problems in Thermo-Fluids**
Poster Conference, 2018 | 2018
- Boundary Element Analysis for Convection-Diffusion-Reaction Problems Combining Dual Reciprocity and Radial Integration Methods**
Brunel University London, 2018 | 2018 | Cited: 8
- DRBEM formulation for convection-diffusion-reaction problems with variable velocity**
Eleventh UK Conference on Boundary Integral Methods (UKBIM 11), 5-14, 2017 | 2017 | Cited: 7

CONTACT

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EDUCATION

دكتوراه (01-11-2018)

Applied Mathematics

Brunel University London

RESEARCH METRICS

h-index (Scopus)	4
h-index (GS)	7
Citations (Scopus)	133
Citations (GS)	186
Documents (Scopus)	7
Documents (GS)	17

RESEARCH INTERESTS

• Applied and Computational Mathematics



16. **A Reliable Algorithm of Homotopy Analysis Method for Solving Fuzzy Integral Equations of Fractional Order**
Basrah Journal of Science 34 (3), 104-119, 2016 | 2016
17. **Solving fuzzy fractional boundary value problems using fractional differential transform method**
Al-Nahrain Journal of Science 16 (4), 225-232, 2013 | 2013 | Cited: 7
18. **Estimation of Parameters for Weibull Distribution with Application by Using Monte Carlo Simulation**
Al-Nahrain University, Baghdad, Iraq - MSc Thesis, 2008 | 2008