

CURRICULUM VITAE

PERSONAL DATA

Name	Dr. Khalid Masood
Nationality	Pakistani
Position	Associate Professor
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EDUCATION

Year	Academic Degree	Institution
2002	Ph. D.	King Fahd University of Petroleum & Minerals, Dhahran, Saudi Arabia
1993	MA	SUNY at Buffalo, USA
1990	M. Phil	Quaid-i-Azam University, Islamabad Pakistan
1987	M. Sc.	Govenment College University, Lahore Pakistan

WORK EXPERIENCE

Period	Position	Address
Nov. 2022- to date	Associate Professor	Imam Muhammad Bin Saud Islamic University, Riyadh, Saudi Arabia
Sep. 2020-Oct. 2022	Professor	The Green International University, Lahore Pakistan
Jan. 2014- Aug. 2019	Associate Professor	University of Hafr-al-Batin Saudi Arabia
Jan.2009-Jan. 2014	Associate Professor	ACHB-KFUPM, Saudi Arabia
Sep.2002-Jan. 2009	Assistant Professor	Hafr Al Batin Community College, KFUPM, Saudi Arabia
Sep.1997-Aug.2002	Lecturer - B	KFUPM, Dhahranm, Saudi Arabia

RESEARCH INTERESTS

Applied Mathematics, Direct and Inverse Boundary Value Problems

PUBLICATIONS

1. F. D. Zaman and Khalid Masood, An inversion procedure for the recovery of propagation speed and damping of the medium, *IL Nuovo Cemento .C.*, 25(3): 263-271, 2002.
2. Khalid Masood and F. D. Zaman, An initial inverse Problem of heat conduction in a plate with a hyperbolic model, *Intern Math. Journal*, 2(3), 237-251, 2002.
3. Khalid Masood, S. Messaoudi and F.D. Zaman, Initial inverse problem in heat equation with Bessel operator, *Int. Journal of Heat and Mass Transfer*, 45(14): 2959-2965, 2002.
4. F. D. Zaman and Khalid Masood, Shear velocity inversion procedure for Love waves, *Journal of Technical Physics*, 44, 3, 295-301, 2003.
5. Khalid Masood, S. Messaoudi and F. D. Zaman, Recovery and Regularization of the Initial Temperature Distribution in a Cylinder, *Journal of Heat and Technology*, 21, 2, 155-160, 2003.
6. Khalid Masood and F.D. Zaman, initial inverse problem in a two-layer heat conduction model, *The Arabian Journal of Science and Engineering*, 29, 1B, 3-12, 2004.
7. Khalid Masood and F. D. Zaman, Investigation of the Initial Inverse Problem in the Heat Equation, *Journal of Heat Transfer*, 126, 2, 294-296, 2004.
8. F. D. Zaman and Khalid Masood, Direct and inverse acoustic scattering problem over a two-part impedance ground in a moving fluid by using Weiner-Hopf technique, *Journal of Technical Physics*, 46, 1, 1-13, 2005.
9. F. D. Zaman, Khalid Masood and Z. Muhiameed, Recovery of Variation in Density and Bulk Modulus in the Presence of Damping, *Far East Journal of Mathematical Sciences*, 17(1), 93-105, 2005.
10. F. D. Zaman and Khalid Masood, Investigation of the direct and inverse solutions for torsional waves propagating in a cylinder, *Applied Mathematics and Computation*, 173, 1238-1245, 2005.
11. Khalid Masood, Investigation and Regularization of the Initial Inverse Problem in the Two Dimensional Heat Equation, *Journal of Heat and Technology*, 23(2), 37-42, 2005.
12. F. D. Zaman, Khalid Masood and Z. Muhiameed, Inverse Scattering in Multilayer Inverse Problem in the Presence of Damping, *Applied Mathematics and Computation*, 176(2), 455-461, 2006.
13. Khalid Masood, Recovery and Regularization of the Initial Temperature Distribution in a Two-Layer Cylinder with Perfect Thermal Contact at the Interface, *Proceedings*

of the Japan Academy, Ser. B, 82(7), 224-231, 2006.

14. F. D. Zaman, Khalid Masood and Z. Muhiameed, Testing of the Inverse Problem with Constant-Background in the Presence of Damping in a Single Layer, *Bollettino di Geo.sica Teorica ed Applicata*, 47(4), 577-590, 2006.

15. Khalid Masood and F. D. Zaman, Recovery of Medium Properties in Three Dimensions with Three-Dimensional Parameters Variability, *Journal of Technical Physics*, 48(1), 29-38, 2007.

16. Khalid Masood and M. T. Mustafa, Stabilizing of an Ill-Posed Inverse Problem by using Smoothing Splines and Hyperbolic Heat Equation, *Inverse Problems in Science and Engineering*, 16(2), 233-247, 2008.

17. Khalid Masood and M. T. Mustafa, A smoothing spline-based regularization of initial inverse problem in two dimensional heat equation, *Proc. IMechE Part C: J. Mechanical Engineering Science*, Vol. 223, 439-449, 2008.

18. M. T. Mustafa and Khalid Masood, Symmetry solutions of a non-linear elastic wave equation with third order anharmonic corrections, *Appl. Math. Mech.* 30(8), 1017-1026, 2009.

19. Khalid Masood and M. Yousuf, Solution of the Initial Inverse Problems in the Heat Equation Using the Finite Difference Method with Positivity-Preserving Padé Schemes, *Numerical Heat Transfer, Part A*, 57(9), 691-708, 2010.

20. M. T. Mustafa, A. F. M. Arif, and Khalid Masood, Approximate Analytic Solutions of Transient Nonlinear Heat Conduction with Temperature-Dependent Thermal Diffusivity, *Abstract and Applied Analysis*, vol. 2014, Article ID 423421, 12 pages, 2014.