

Dr. Tapas Kr. Bandyopadhyay

Assistant Professor

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Education:

- Master in Intellectual Property Law (IGNOU)
- PhD: Metallurgical and Materials Engineering, Indian Institute of Technology, Kharagpur
- M.E, Physical Metallurgy, B.E College, Shibpur (D.U)
- B.E, Metallurgical Engineering, B.E College, Shibpur, Calcutta University

Employment:

- 08/2006-till date: Assistant Professor, Rajiv Gandhi School of Intellectual Property Law & Department of Metallurgical and Materials Engineering, Indian Institute of Technology Kharagpur
- 04/2005-08/2006: Scientist Energy Technologies, NTPC Ltd. India
- 03/2003-04/2005: Examiner of Patents and Designs, Ministry of Commerce, Govt. of India
- 01/2001-02/2003: Research Associate, CSIR, India
- 04/1999-12/2002: SRF, CSIR, India
- 03/1995 – 07/1997: Metallurgist, Indian Copper Development Centre, Kolkata

List of Publications:

1. P.J. Roy Chowdhury, P.S. Banerjee and **T.K. Bandyopadhyay**, “ Corrosion Behaviors of Copper and G.I tubes”, *Copper Topic*, Vol.22, No. 3, 1997.
2. K. Das and **T. K. Bandyopadhyay**, “Application of Differential Scanning Calorimetry (DSC) kinetic Methods to Determine the Kinetic Parameters of α Precipitation in a 60/40 Brass”, *Scripta Metallurgica et Materialia*, 44(2001), 2597-2603.
3. **K. Das, T. K. Bandyopadhyay**, and S. Das, “A Review of the synthesis of Fe-TiC composites” *Journal of Material Science*, vol.37, (2002), pp.2881-2892.
4. S. Das, P.P. Bandyopadhyay, **T.K. Bandyopadhyay**, S.Ghosh, and A.B. Chattopadhyay, “Processing and Characterization of Plasma Sprayed Ceramic Coatings on Steel Substrate”; Part I: On Coating Characteristics, *Met & Mat Trans. A*, vol. 34A, 2003, pp.1909.
5. S. Das, P. P. Bandyopadhyay, **T. K. Bandyopadhyay**, S. Ghosh, and A.B. Chattopadhyay, “Processing and Characterization of Plasma Sprayed Ceramic Coatings on Steel Substrate”; Part II: On Coating Characteristics, *Met & Mat Trans. A*, vol. 34A, 2003, pp.1919.
6. S. Ghosh, S. Das, **T.K. Bandyopadhyay**, P.P. Bandyopadhyay, and A.B. Chattopadhyay, Indentation Responses of plasma Sprayed Ceramic Coatings, *J. of materials Science*, vol.38, 2003, pp.1565.
7. **K. Das, T. K. Bandyopadhyay**, S. Ghosh and A. B. Chattopadhyay, “Development of a cutting tool from an industrial waste,” *Materials and Manufacturing Processes*, vol.19, No.2, pp.313, 2004
8. K. Das and **T. K. Bandyopadhyay**, “Synthesis and characterization of ZrC-reinforced iron-based composite,” *Materials Science and Engineering A* 379, pp. 83-91, 2004.

9. K. Das and **T. K. Bandyopadhyay**, "Effect of form of carbon on the microstructure of in situ synthesized TiC-reinforced iron-based composite," *Materials Letters*, vo.58, pp 1877-1880, 2004.
10. **T. K. Bandyopadhyay**, K. Das and S. Chatterjee, "Synthesis and characterization of TiC-reinforced iron-based composites – Part I: on synthesis and microstructural characterization," *Journal of Materials Science*, vol.39, pp. 5735-5742, 2004
11. **T. K. Bandyopadhyay**, and K. Das, "Synthesis and characterization of TiC-reinforced iron-based composites – Part II: on mechanical characterization," *Journal of Materials Science*, *Journal of Materials Science* vol. 39 issue 21 November 01, 2004. p. 6503-6508.
12. **T.K.Bandyopadhyay** and K. Das, "Development and characterization of ZrC reinforced steel-based composite," *J. of Materials Processing and Technology*, (2006)
13. **T. K. Bandyopadhyay**, and K. Das, "Synthesis and Characterization of TiC-reinforced austenitic matrix composites" *J. of Materials Science Letters*, **40, 5007-5010** (2005)
14. A. Anal, **T.K.Bandyopadhyay**, and K. Das, " Development of TiB₂- reinforced iron-based composites" *J. of Materials Processing and technology*, **172, 70-76** (2006)
15. A.Pandit, S.Das,**T.K.Bandyopadhyay**, K.Das, "Processing and characterization of plasma sprayed Mullite coating on mild steel substrate" *J. of Mat. Sci. Letters*, **40, 5087-5089** (2005)
16. **T. K. Bandyopadhyay** and Karabi Das "Processing and characterization of ZrC-reinforced steel based composites, *J. Mat. Processing Technology*, 2006
17. Nanomaterials and Effects on Biological Systems: Development of Effective Regulatory Norms by Padmavati Manchikanti & **T.K.Bandopadhyay** *Nanoethics*, DOI **10.1007/s11569-0** (2010)

18. Applicability of Doctrine of equivalent and prosecution history estoppels in Indian patent system by **T.K Bandyopadhyay** and T. Singharoy, *Int.Journal of Intellectual Property Management*, **Vol.X** (2012)
19. Managing Competition: Scrutinising the Indian Patent Act 1970 by **T.K. Bandyopadhyay** and Saurabh Bindal *European Competition Law Review*, **Vol 33** (2012)
20. Effect of tempering on microstructure and tensile properties of niobium modified martensitic 9Cr heat resistant steel by A. Mandal, and T.K.Bandyopadhyay *Materials Science and Engineering*, Vol. 620, pages 463- (2014)
21. Innovative Ecosystem for Ayurveda in India: Issues and Concerns. by Bandyopadhyay T.K., Kandasamy M *International Journal of Medicine*, Photon 104, 187-199 (2015)
22. The Birth and Death of Swiss Type Claims in Europe by S.Bindal, and T.K.Bandyopadhyay *Manupatra Intellectual Property Reports*, September 2014 (2014)
23. Characterization of Microstructure and Mechanical Properties of 9.2Cr0.45V0.7C Heat Resistance Steel by A. Mandal, K Guguloth, T K Bandyopadhyay *Metallography Microstructure and Analysis*, 5(24) (2016)
24. Effect of 8-13WT%Mn on the Microstructural Characterization of Fe-Mn-C Steel, by , Arnab Sarkar, Tapas Bandyopadhyay *International Journal of Material Science*, 5, Issue 1, (2015)
25. AN ANALYSIS OF OBVIOUSNESS STANDARD IN PATENT LAW- US AND INDIAN PERSPECTIVE by MIRIAM DIVYA WILLIAMS*, AND DR. T.K.BANDYOPADHYAY , (2015)
26. Kinetic Modeling of Laccase Mediated Delignification of Lantana camara by Lohit K Srinivas Gujjala,,Tapas K BandyopadhyayRintu Banerjee, *Bioresource Technology*, (accepted) (2016)
27. Applicability of Tort Law for Protection of Trademark by Mansee Teotia and Bandyopadhyay TK *Intellectual Property Rights: Open Access*, (2015)
28. EU Avalanche of 700 Generic Drugs on India by Mansee Teotia, Indranil Saha and Bandyopadhyay TK *International Journal of Drug Development and Research*, (2016)
29. Microstructure, mechanical and oxidation behavior of niobium modified 9% chromium steel by A Mandal, T K Bandyopadhyay *TMS (The Minerals, Metals and Materials Society)* doi: 10.1002/9781119263722.ch99, p. 787-795 (2016)

Patent:

1. "Process for synthesis of TiC-reinforced iron based composite", Granted Indian Patent; Patent no.233871
2. Titanium modified 9%Cr steel for high temperature application and method of production thereof : filed (Ref : 394/KOL/2015)

Award and Prize:

1. Merit award for securing First position in Master of Engineering
2. CSIR Research Associate
3. First prize in Metallographic contest in COMPOSITE 2000
4. Microsoft CLE award

Book:

Intellectual Property Law-An introduction by T. K.Bandyopadhyay, and Saurabh Bindal (Eastern Book Company, 2015)