

Atiqur Rab Siddiqui

E-mail	satiquir@hotmail.com
Academic Career	<ul style="list-style-type: none">• M.S. (Metallurgical Engg.), from Institute of Materials Sciences & Research, Pakistan Steel affiliated with NED University of Engineering & Technology, Karachi, 1996• B.E. (Mechanical Engineering), from NED University of Engineering & Technology, Karachi, 1992 securing 77% marks.
MS Thesis	<ul style="list-style-type: none">• Effect of banded structure on Mechanical properties of API grade steel
Expertise	Materials & Metallurgy.
Industrial Experience	Worked as Assistant manager in Heat treatment Department of Pakistan Machine Tool Factory from December 11 th 2001 to January 21, 2002..
Teaching Experience	Working as senior lab Engineer in Mechanical Engineering Department, NED university of Engineering and Technology since 22 nd January 2002 to date. Worked as MS Engineer/Faculty Member in the Institute of Materials Sciences & Research PAKISTAN STEEL from 7 th February 1996 to December 10 2001. During the period I was engaged in organizing seminars, teaching MSc (Met. Engg.) and DAE students.
Research Experience	Worked as MS Engineer/Faculty Member in the Institute of Materials Sciences & Research PAKISTAN STEEL from 7 th February 1996 to December 10 2001. During the period I was also engaged in advising MSc research project and conducting various plant oriented research projects like: <ul style="list-style-type: none">• Reason of bend test failure of galvanized steel sheet• Reason of hairline cracks in SSA-21 grade steel• Improving lining plates life used in various chutes of sintering plant.• Reason of excessive consumption of descaling nozzles at hot strip mill• Possibility of casting cold heading steel at bloom continuous casting machine• Improvement of brake block life being used in the locomotive wheels• Possibility of using air cooled blast furnace slag in cement industries• Reason of weld joint failure at the pickling unit of cold rolling mill• Reason of frequent failure of heavy bearing in the

finishing strand of HSM.

Professional Memberships	Pakistan Engineering Council.
Teaching Interest	Materials and Metallurgy, Heat Treatment, Mechanical properties of Materials, Manufacturing processes.
Honors	Nominated internal examiner of Supplementary Examinations of B.E (Metallurgy) Presented papers in various national and international conferences
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Paper presented/published

- 1. Effect of chemical composition and microstructure on the brake block life of locomotive**
Presented at 5th International symposium on Advanced Materials 1997, Islamabad
- 2. Statistical Model for predicting correct amount of deoxidizer on Al killed grade casted at slab caster of Pakistan Steel**
Presented at 6th International symposium on Advanced Materials 1999, Islamabad and published in the proceedings
- 3. Possibility of using air cooled blast furnace slag in cement industries**
Presented at 6th International symposium on Advanced Materials 1999, Islamabad
- 4. Effect of Banded structure on the Mechanical properties of API grade steel**
Published in Pakistan Steel Research Journal Vol 1, ISSN 1025-997X
- 5. Petrography of coal and its application to coking**
Published in Pakistan Steel Research Journal Vol 2, ISSN 1025-997X
- 6. Thar coal and its Metallurgical aspects**
Published in Pakistan Steel Research Journal Vol 2, ISSN 1025-997X
- 7. Refurbishment of hot strip mill working roll at Pakistan Steel**
Presented at national seminar on welding technology, March 2001
Organized by PAEC, Islamabad
- 8. Blast furnace slag- properties & uses an overview**
Presented at 2nd civil engineering congress Nov. 2001
Organized by institute of engineers Pakistan
- 9. Effect of various deoxidants on the oxygen content in various grade steel**
Published in Pakistan Steel Research Journal Vol 3, ISSN 1025-997X
- 10. Metallurgical behavior of lakhra coal**

Published in Pakistan Steel Research Journal Vol 3, ISSN 1025-997X

11. **Development & characterization of titanium carbide & titanium nitride coatings on cutting tool inserts** By Dr. Khursheed Mahmood, A.R. Siddiqui, M.U. Khayam
Presented in First International conference on Frontiers of Advanced Engineering Materials, Lahore – 2005 and published in the Proceedings
12. **Failure analysis of a compressor disc of an air craft**
Presented at 10th International symposium on Advanced Materials 2007, Islamabad
13. **Failure analysis of a boiler tube**
Presented at 10th International symposium on Advanced Materials 2007, Islamabad

Details of referee

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