

RESEARCH PUBLICATIONS

1. "Surface reactivity and layer analysis of chemisorbed reaction films of alkyl octadecenoates."
R.B. Choudhary, O. N. Anand and O. S. Tyagi; J. Chem. Tech. 121 (2009) 353
2. "AW-AF characteristics of tribo-chemical films from alkyl octadecenoates"
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3. "Action mechanism of boundary lubrication additives - Part -II"
R B Choudhary and M K Jha; Leaf Coppin, France;17 (2004) 75
4. "Action mechanism of boundary lubrication additives - Part -I"
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5. "Lubrication potential of boron compounds-An Overview"
R B Choudhary and P P Pande; Leaf Coppin, France; 14 (2002) 211
6. "Alternative solvent systems for iodine value (IV) determination"
R B Choudhary and P P Pande; J Chem. Tech.; 7 (2000) 165
7. "Enzyme technology application in industrial processing"
R B Choudhary, A K Jana and M K Jha; I J Chem. Tech. 11 (2004) 659
8. "Medical (Bio), magnetic and molecular utility of iron (Fe) nanoparticles."
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9. "Nanoscale Investigations for Resource Development of clean and Green Energy Packages."
R. B. Choudhary and M. K. Jha; ESCC-2008, AIT Bangkok, Thailand Aug. 6-8, 2008
10. "AW-AF characteristics of tribochemical films from alkyl octadecenoates"
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11. "Action mechanism of lubricity additives"
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- 12 "Intelligent materials for ultra fast intelligent systems"
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13. "Lubricity behavior of M-D fuels"
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14. " Chemisorbed reaction films of methyl ricinoleate"
R B Choudhary and O N Anand; ICIT Calcutta; Decmber 9-11, 1998
- 1 5. "Moly friction modifier for solid-solid interface lubrication"
R B Choudhary, P C Nautiyal and R P S Bisht; NCIT New Delhi; January 5-9, 1995
16. "Molecular, Magnetic and Molecular utility of nano iron (Fe) particles"
R B Choudhary, A. Kumar, M.K. Sharma and M. Kamboj; NADPA, IIT Roorkee (2008)
17. "Synthesis and properties of carbon nano tubes – A Review"
R B Choudhary, A. K. Sharma and M.K. Sharma; NAIR, HEC Jagadhari (2009)
18. "Nano impact of motor pollution and curative search for clean and green fuels."
R B Choudhary; Chem. Busi. (Color Publication); 22, 4 (2008) 18
19. "Nano development in Indian pulp and paper industries and its R&D status."
R B Choudhary; Chem. Busi. (Color Publication); 22, 3 (2008) 18
20. "Growth perspective in nanotechnology for solid phase nanomaterials."
R B Choudhary; Chem. Busi. (Color Publication); 22, 2 (2008) 23
21. "Nano exploration of conduction polymers for conjugated electronic configuration."
R B Choudhary; Plast. & Poly. Pack.(Color Publication); LIII, 2 (2008) 35

22. "Hierarchical investigations of minerals/comp. for nano bones and nano collagens."
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23. "Global perspective and commercial glitter of an agronomical ingredient."
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26. "Techno-economic compatibility of elemental iron and iron specialties."
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27. "Electrochemical materials for high precision fabrication of solid oxide fuel cells."
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28. "Micro-mechanisms for surface modification and investigations of applied surfaces."
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29. "Chemical concepts in functional materials and nanotechnology."
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30. "Tangible approach to chemical functions for organic sulfides and mercaptides."
R B Choudhary and A Kumar; *Chem. Busi. (Color Publication)*; 21, 4 (2007) 30
31. "Functional behavior and chemical nature of organic sulfides."
R B Choudhary and A Kumar; *Chem. Busi. (Color Publication)*; 21, 3 (2007) 35

32. "The ultimate evolution of atomic scale technology-The nanotechnology."
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33. "Lateral configuration of nanotechnology for solid phase nanomaterials."
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34. "Functionalized materials for advanced technologies."
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37. "Hydrogen fuel : The fair fuel for future"
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38. "Feature characteristics and action mechanisms for photo-dissociation..."
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Patents applied/registered

1. "A process development for friction and wear reducing agents from microbial lipid source." (*R B Choudhary, Anuj Barua V S Saini and D K Adhikari*)
Indian Institute of Petroleum Dehradun CSIR Application No 0966, DEL 2000
2. "A process development for improving surface phenomenon of Mudh-Deposit Earth and improved MD Earth provided there by." (*R B Choudhary and MK Jha*)
National Institute of Technology Jalandhar; DST (TIFAC) Application No. 0500, DEL 2002.