List of Publications in Papers in National/ International Journals:

1.	Current-voltage characteristics of Pd_2Si based Schottky diodes on p-type (111) silicon and evaluation of their barrier heights. **Subhash Chand** and Jitendra Kumar Solid State Electronics **38**, (1995) 1103-1104.
2.	Current-voltage characteristics and barrier parameters of Pd_2Si/p-Si(111) Schottky diodes in a wide temperature range. **Subhash Chand** and Jitendra Kumar Semiconductor Science & Technology **10**, (1995) 1680-1688.
3.	Current-transport in Pd_2Si/n-Si(100) Schottky barrier diodes at low temperatures. **Subhash Chand** and Jitendra Kumar Applied Physics **A 63**, (1996) 171-178.
4.	On the Existence of a barrier heights distribution in Pd_2Si/Si Schottky diodes. **Subhash Chand** and Jitendra Kumar Journal of Applied Physics **80**, (1996) 288-294
5.	Evidence for the double distribution of barrier heights in Pd_2Si/n-Si Schottky diodes from I-V-T measurements. **Subhash Chand** and Jitendra Kumar Semiconductor Science & Technology **11**, (1996) 1203-1208
6.	Electron transport and barrier inhomogeneities in palladium silicide Schottky diodes. **Subhash Chand** and Jitendra Kumar Applied Physics **A 65**, (1997) 497-503
7.	Simulation and analysis of current-voltage characteristics of Schottky diodes containing barrier inhomogeneities. **Subhash Chand** and Jitendra Kumar Semiconductor Science & Technology **12**, (1997) 899-906
8.	Effects of barrier height distribution on the behavior of a Schottky diode. **Subhash Chand** and Jitendra Kumar Journal of Applied Physics **82**, (1997) 5005-10
9.	Origin of non-linear current-voltage characteristics of metal-semiconductor contacts: A numerical study **Subhash Chand** Indian Journal of Engineering and Materials Sciences **7**, (2000) 268-273
10.	An accurate approach for analyzing inhomogeneous Schottky diodes with a Gaussian distribution of barrier heights. **Subhash Chand** Semiconductor Science & Technology **17,** (2002) L36-L40
11.	On intersecting behaviour of current-voltage characteristics of inhomogeneous Schottky diodes at low temperatures. **Subhash Chand** Semiconductor Science & Technology **19,** (2004) 82-86

12.	Analysis of current-voltage characteristics of inhomogeneous Schottky diodes at low temperatures. **Subhash Chand** and Saroj Bala Applied Surface Science **252** (2005) 358-363
13.	A comparative study of numerical and analytical approaches of simulating inhomogeneous Schottky diodes characteristics **Subhash Chand** and Saroj Bala Semiconductor Science & Technology **20,** (2005) 1143-1148
14.	Theoretical evidence for random variation of series resistance of elementary diodes in inhomogeneous Schottky contacts **Subhash Chand** Physica **B 373** (2006) 284-290.
15.	Simulation studies of current transport in metal-insulator-semiconductor Schottky barrier diodes **Subhash Chand** and Saroj Bala Physica B **390**, (2007) 179-184.
16.	Synthesis and Electrical Characterization of Self-Supported Conducting Polypyrrole-Poly(vinylidene fluoride) Composite Films *Manish Taunk, Atul Kapil and* ***Subhash Chand*** The Open Macromolecules Journal, **2** (2008) 74-79.
17.	Preparation and characterization of chemically synthesized poly(N-methylaniline) *Atul Kapil, Manish Taunk and* ***Subhash Chand*** Synthetic Metals **159**, (2009) 1267.
18.	Low Temperature Charge Transport Study in p-Toluenesulfonic Acid Doped Polyaniline *Atul Kapil, Manish Taunk and* ***Subhash Chand*** Asian Journal of Chemistry Vol. **21**, No. 10 (2009), S138-142
19.	Preparation and charge transport studies of chemically synthesized polyaniline *Atul Kapil, Manish Taunk and* ***Subhash Chand*** J Mater Sci: Mater. Electron. **21**, 399-404 (2010).
20.	Hopping and tunneling transport over a wide temperature range in chemically synthesized doped and undoped polypyrrole *Manish Taunk, Atul Kapil,* ***Subhash Chand*** Solid State Communication **150** (2010) 1766-1769
21.	Chemical synthesis and low temperature electrical transport in polypyrrole doped with sodium bis(2-ethylhexyl) sulfosuccinate. Manish Taunk, Atul Kapil and ***Subhash Chand*** J Mater Sci: Mater. Electron. 22 (2011)p136–142
22.	Study of synthesis and temperature dependence of dc conductivity in the low temperature range for Poly(N-methylaniline) *Atul Kapil, Manish Taunk and* ***Subhash Chand*** Journal of Electronic Materials (In Press)
23.	Current voltage characteristics of Schottky diode simulated using semiconductor device equations Priyanka Kaushal, ***Subhash Chand***, and Jozef Osvald International Journal of Electronics, in press.

	DOI: http://dx.doi.org/10.1080/00207217.2012.720946
24.	Effect of inverse doped surface layer in Schottky barrier modification: A numerical study ***Subhash Chand***, Priyanka Kaushal and Jozef Osvald Journal of Electronic Materials, in press. DOI: 10.1007/s11664-012-2234-z
25.	Numerical simulation study of Schottky diode characteristics with inverse doped surface layer ***Subhash Chand***, Priyanka Kaushal and Jozef Osvald Materials Science in Semiconductor Processing, in press. DOI: http://dx.doi.org/10.1016/j.mssp.2012.08.002