



**Name:- Dr. Subhash Mohan Agarwal**

**Designation:- Scientist C, Bioinformatics Division**

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**Educational Qualifications:**

S.No.	Degree	University	Year	Subjects
1	B.Sc	Delhi University	1999	Biochemistry
2	M. Sc	Kurukshetra University	2001	Biochemistry
3	ADPGD (~MPhil)	Jawaharlal Nehru University	2002	Bioinformatics
4	Ph.D	Jamia Millia Islamia & Jawaharlal Nehru University	2007	Chemoinformatics

**Membership/Fellowship of Professional Societies/Associations/Recognition/Awards:**

**Awards**

- 2012. Awarded “**Innovative Young Biotechnologist Award**” for the year 2011 from Department of Biotechnology
- 2006. Recipient of International Union of Biochemistry and Molecular Biology “**Young Scientist Award**” 2006, Japan (~2500 US dollars)

### **Memberships**

- Indian Association for Cancer Research (IACR)
- The Society Of Biological Chemists (India)

### **Focus area of research:**

- Cancer informatics
- Structure based drug design
- System Biology
- Database development
- Chemo-informatics

### **Publications: (Total = 22)**

1. Manu Mangal, Parul Sagar, Harinder Singh, G.P.S. Raghava and **Subhash M Agarwal**  
NPACT: Naturally occurring Plant based Anticancer Compound-Activity-Target database  
*Nucleic Acids Research* (2012, accepted)
2. Dhvani Raghav, Vinay Sharma and **Subhash Mohan Agarwal**  
Structural investigation of deleterious non-synonymous SNPs of EGFR gene  
*Interdisciplinary Sciences: Computational Life Sciences* (2012, accepted)
3. Attar Salahuddin, **Subhash M. Agarwal**, Fernando Avecilla, Amir Azam  
Metronidazole thiosalicylate conjugates: synthesis, crystal structure, docking studies and antiamebic activity  
*Bioorganic & Medicinal Chemistry Letters* 22, 5694–5699, 2012
4. Shashi Sharma, **Subhash Mohan Agarwal**, Atul Juneja and Ashok Seghal  
Review of Factors Spurring the Risk of Breast Cancer  
*Environment & Ecology* 30, 281-290, 2012
5. Mohmmad Younus Wani, Fareeda Athar, Attar Salauddin, **Subhash Mohan Agarwal**, Amir Azam, Inho Choi and Abdul Roouf Bhat  
Novel terpene based 1,4,2-dioxazoles: Synthesis, characterization, molecular properties and screening against *Entamoeba histolytica*  
*European Journal of Medicinal Chemistry* 46, 4742-52, 2011

6. **Subhash Mohan Agarwal\***, Dhvani Raghav, Harinder Singh and G.P.S. Raghava  
CCDB: a curated database of genes involved in Cervix Cancer  
*Nucleic Acid Research*, 39, D975-9, 2011
7. Danas Baniulis\*, Julius Liobikas, **Subhash Mohan Agarwal**, Birutė Frercks, Gintautas Vaitiekaitis and Vidmantas Stanys  
Phylogeny of structural domains of plant serine  $\beta$ -lactamase family proteins  
*Biologija*, 56 (1-4), 41–48, 2010
8. **Subhash Mohan Agarwal\***, Dhvani Raghav and Akshita Kumar  
Predicted 3D structure, active site and ligand docking of serine acetyltransferase, a drug target for *Entamoeba histolytica*.  
*Online Journal of Bioinformatics*, 11 (2), 264-281, 2010
9. Shashi Sharma and **Subhash Mohan Agarwal**  
Environmental risk factors associated with emergence of breast cancer  
*University News*, 48(24), 69-72, 2010
10. **Subhash Mohan Agarwal\***, Dhvani Raghav and Akshita Kumar  
Basics of Sequence Alignment and its application to Oncoinformatics  
“*In Silico Biology*”, Narosa Publishing house
11. **Subhash Mohan Agarwal\*** and Prashant K Srivastava  
Human intronless disease associated genes are slowly evolving.  
*BMB Rep.*, 42, 356-60, 2009.
12. **Subhash Mohan Agarwal\***  
Polymerase Chain Reaction- A biological Xerox machine  
*Invention Intelligence* 44(1), 8-14, 2009
13. **Subhash M Agarwal\***, Ruchi Jain, Alok Bhattacharya and Amir Azam  
Inhibitors of *E.coli* serine acetyltransferase blocks proliferation of *Entamoeba histolytica* trophozoites.  
*International Journal of Parasitology*, 38, 137-141, 2008
14. Mohammad Abid, **Subhash M Agarwal** and Amir Azam  
Synthesis and antiamebic activity of metronidazole thiosemicarbazone analogues.  
*European Journal of Medicinal Chemistry*, 43, 2035-2039, 2008

15. **Subhash Mohan Agarwal\***  
Rapidly evolving regions of the human genome (DOI:  
10.1002/9780470015902.a0020802)  
*Encyclopedia of Life Sciences*. John Wiley & Sons, Chichester, UK, July 2008
  16. **Subhash Mohan Agarwal\*** and Atul Grover  
Nucleotide composition and amino acid usage in AT-rich hyperthermophilic species  
*The Open Bioinformatics Journal*, 2, 11-19, 2008
  17. **Subhash Mohan Agarwal\***  
Patenting human genes- the post genome sequencing issues  
*Invention Intelligence* 43(1), 3-9, 2008
  18. Amir Azam and **Agarwal SM**  
Targeting amoebiasis: Status and Developments  
*Current Bioactive Compounds* 3 (2), 121-133, 2007
  19. **Subhash Mohan Agarwal\*** Evolutionary rate variation in eukaryotic lineage specific human intronless proteins. *Biochem Biophys Res Commun* 337 (4), 1192-1197, 2005
  20. Athar F, Husain K, Abid M, **Agarwal SM**, Coles SJ, Hursthouse MB, Maurya MR, Azam A. Synthesis and Antiamoebic activity of Gold(I), Ruthenium(II) and Copper(II) complexes of [1-(2-hydroxyethyl)-2-methyl-5-nitroimidazole]. *Chemistry and Biodiversity* 2 (10), 1320-1330, 2005
  21. **Subhash Mohan Agarwal\*** and Jyotsana Gupta  
Comparative analysis of human intronless proteins.  
*Biochem Biophys Res Commun* 331 (2), 512-519, 2005
  22. **Subhash Mohan Agarwal\***, Mukesh Jain and Atul Grover  
Genomic Distribution of Genes Encoding 68 Cytoplasmic Ribosomal Protein Families in Rice. *Acta Physiologiae Plantarum* 27 (4A), 439-446, 2005
- \* **Corresponding author**