

# RAJEEV K SINGLA

Contact Details: **School of Medical and Allied Sciences, KR Mangalam University, Sohna Road, Gurgaon, India**

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**Proficiencies:** Computational Chemistry & Molecular Modeling, Phytochemistry & Phytopharmacology, Novel Therapeutics, Medicinal Chemistry etc.

## OBJECTIVE:

Aim to work on challenging assignments that will present me the opportunity to put my abilities towards the organizational as well as personal growth in the respective field.

## PROFESSIONAL SYNOPSIS:

- Independently completed a project of **2.143 million INR**, funded by Science & Engineering Research Board (DST), Government of India (Project No. SR/FT/LS-149/2011). Title of the project was "**Combined Approach of 2D-QSAR and 3D-QSAR Techniques for the Design of 2-Pyrazolines as Inhibitors of *Entamoeba histolytica***"
- Publications with Cumulative Impact Factor **69.773** (As on 02.07.2018).
- Cross-functional experience in teaching, research, projects etc.
- Demonstrated professional excellence in project planning, scheduling, monitoring, and execution of projects without incidences of time/cost overruns.
- Proven expertise in preparation of manuscripts, designing & implementing various synthetic techniques & procedures.
- Excellent man-management, time management, and leadership skills.

## KEY COMPETENCIES:

- Resources Management       Training & Development       Research Facilitation

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## PERSONAL DETAILS:

Date of Birth : 26<sup>th</sup> Jan, 1986  
Gender : Male  
Nationality : Indian  
Languages Known : British English & Hindi  
Marital Status : Married  
Passport No. : K0111999  
Passport Name : Rajeev Kumar

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## ACADEMIA

- B. Pharm.** – Maharishi Dayanand University - 2007 - 71%
- M. Pharm.** – Manipal University - 2009 - 73.4%
- PhD** - University of Delhi -2018 (Thesis Submitted)

### ❖ Academic Scholarship, Fellowship, Awards & Trophies :

- ★ **IELTS**, Dec, 11 with Band 7.5
- ★ **GATE Scholarship** by MHRD, Govt. of India - 2007-09 with **All India Rank 660**
- ★ **SERB-Young Scientist/Principal Investigator Fellowship** from Science & Engineering Research Board (Ministry of Science & Technology), Govt. of India – July, 2012 to December, 2014
- ★ **H-index(14); i10-index(28); Citations: 849 (As on 14.09.2018- Google Scholar Citations)**
- ★ **Project Proposal Evaluator/Expert in Science and Engineering Research Board, Govt. of India**
- ★ **Received Mentor and Active Contributor Certificate from Indian Institute of Management, Ahmadabad (IIMA - Scholars for Change Campaign)**
- ★ **Member of Elsevier Researcher/Innovation Panel**
- ★ **Member of Sigma-Aldrich Global Advisory Board**
- ★ **Member of The Science Advisory Board**
- ★ **Member of Asian Council of Science Editors**
- ★ **Member of Indian Pharmacy Graduate Association (IPGA), Association of Chemistry Teachers (ACT, Asian Federation of Biotechnology (AFOB), Annual Member of Association of Microbiologists of India(AMI) etc.**
- ★ **Nominator- Blue Planet Prize, Asahi Glass Foundation**
- ★ **Ex-Consultant- Glenmark Pharmaceuticals Ltd**
- ★ **Executive Guest Editor- Current Topics in Medicinal Chemistry (3 Successful special issues)**
- ★ **Guest Editor- Current Drug Metabolism (I.F. 2.655)**

- ★ **Co-Guest Editor- Current Topics in Medicinal Chemistry (I.F. 3.374)**
- ★ **Member of Ebola Research Initiative- A Non Profit Research Community of Europe**
- ★ **Member of International Natural Product Sciences Taskforce, headed by Prof. Atanas G. Atanasov, Poland**
- ★ **Honorary Faculty Member, Novel Global Community Educational Foundation (NGCEF), Australia**
- ★ **ESCMID Attendance Grant for ESCMID Course 19-21 March 2015, India by European Society of Clinical Microbiology & Infectious Disease**
- ★ **Full Tuition Fees waiver for Doctoral Studies by NSIT (Now recognized as Netaji Subhas University of Technology)**
- ★ **Doctoral thesis evaluator of Andhra University, India**
- ★ **Founder, Editor-in-Chief & Reviewer, Indo Global Journal of Pharmaceutical Sciences [H-index(19); i10-index(42); Citations: 1236 (As on 14.09.2018- Google Scholar Citations)]- Founded in Year 2011. (Listed in UGC Journal List)**
- ★ **Guest Associate Editor & Reviewer, Frontiers in Chemistry- Medicinal & Pharmaceutical Chemistry Specialty Section (I.F. 3.994)**
- ★ **Associate Editor, Trends in Applied Sciences Research, Asian Journal of Scientific Research, Asian Journal of Applied Sciences, Current Research in Chemistry and Singapore Journal of Scientific Research**
- ★ **Readers for my articles are from 144 countries with maximum from India, USA and United Kingdom - Academia.edu statistics (06.11.2015)**

#### TRAINING:

- Research Projects Facilitation
- Leadership Skills

#### COMPUTER LITERACY:

Microsoft Office, VLife MDS 4.6, StarDrop 6.4, Derek Nexus, Graph Pad Prism 5.0, Design Expert 9, Minitab, Python, ChemDraw Ultra, ACD ChemSketch, Scifinder, Mendeley, Windows, Internet and all such essential basics.

#### PROFESSIONAL EXPERIENCE:

##### MILESTONE & SUMMARY

- ❖ **9 years plus in the academies**
- ❖ **Worked with world-class university & institutions of high repute.**
- ❖ **Varied experience and exposure**
- ❖ **Pan-organization functionality**

##### ➤ **TOP PUBLICATIONS (Cumulative Impact Factor: 69.773) 1<sup>st</sup> Author (Underline); Corresponding Author (Bold)- Done for myself only, not for other first authors**

1. **Rajeev K Singla**, Varadaraj Bhat G. QSAR model for predicting the fungicidal action of 1,2,4-triazole derivatives against *Candida albicans*. Journal of Enzyme Inhibition and Medicinal Chemistry. 2010, 25(5), 696-701. DOI: 10.31.09/14756360903524296. (I.F. 3.638)
2. **Rajeev K Singla**, Varadaraj Bhat G. Honey Bee sting and venom offering active as well as passive immunization could reduce Swine flu pandemic A(H1N1). Medical Hypotheses. 2010, 74(3), 617-618.(I.F. 1.120)
3. Girish R. Bankar, Pawan G Nayak, Punit Bansal, Piya Paul, K S R Pai, **Rajeev K Singla**, Varadaraj G. Bhat. Vasorelaxant and antihypertensive effect of *Cocos nucifera* linn. endocarp on isolated rat thoracic aorta and DOCA salt induced hypertensive rats. Journal of Ethnopharmacology. 2011, 134, 50-54. (I.F. 3.115)
4. Sateesh Pokuri, **Rajeev K Singla**, **Varadaraj Bhat G**, Gautham G Shenoy. Insights on the antioxidant potential of 1,2,4-triazoles: synthesis, screening & QSAR studies. Current Drug Metabolism. 2014, 15(4), 389-397. (I.F. 2.655)
5. **Rajeev K Singla**, Varadaraj Bhat G, Humberto Gonzalez Diaz. Editorial: From phytochemistry to medicinal chemistry: isolation, semisynthesis, evaluation and computational studies. Current Topics in Medicinal Chemistry. 2014, 14(8), 979-980 (I.F. 3.374)
6. Ngozichukwuka P Igoli, Carol J Clements, **Rajeev K Singla**, **John O Igoli**, Nzekwe Uche, Alexander I Gray. Antitrypanosomal activity & docking studies of components of *Crateva adansonii* DC leaves: novel multifunctional scaffolds. Current Topics in Medicinal Chemistry. 2014, 14(8), 981-990. (I.F. 3.374)
7. John O Igoli, Alexander I Gray, Carol J Clements, Poorna Kantheti, **Rajeev K Singla**. Antitrypanosomal activity & docking studies of isolated compounds from the lichen *Cetraria islandica*: possibly multifunctional scaffolds. Current Topics in Medicinal Chemistry. 2014, 14(8), 1014-1021. (I.F. 3.374)

8. Rohit Gundamaraju, Ravi Chandra Vemuri, Rajeev K Singla, Rishiya Manikam, A Ranga Rao, Shamala Devi Sekaran. *Strophanthus hispidus* attenuates the ischemia-reperfusion induced myocardial infarction and reduces mean arterial pressure in renal artery occlusion. *Pharmacognosy Magazine*. 2014, 10(39), 557-562. (I.F. 1.525)
9. **Rajeev K Singla**. Mechanistic evidence to support the anti-hepatitis B viral activity of multifunctional scaffold & confirmationally restricted magnolol. *National Academy Science Letters*. 2014, 37(1), 45-50. (I.F. 0.519)
10. **Rajeev K Singla**. Homology modeling of MDR1 gene MDR1\_ENTHI of *E. histolytica* & its molecular docking with anti-entamoeba histolytica agents. *Current Topics in Medicinal Chemistry*. 2015, 15(11), 980-989. (I.F. 3.374)
11. **Rajeev K Singla**. Editorial: *In silico* drug design & medicinal chemistry. *Current Topics in Medicinal Chemistry*. 2015, 15(11), 971-972. (I.F. 3.374)
12. Rohit Gundamaraju, **Rajeev K Singla**, Ravi Chandra Vemuri, Shamla Devi Sekaran. Functional correlation of medicinal chemistry and *Entamoeba histolytica* treatment: An emphasis on the past, present and future chemotherapy. *Mini Reviews in Medicinal Chemistry*. 2015, 15 (3), 211-219. (I.F. 2.645)
13. Babita Aggarwal, **Rajeev K Singla**, Mohd. Ali, Vijender Singh, John O Igoli, Rohit Gundamaraju, Kah Hwi Kim. Triterpenic and monoterpenic esters from stems of *Ichnocarpus frutescens* and their drug likeness potential. *Medicinal Chemistry Research*. 2015, 24, 1427-1437. (I.F. 1.607)
14. Rohit Gundamaraju, Ravi Chandra Vemuri, Lam Sau Kuen, Shamala Devi Sekaran, Rishiya Manikam, Rajeev K Singla. The science of rabies in tropical region: from epidemiological pandemonium to prevention. *Frontiers in Life Sciences*. 2015, 8(3), 210-214. (I.F. 0.907)
15. Baishakhi Dey, Koushik Bhandari, Rajeev K Singla, Prakash Katakam, Tanmoy Samanta, Dilip Kumar Kushwaha, Rohit Gundamaraju, Analava Mitra. Chemometrics optimized extraction procedures, phytosynergistic blending and *in vitro* screening of natural enzyme inhibitors amongst leaves of Tulsi, Banyan and Jamun. *Pharmacognosy Magazine*. 2015, 11(44), 522-532. (I.F. 1.525)
16. **Rajeev Kumar Singla**, Radha Singh, Ashok Kumar Dubey. Important aspects of post-prandial antidiabetic drug, acarbose. *Current Topics in Medicinal Chemistry*. 2016, 16(23), 2625-2633. (I.F. 3.374)
17. **Luciana Scotti, Rajeev K Singla, Marcus T. Scotti**. Editorial: Natural leads in drug discovery against metabolic disorders and their related infectious diseases. *Current Topics in Medicinal Chemistry*. 2016, 16(23), 2523-2524. (I.F. 3.374)
18. Luciana Scotti, Rajeev K Singla, Hamilton Mitsugu Ishiki, Francisco Jaime B. Medonca Junior, Marcelo Sobral da Silva, Jose Maria Barbosa Filho, Marcus Tullius Scotti. Recent advances in natural hyaluronidase inhibitors. *Current Topics in Medicinal Chemistry*. 2016, 16(23), 2525-2531. (I.F. 3.374)
19. Sergey N. Mikhailov, Luciana Scotti, Rajeev K Singla, Marcus Tullius Scotti. Perspectives in medicinal chemistry. *Current Topics in Medicinal Chemistry*. 2016, 16(23), 2725-2726. (I.F. 3.374)
20. Devashish Sahu, Shikha Sharma, Rajeev K Singla, Amulya Kumar Panda. Antioxidant activity and protective effect of suramin against oxidative stress in collagen induced arthritis. *European Journal of Pharmaceutical Sciences*. 2017, 101, 125-139. (I.F. 3.466)
21. Scotti L, Mendonça Júnior FJB, Ishiki H, Ribeiro FF, Rajeev K Singla, Barbosa Filho JM, Da Silva MS, Scotti MT. Docking studies for multi-target drugs. *Current Drug Targets*. 2017, 18(5), 592-604. (I.F. 3.112)
22. Swathi Putta, Nagendra Sastry Yarla, Eswar Kumar Kilari, Ilaria Peluso, Anupam Bishayee, Da-Yong Lu, George E. Barreto, Ghulam Md Ashraf, Luciana Scotti, Marcus T. Scotti, Rajeev K. Singla, Thamos Alexiou, Atanas G. Atanasov, Marcella Reale, Bechan Sharma, Veerabramhachari, Vadim V. Tarasov, P.V. Bramhachari, Sergery Bachurin, Madhuri Chintala, Gjumrakch Aliev, Mohammad Amjad Kamal. Diabetes mellitus and male ageing: pharmacotherapeutics and clinical implications. *Current Pharmaceutical Design*. 2017, 23(30), 4475 - 4483 (I.F. 2.757)
23. **Rajeev K Singla**, Luciana Scotti, Ashok K Dubey. *In silico* studies revealed multiple neurological targets for the antidepressant molecule ursolic acid. *Current Neuropharmacology*. 2017, 15(8), 1100-1106. (I.F. 4.068)
24. Vartika Srivastava, Rajeev Kumar Singla, Ashok Kumar Dubey. Emerging virulence, drug resistance and future anti-fungal drugs for *Candida* pathogens. *Current Topics in Medicinal Chemistry*. 2018, 18(9), 759-778. (I.F. 3.374)

25. Vartika Srivastava, Rajeev K Singla, Ashok K Dubey. Inhibition of biofilm and virulence factors of *Candida albicans* by partially purified secondary metabolites of *Streptomyces chrestomyceticus* strain ADP4. *Current Topics in Medicinal Chemistry*. 2018, 18(11), 925-945 (**I.F. 3.374**)
26. Rajeev K Singla, Ashok K Dubey. Phytochemical profiling, GC-MS analysis and  $\alpha$ -amylase inhibitory potential of ethanolic extract of *Cocos nucifera* Linn. endocarp. *Endocrine, Metabolic & Immune Disorders-Drugs Targets*. 2018 (**Provisionally Accepted**) (**I.F. 2.013**)

**TOTAL NUMBER OF INTERNATIONAL PUBLICATIONS:** 112

For more details, visit [http://scholar.google.co.in/citations?hl=en&user=EmfbCekAAAAJ&view\\_op=list\\_works](http://scholar.google.co.in/citations?hl=en&user=EmfbCekAAAAJ&view_op=list_works)  
[https://www.researchgate.net/profile/Rajeev\\_K\\_Singla](https://www.researchgate.net/profile/Rajeev_K_Singla)

□ **Books**

1. Rajeev K Singla, Ashok K Dubey, Sara M. Ameen, Shana Montalto, Salvatore Parisi. *Analytical Methods for the Assessment of Maillard Reactions in Foods*. Springer Briefs in Molecular Sciences: Chemistry of Foods. Springer International Publishing. E-ISBN: 978-3-319-76923-3; DOI: 10.1007/978-3-319-76923-3
2. Ravi Chandra Vemuri, Rohit Gundamaraju, Rajeev K Singla. *Volumetric Analysis in Oncology*. LAP Lambert Academic Publishing. Germany. ISBN-13 (978-3-659-57280-7)

□ **KEY ADMINISTRATIVE CONTRIBUTIONS:**

❖ **Shri Gopichand College of Pharmacy, Baghpat, India**

2010: Approval of Animal House from CPCSEA, Govt. of India, 1<sup>st</sup> Time Campus Placement for Students.

❖ **Vaish Institute of Pharmaceutical Education & Research, Haryana, India.**

2010: Best Poster Award by IPGA

❖ **Jaipur National University, Rajasthan, India**

2011: Convener of two seminars, EDITOR & FOUNDER of Newsletter "Pharma Booster".

❖ **Netaji Subhas University of Technology, (Formerly NSIT), India**

2013: 2 Day training organized on Computational Chemistry. Resource Person- Dr. Sami Mukopadhyay & Dr. Kundan Ingale, Vlife Science Pvt Ltd on 23-24<sup>th</sup> Nov, 2012

2014: Jury member of BioQuiz, Bio-Bickering, Group Discussion & Case Study, Events of BioVision, 14 on 15-16 February, 2014.

2015: Organized one day seminar on Centrifugal Partition Chromatography. Resource Person: Dr. Gomathi Chan, Gilson, USA on 14<sup>th</sup> July, 2015

2015: Organized one day seminar on Parallel Evaporation. Resource Person: Mr. Sandro Konatschnig, Buchi Switzerland and Mr. Shankar Srinivasan, Buchi India on 23<sup>rd</sup> July, 2015

2015: Organized one day seminar on Handling, Calibration and Maintenance of Glasswares. Resource Person: Mr. Neeraj, Borosil India Ltd on 15<sup>th</sup> December, 2015.

2017: Assisted in organizing two days National Conference "BESCON 2017" on 08-09 September, 2017. Part of different task committee like Transport, Accommodation, Registration, Printing and Food Management.

2017: Organizing committee member of INDOWSCI-01 of MolNet-03 (A virtual conference of Sciform, MDPI)

2018: Session Chairs and Organizing committee member of USEINWSCI-02 of MolNet-04 (A virtual conference of Sciform, MDPI)

Since July 2012, also assisting department in purchasing and account related matters.

❖ **MISC.**

★ **Honored with various Awards, Medals, and Trophies & Scholarships.**

★ **Co-supervised six M.Pharm Students in their research project and supervised four B.Pharm students.**

★ **Bioinformatics Editor**, WebmedCentral, UK

★ **Regional editor & Reviewer**, Trends in Applied Sciences Research, USA (Thomson, ISI)

★ **Reviewer (publons.com/a/484242/)**: *Science of the Total Environment*, Elsevier [**I.F. 4.9**]; *Frontiers in Microbiology* [**I.F. 4.165**]; *Frontiers in Pharmacology* [**I.F. 4.400**]; *Current Neuropharmacology* [**I.F. 3.75**]; *Current Pharmaceutical Design*, Bentham Publishers [**I.F. 3.452**]; *Current Medicinal Chemistry*, Bentham Publishers [**I.F. 3.455**]; *Current Topics in Medicinal Chemistry*, Bentham Publishers [**I.F. 2.9**]; *Journal of Ethnopharmacology*, Elsevier Publications [**I.F. 2.939**]; *Bioorganic and Medicinal Chemistry*, Elsevier Publications [**I.F. 2.951**]; *Current Drug Metabolism*, Bentham Publishers [**I.F. 2.8**]; *Mini Reviews in Medicinal Chemistry* [**I.F. 2.841**]; *World Journal of Gastroenterology*, Baishideng Publishing Group Inc [**I.F. 2.433**]; *Enzyme and Microbial Technology*, Elsevier [**I.F. 2.322**]; *Combinatorial Chemistry & Highthroughput Screening*, Bentham Publishers [**I.F. 1.222**]; *Medicinal Chemistry Research*, Springer Publications [**I.F. 1.612**]; *Journal of Pharmaceutical Innovation*, Springer Publications [**I.F. 1.250**];

Medicinal Chemistry, Bentham Publishers [**I.F. 1.363**]; 3 Biotech [**I.F. 1.361**]; Letters in Organic Chemistry, Bentham Publishers [**I.F. 0.756**]; Indian Journal of Experimental Biology [**I.F. 1.165**]; Indian Journal of Pharmaceutical Sciences [**I.F. 0.762**]; Hospital Pharmacy, SAGE Journals; Journal of Pharmacy & Bioallied Sciences, Wolters Kluwer; Asian Journal of Applied Sciences, Science Alert; Trends in Applied Sciences Research, Science Alert.

- ★ Biography in Marquis Who's Who in the World 2013, 30<sup>th</sup> Pearl Anniversary Edition
- ★ Biography in Marquis Who's Who in the World 2015, 32<sup>nd</sup> Edition
- ★ Delivered invited lecture on "Computational Tools: Their Role in Drug Discovery" at IIMT College of Pharmacy, Greater Noida on 21.02.2018.

➤ **TOTAL NUMBER OF PRESENTATIONS:** 29

➤ **TOTAL NUMBER OF CONFERENCES/WORKSHOPS/SEMINARS ATTENDED:** 31

## EXPERIENCE HISTORY

School of Medical and Allied Sciences, KR Mangalam University, Gurgaon	Sep,2018 to Present	Assistant Professor
Division of Biological Sciences & Engineering, Netaji Subhas University of Technology (Formerly Netaji Subhas Institute of Technology under University Of Delhi), India	Dec, 2015-August,2018	Senior Scientific Assistant & Nodal Officer-Store and Purchase (BSE)
Division of Biological Sciences & Engineering, Netaji Subhas University of Technology (Formerly Netaji Subhas Institute of Technology under University Of Delhi), India	Sept, 2013-Present	Phd Research Scholar
Division of Biological Sciences & Engineering, Netaji Subhas University of Technology (Formerly Netaji Subhas Institute of Technology under University Of Delhi), India	July, 2012-Dec, 2014	Serb-Young Scientist/Pi
Sadbhavna College of Management & Technology, Punjab	Oct, 2011- June, 2012	Asst. Prof./Vice-Principal
Jaipur National University, Rajasthan	Jan, 2011 – Oct, 2011	Lecturer
Vaish Institute of Pharmaceutical Ed & Res, Haryana	July, 2010- Dec, 2010	Lecturer
Shri Gopichand College of Pharmacy, Uttar Pradesh	Oct, 2009-June, 2010	Lecturer

## REFERENCES

1. **Prof. Ashok K Dubey**, Professor, Division of Biological Sciences & Engineering, Netaji Subhas University of Technology (Formerly Netaji Subhas Institute of Technology under University Of Delhi), Sec-3, Dwarka, New Delhi-110078, India. Email: [adubey.nsit@gmail.com](mailto:adubey.nsit@gmail.com)
2. **Dr. Varadaraj Bhat G**, Associate Professor, Manipal College of Pharmaceutical Sciences, MAHE, India. Email id: [varad.g@manipal.edu](mailto:varad.g@manipal.edu)
3. **Dr. S.K. Srivastava**, Chief Scientist & Head, Medicinal Chemistry Department, Central Institute of Medicinal & Aromatic Plants, Lucknow 226015, India. Mobile: +91-9450448812; Email id: [skscimap@gmail.com](mailto:skscimap@gmail.com)

**DATE:**

**LOCATION: NEW DELHI, INDIA**

**(RAJEEV K SINGLA)**