# Dr. RAJEEV K. SINGLA

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***Proficiencies***: **Computational Chemistry & Molecular Modeling, Phytochemistry & Phytopharmacology, Novel Therapeutics, Medicinal Chemistry, ChemBioInformatics 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* "**
- Main researcher/Key Member in the ongoing COVID-19 related project entitled "**2019-nCoV 天然蛋白酶抑制剂的计算研究**" (Project No. HX-2019-nCoV-057) funded by West China Hospital, Sichuan, China with approximate funding of **2,30,000 RMB**. PI of the Project: Prof. Bairong Shen.
- Publications with SCI/JCR/WoS Based Cumulative Impact Factor **222.088** (As on 01.02.2022).
- 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

## PERSONAL DETAILS:

| | |
|---|---|
| Date of Birth | : 26th Jan, 1986 |
| Gender | : Male |
| Nationality | : Indian |
| Languages Known | : British English & Hindi |
| Marital Status | : Married |
| Spouse Name | : Shailja Singla |
| Passport No. | : Z5826419 (Old No. K0111999) |
| Passport Name | : Rajeev Kumar |

## ACADEMIA

- ❒ **B. Pharm.** – Maharishi Dayanand University - 2003-07 - 71%
- ❒ **M. Pharm.** – Manipal University - 2007-09 - 73.4%
- ❒ **PhD** - University of Delhi -2013-19 (Submitted in May, 2018)

  **Thesis Title:** Phytoconstituents of *Cocos nucifera* linn. Endocarp: Isolation, Characterization and Therapeutic Properties

  **Supervisor:** Prof. Ashok K. Dubey

## Certified Courses/Training Program/Workshops:

1. VLife certified training program on VLife Molecular Design Suite for computational advances during 4th – 8th Nov, 2008 in Pune, India.
2. Distance learning 'General course on Intellectual Property' by WIPO Worldwide Academy, Geneva during October 1 to November 15, 2008.
3. VLife certified training program on Molecular modeling and drug design during 11th – 15th Feb, 2013 in Pune, India.
4. Four months computer course in Python Programing from Pie Institute of Technical and Management Studies with Grade 'A' in 2013 in New Delhi, India.
5. Workshop on GCMS solutions by Agilent Technologies India Pvt. Ltd-Manesar on 16th May, 2014

6. One week Faculty Development Program organized by Amity University, Uttar Pradesh during 01st – 5th July, 2019.

**Special Issues as Editor:**

| S.No. | Journal Name | Impact factor | Editors | Special Issue Status | If Published, Link/details of Publication |
|---|---|---|---|---|---|
| 1 | Current Topics in Medicinal Chemistry | 3.218 | Rajeev K. Singla, Varadaraj Bhat G, Humberto Gonzalez-diaz | Completed | 2014, Vol 14, Issue 8 |
| 2 | Current Topics in Medicinal Chemistry | 3.218 | Rajeev K. Singla | Completed | 2015, Vol 15, Issue 11 |
| 3 | Current Topics in Medicinal Chemistry | 3.218 | Luciana Scotti, Rajeev K. Singla, Marcus T. Scotti | Completed | 2016, Vol 16, Issue 23 |
| 4 | Current Topics in Medicinal Chemistry | 3.218 | Ashok K. Dubey, Rajeev K. Singla | Completed | 2019, Vol 19, Issue 28 |
| 5 | Current Drug Metabolism | 2.96 | Rajeev K. Singla | Completed | 2020, Vol 21, Issue 7 |
| 6 | Current Drug Metabolism | 2.96 | Rajeev K. Singla, Bairong Shen | Completed | 2020, Vol 21, Issue 14 |
| 7 | Current Drug Metabolism | 2.96 | Rajeev K. Singla | Ongoing | Natural Products-Metabolic Disorder |
| 8 | Current Drug Metabolism | 2.96 | Rajeev K. Singla, Ghulam Md. Ashraf, Bairong Shen | Ongoing | Neurological Disorders |
| 9 | Evidence-Based Complementary and Alternative Medicine | 1.8 | Rajeev K. Singla, Ghulam Md. Ashraf, George E. Barreto | Ongoing | Neurological Disorders |
| 10 | Frontiers in Pharmacology<br><br>Frontiers in Neuroscience | 4.225<br><br>3.707 | Adriana Gibara Guimaraes, Gokhan Zengin, Rajeev K. Singla | Completed | Plant Products-Pain Neuromodulation. Published 2020 |
| 11 | Frontiers in Pharmacology | 4.225 | Rajeev K. Singla, Marcus T. Scotti, Supratik Kar | Ongoing | Ethnopharmacology-Cancer |

**International Interactions:**

1. Delivered lectures on the theme 'Phytoconstituents from *Cocos nucifera* Linn. Endocarp: *In Silico* and *In Vitro* Studies' in Institute of System Genetics, West China Hospital, Sichuan University in 3rd week of September, 2019.
2. Delivered Webinar on the theme 'Effective Ways to Present Your Research' organized by Sri Sai Group of Institutions, Punjab, India on 10th June, 2020.
3. Delivered IPGA sponsored Webinar on the theme 'Docking, QSAR, ADMET and Network Pharmacology Based Studies: Role in Drug Discovery' jointly organized by NIMS Institute of Pharmacy and Alwar College of Pharmacy, India on 10th April, 2021.

**Other Invited Lectures:**

1. Delivered invited lecture on "Computational Tools: Their Role in Drug Discovery" at IIMT College of Pharmacy, Greater Noida on 21.02.2018.
2. Delivered invited lecture on 'In Silico Studies for the Phytoconstituents of Cocos nucifera Linn. Endocarp' in the International Symposium on 'Streamlining Drug Design' organized by Zastra Innovations in New Delhi on 30.01.2019.
3. Delivered invited lecture on 'In Silico Studies for the Phytoconstituents of Cocos nucifera Linn. Endocarp' in the International Conference on 'Recent Advances in Traditional Medicine, Medicinal Plants and Phytochemistry (ICRAT MMPP 2019)' jointly organized by AIMST University Malaysia and Ahmednagar College, Ahmednagar, India from 08.02.2019 to 09.02.2019.

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

- ★ 3 Students graduated from **Publons Academy** as **Certified Reviewer** under my supervision as **Publons Academy Mentor**.
- ★ **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**(23); **i10-index**(57); **Citations:** 1898 (As on 12.02.2022- Google Scholar Citations based information)
- ★ **H-Index** (15); **Citations:** 512; **Documents:** 62 (As on 12.02.2022- Scopus Author Based Information)
- ★ **H-Index** (21); **Citations:** 1602 (As on 12.02.2022- ResearchGate Based Information)
- ★ **H-Index** (15); **Citations:** 593 (As on 12.02.2022 Publons-Clarivate Analytics Based Information)
- ★ **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), ex-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 (*4 Successful special issues*)**
- ★ **Guest Editor- Current Drug Metabolism (I.F. 2.277)**
- ★ **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 Tution 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**(24); **i10-index**(62); **Citations:** 2335 **(As on 02.01.2022- Google Scholar Citations)**]- Founded in Year 2011. (**Listed in Publons, CrossRef- DOI enabled, CNKI Listed**)
- ★ **Ex-Guest Associate Editor**, Frontiers in Chemistry- Medicinal & Pharmaceutical Chemistry Specialty Section (**I.F. 3.782**)
- ★ **Review Editor,** Frontiers in Chemistry- Medicinal & Pharmaceutical Chemistry Specialty Section (**I.F. 3.693**)
- ★ **Review Editor,** Frontiers in Oncology- Cancer Genetics Speciality Section (**I.F. 4.848**)
- ★ **Guest Associate Editor,** Frontiers in Pharmacology (**I.F. 4.225**)
- ★ **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
- ★ **Associate Member,** International Society for Development and Sustainability (ISDS), Japan.
- ★ **E-Member,** Society of Chemical Industry (SCI), London.
- ★ **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**

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

- **TOP PUBLICATIONS (Cumulative Impact Factor: 222.088) 1st Author (Underline); Corresponding Author (Bold)- Done for myself only, not for other first authors.**

1. Rajeev K. Singla, Sahar Behzad, Johra Khan, Christos Tsagkaris, Rupesh K. Gautam, Rajat Goyal, Hitesh Chopra, Bairong Shen. Natural Kinase Inhibitors for the Treatment and Management of Endometrial/Uterine Cancer: Preclinical to Clinical Studies. Frontiers in Pharmacology. 2022 (**Article in Press**) (**I.F. 5.81**)
2. **Rajeev K. Singla**, Marcus T. Scotti, Supratik Kar. Editorial: Exploration of Natural Product Leads for Multitarget-Based Treatment of Cancer - Computational to Experimental Journey. Frontiers in Pharmacology. 2022 (**Article in Press**) (**I.F. 5.81**)
3. Rajeev K. Singla, Shikha Joon, Li Shen, Bairong Shen. Translational Informatics for Natural Products as Antidepressant Agents. Frontiers in Cell and Developmental Biology. 2022; 9: 738838. doi: 10.3389/fcell.2021.738838 (**I.F. 6.684**)
4. Shikha Joon, **Rajeev K Singla**, **Bairong Shen, Mohammad Amjad Kamal**. QSCR Analysis of Cytotoxicity of 6-Fluoro-3-(4H-1,2,4-triazol-3-yl)quinolin-4(1H)-ones on Chinese Hamster Ovary Cell Line: Design of REPUBLIC1986. Current Medicinal Chemistry. 2022; 29(2): 369-379. DOI: 10.2174/0929867328666210623150552 (**I.F. 4.53**)
5. Reecha Madaan, **Rajeev K. Singla**, Suresh Kumar, Ankit Kumar Dubey, Dinesh Kumar , Pooja Sharma, Rajni Bala, Shailja Singla, Bairong Shen. Bergenin – a biologically active scaffold: Nanotechnological perspectives. Current Topics in Medicinal Chemistry. 2022; 22(2): 132-149 (**I.F. 3.295**)
6. Rajeev K. Singla, Pooja Sharma, Ankit Kumar Dubey, Rohit Gundamaraju, Dinesh Kumar, Suresh Kumar, Reecha Madaan, Richa Shri, Christos Tsagkaris, Salvatore Parisi, Shikha Joon, Shailja Singla, Mohammad Amjad Kamal and Bairong Shen. Natural Product-Based Studies for the Management of Castration-Resistant Prostate Cancer: Computational to Clinical Studies. Frontiers in Pharmacology. 2021; 12: 732266. doi: 10.3389/fphar.2021.732266 (**I.F. 5.81**)
7. Rajeev K. Singla, Chandragiri Siva, Hitesh Chopra, Sahar Behzad, Himangini Bansal, Rajat Goyal, Rupesh K. Gautam, Christos Tsagkaris, Shikha Joon, Shailja Singla, Bairong Shen. Natural Products for the Management of Castration Resistant Prostate Cancer: Special Focus on Nanoparticles Based Studies. Frontiers in Cell and Developmental Biology. 2021; 9: 745177. Doi: https://doi.org/10.3389/fcell.2021.745177 (**I.F. 6.684**)
8. Rajeev K. Singla, Xuefei He, Hitesh Chopra, Christos Tsagkaris, Li Shen, Mohammad Amjad Kamal, Bairong Shen. Natural Products for the Prevention and Control of COVID-19 Pandemic: Sustainable Bioresources. Frontiers in Pharmacology. 2021; 12: 758159. Doi: https://doi.org/10.3389/fphar.2021.758159 (**I.F. 5.81**)
9. Michael P. Okoh, Rajeev K. Singla, Chijioke Madu, Opeyemi Soremekun, Johnson Adejoh, Lukman A. Alli, and Bairong Shen. Phytomedicine in Disease Management: In-silico Analysis of the Binding Affinity of Artesunate and Azadirachtin for Malaria treatment. Frontiers in Pharmacology. 2021; 12: 751032. https://doi.org/10.3389/fphar.2021.751032 (**I.F. 5.81**)
10. Stefania Marzocco, Rajeev K. Singla, Anna Capasso. Multifaceted Effects of Lycopene: A Boulevard to the Multitarget Based Treatment for Cancer. Molecules. 2021; 26; 5333. https://doi.org/10.3390/molecules26175333 (**I.F. 4.411**)
11. Himangini Bansal, **Rajeev K. Singla**, Sahar Behzad, Hitesh Chopra, Ajmer S. Grewal, **Bairong Shen**. Unleashing the Potential of Microbial Natural Products in Drug Discovery: Focusing on Streptomyces Antibiotics as Goldmine. Current Topics in Medicinal Chemistry. 2021; 21(26): 2374 – 2396. Doi: 10.2174/1568026621666210916170110 (**I.F. 3.295**)
12. **Rajeev K. Singla**, Rajesh Gupta, Shikha Joon, Arun K. Gupta, Bairong Shen. Isolation, docking and in silico ADME-T studies of acacianol: novel antibacterial isoflavone analogue isolated from Acacia leucophloea bark. Current Drug Metabolism, 2021; 22(11): 893-904. Doi: 10.2174/1389200222666211005091417 (**I.F. 3.731**)
13. Rajeev K. Singla, Ghulam Md. Ashraf, Magdah Ganash, Varadaraj Bhat G, Bairong Shen. Physicochemical, Interaction & Topological Descriptors vs. hMAO-A Inhibition of Aplysinopsin Analogs: A Boulevard to the Discovery of Anti-Depression Agents. Current Drug Metabolism. 2021; 22(11): 905-915. Doi: 10.2174/1389200222666211015155014 (**I.F. 3.731**)
14. Zhijun Miao, Jinwei Bai, Li Shen, **Rajeev K Singla**. The combination of tradition and future: data-driven natural-product-based treatments for Parkinson's disease. Evidence-Based Complementary and Alternative Medicine, 2021; 2021: Article ID 9990020. https://doi.org/10.1155/2021/9990020 (**I.F. 2.629**)
15. **Rajeev K. Singla**. Secondary Metabolites as Treatment of Choice for Metabolic Disorders and Infectious Diseases & Their Metabolic Profiling- Part 3. Current Drug Metabolism. 2021; 22(6): e080721194608. (**I.F. 3.731**)
16. **Rajeev K. Singla**, **Adriana Gibara Guimarães, Gokhan Zengin**. Editorial: Application of Plant Secondary Metabolites to Pain Neuromodulation. Frontiers in Pharmacology. 2021; 11: 623399. Doi: 10.3389/fphar.2020.623399 (**I.F. 5.81**)
17. Rajeev K. Singla, Tanya Agarwal, Xuefei He, Bairong Shen. Herbal Resources to Combat a Progressive & Degenerative Nervous System Disorder- Parkinson's Disease. Current Drug Targets. 2021; 22(6): 609-630. (**I.F. 3.465**)
18. Adiba Sultana, Rajeev K. Singla, Xuefei He, Yan Sun, Md. Shahin Alam, Bairong Shen. Topical Capsaicin for the Treatment of Neuropathic Pain. Current Drug Metabolism. 2021; 22(3): 198-207 (**I.F. 3.731**)
19. **Rajeev K. Singla.** Editorial: Secondary metabolites as treatment of choice for metabolic disorders and infectious diseases & their metabolic profiling- Part 1. Current Drug Metabolism. 2020; 21(7): 480-481. (**I.F. 3.731**)
20. **Rajeev K. Singla**, Adiba Sultana, Md. Shahin Alam, **Bairong Shen**. Regulation of Pain Genes- Capsaicin vs Resiniferatoxin: Reassessment of Transcriptomic Data. Frontiers in Pharmacology. 2020; 11: 1565. Article ID 551786 (**I.F. 5.81**)

21. Li Shen, Ke Shen, Jinwei Bai, Jiao Wang, Rajeev K. Singla, Bairong Shen. Data-driven microbiota biomarker discovery for personalized drug therapy of cardiovascular disease. Pharmacological Research. 2020; 161: 105225. (**I.F. 7.658**)
22. Rajeev K. Singla, Bairong Shen. In Silico ADME-T Evaluation of Natural DPP-IV Inhibitors for Rational Drug Design Against Diabetes. Current Drug Metabolism. 2020; 21(10): 768-777. (**I.F. 3.731**)
23. Bairong Shen, **Rajeev K. Singla**. Secondary Metabolites as Treatment of Choice for Metabolic Disorders and Infectious Diseases & Their Metabolic Profiling- Part 2. Current Drug Metabolism. 2020; 21(14): 1070-1071. (**I.F. 3.731**)
24. Rajeev K Singla, Ashok K Dubey. Phytochemical profiling, GC-MS analysis and α-amylase inhibitory potential of ethanolic extract of *Cocos nucifera* Linn. endocarp. Endocrine, Metabolic & Immune Disorders-Drugs Targets. 2019, 19(4), 419-442 (**I.F. 2.895**)
25. **Rajeev K Singla**, Rishabh Kumar, Sameer Khan, Mohit, Kajal Kumari, Arun Garg. Natural Products: Potential Source of DPP-IV Inhibitors. Current Protein and Peptide Science. 2019, 20(12), 1218-1225 (**I.F. 3.272**)
26. PasqualinaLagana, Giuliano Anastasi, Francesca Marano, Serena Piccione, Rajeev K Singla, Ashok K. Dubey, Santi Delia, Maria Anna Coniglio, AlessioFacciola, Angela Di Pietro, Moawiya A. Hadid, Masnat Al-Hiary, Gabriella Caruso. Phenolic Substances in Foods: Health Effects as Anti-inflammation Agents and Antimicrobial Properties. Journal of AOAC International. 2019; 102(5): 1378-1387 (**I.F. 1.913**)
27. **Rajeev K. Singla**, Ashok K. Dubey, Arun Garg, Ramesh K. Sharma, Marco Fiorino, Sara M. Ameen, Moawiya A. Haddard, Masnat Al-Hiary. Natural Polyphenols: Chemical Classification, Definition of Classes, Subcategories, and Structures. Journal of AOAC International. 2019; 102(5): 1397-1400 (**I.F. 1.913**)
28. Ramesh K. Sharma, Maria Micali, Alessandra Pellerito, Anna Santangelo, Sofia Natalello, Rita Tulumello, Rajeev K. Singla. Studies on Determination of Antioxidant Activity of and Phenolic Content in Plant Products in India (2000-2017). Journal of AOAC International. 2019; 102(5): 1407-1413 (**I.F. 1.913**)
29. Ashok K. Dubey, Rajeev K. Singla. Perspective on Anti-*Candida* drug development. Current Topics in Medicinal Chemistry. 2019;19(26): 2375-2376 (**I.F. 3.295**)
30. Ashok K. Dubey, Rajeev K. Singla. Editorial: Current Trends in Anti-Candida Drug Development. Current Topics in Medicinal Chemistry. 2019;19 (28): 2525-2526 (**I.F. 3.295**)
31. Rajeev K. Singla, Ashok K. Dubey. Molecules and Metabolites from Natural Products as Inhibitors of Biofilm in Candida spp. Pathogens. Current Topics in Medicinal Chemistry. 2019;19 (28): 2567-2578 (**I.F. 3.295**)
32. 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. 3.295**)
33. 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. 3.295**)
34. Rajeev K Singla, Mohammed Ali, Mohammad A. Kamal, Ashok K Dubey. Isolation and Characterization of Nuciferoic Acid, a Novel Keto Fatty Acid with Hyaluronidase Inhibitory Activity from *Cocos nucifera* Linn. Endocarp. Current Topics in Medicinal Chemistry. 2018, 18(27), 2367-2378 (**I.F. 3.295**)
35. 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. 4.384**)
36. 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. 3.465**)
37. 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. 3.116**)
38. 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. 7.363**)
39. 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. 3.295**)
40. **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. 3.295**)
41. Luciana Scotti, Rajeev K Singla, Hamilton Mitsugu Ishiki, Francisco Jaime B. Medonca Junior, Marcelo Sobral da Silva, Jose Maria Barbosa Filho, Marcus Tulius Scotti. Recent advances in natural hyaluronidase inhibitors. Current Topics in Medicinal Chemistry. 2016, 16(23), 2525-2531. (**I.F. 3.295**)
42. 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. 3.295**)
43. **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. 3.295**)
44. **Rajeev K Singla**. Editorial: *In silico* drug design & medicinal chemistry. Current Topics in Medicinal Chemistry. 2015, 15(11), 971-972. (**I.F. 3.295**)
45. Baishakhi De, Koushik Bhandari, Nishant Chakravorty, Ranjan Mukherjee, Rohit Gundamaraju, Rajeev K. Singla, Prakash Katakam, Shanta K. Adiki, Biswajoy Ghosh, Analava Mitra. Computational pharmacokinetics and in vitro-in vivo correlation of anti-diabetic synergistic phyto-composite blend. World Journal of Diabetes, 2015; 6(11):1179-85. (**I.F. 3.763**)

46. 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** **3.862**)
47. 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.** **1.965**)
48. 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.** **2.0**)
49. 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.** **1.085**)
50. 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.** **3.731**)
51. **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.** **3.295**)
52. 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.** **3.295**)
53. Baishakhi Dey, Analava Mitra, Prakash Katakam, Rajeev K. Singla. Exploration of natural enzyme inhibitors with hypoglycemic potentials amongst *Eucalyptus* Spp. By *in vitro* assays. World Journal of Diabetes, 2014; 5(2): 209-218. (**I.F.** **3.763**)
54. 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.** **3.295**)
55. 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.** **1.085**)
56. **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.** **0.788**)
57. 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.** **4.36**)
58. **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.** **5.051**)
59. **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.** **1.538**)

**TOTAL NUMBER OF INTERNATIONAL PUBLICATIONS:** 129

For more details, visit http://scholar.google.co.in/citations?hl=en&user=EmfbCekAAAAJ&view_op=list_works

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. Ramesh Kumar Sharma, Maria Micali, Bhupendra Kumar Rana, Alessandra Pellerito, Rajeev K. Singla. Indian Herbal Medicines- Antioxidant and Antimicrobial Properties. Springer Briefs in Molecular Sciences: Chemistry of Foods. Springer International Publishing. E-ISBN: 978-3-030-80918-8 ; DOI: https://doi.org/10.1007/978-3-030-80918-8
3. Ravi Chandra Vemuri, Rohit Gundamaraju, Rajeev K Singla. Volumetric Analysis in Oncology. LAP Lambert Academic Publishing. Germany. ISBN-13 (978-3-659-57280-7)

### Book Chapters

1. Salvatore Parisi, Rajeev K. Singla, Arun Garg, Ashok K. Dubey. Food Industries and Recycled Water: Current Strategies and New Opportunities. In: *Contaminants and Clean Technologies*. Editor: Pankaj Chowdhary, Abhay Raj. Taylor and Francis Group. 2020, pp 267-277. DOI: 10.1201/9780429275852-16
2. Rajeev K. Singla, Bairong Shen. In Silico Analysis of Drug Delivery in Respiratory Diseases. In: *Targeting Chronic Inflammatory Lung Diseases Using Advanced Drug Delivery Systems*. Editor: Kamal Dua, Phil Hansbro, Mehra Haghi, Ridhima Wadhwa, Kylie Williams, Lisa Gai Pont. Elsevier. 2020, pp 163-169. DOI: https://doi.org/10.1016/B978-0-12-820658-4.00008-X
3. Shikha Joon, Rajeev K. Singla, Bairong Shen. Crateva adansonii Dc.: Bioactives and Pharmacological Activity. In: Biomolecules and Pharmacology of Medicinal Plants, 2-volume set. Vol 1. Editor: T. Pullaiah. Apple Academic Press (AAP). 2022. (**In Press**)

4. Shikha Joon, Rajeev K. Singla, Bairong Shen. In Silico Drug Discovery for Treatment of Virus Diseases. In: Translational Informatics, Advances in Experimental Medicine and Biology. Editor: Bairong Shen. Springer International Publishing Doi: https://doi.org/10.1007/978-981-16-8969-7_4 (**In Press**)
5. Shikha Joon, Rajeev K. Singla, Bairong Shen. Vaccines and Immunoinformatics for Vaccine Design. In: Translational Informatics, Advances in Experimental Medicine and Biology. Editor: Bairong Shen. Springer International Publishing Doi: https://doi.org/10.1007/978-981-16-8969-7_5 (**In Press**)
6. Shikha Joon, Rajeev K. Singla, Bairong Shen. Physical Activities and Prevention of Neurodegenerative Diseases. In: Translational Informatics: Sports and Exercise Medicine. Editor: Bairong Shen. Springer International Publishing (**In Press**)

## ❒ SOME CONTRIBUTIONS DURING VARIOUS EMPLOYMENTS:

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

2010: Approval of Animal House from CPCSEA, Govt. of India, 1st 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 23-24th 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 14th July, 2015
2015: Organized one day seminar on Parallel Evaporation. Resource Person: Mr. Sandro Konatschnig, Buchi Switzerland and Mr. Shankar Srinivasan, Buchi India on 23rd July, 2015
2015: Organized one day seminar on Handling, Calibration and Maintenance of Glasswares. Resource Person: Mr. Neeraj, Borosil India Ltd on 15th 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 Sciforum, MDPI)
2018: Session Chairs and Organizing committee member of USEINWSCI-02 of MolNet-04 (A virtual conference of Sciforum, MDPI)

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

### ❖ K.R. Mangalam University, India

2018: Member-Scientific Committee and Member-Valedictory Committee in 70th Indian Pharmaceutical Congress (IPC) organized by IPGA in Amity University, Noida during Dec 20-22, 2018
2019: Scientific Committee Member in IPGA sponsored National Conference on "Online Pharmacy: Regulatory Perspectives" on Mar 01, 2019
2019: Co-Chairman, Scientific Committee in Industry-Academia Interactive National Seminar in collaboration with SIHMRACI on Sept 12, 2019
2019: Assisted university in organizing Convocation on 24th November, 2019.
2019: Session Chair of USINEWS-03 workshop of MolNet-05 (A virtual conference of Sciforum, MDPI, Switzerland)

### ❖ West China Hospital, Sichuan University, China

2020: Session Chair of USINEWS-04 workshop of MolNet-06 (A virtual conference of Sciforum, MDPI, Switzerland)
2020: Co-Session Chair of BIOMEDIT-01workshop of MolNet-06 (A virtual conference of Sciforum, MDPI, Switzerland)

### ❖ MISC.

★ **Co-supervised six M.Pharm Students in their research project and supervised four B.Pharm students.**
★ **Bioinfomatics Editor**, WebmedCentral, UK
★ **Regional editor & Reviewer**, Trends in Applied Sciences Research, USA (Thomson, ISI)
★ **Reviewer (publons.com/a/484242/):** 1) Food Chemistry, Elsevier [**I.F. 6.306**]; 2) Science of the Total Environment, Elsevier [**I.F. 6.551**]; 3) Frontiers in Microbiology [**I.F. 4.235**]; 4) Frontiers in Pharmacology [**I.F. 4.225**]; 5) Current Neuropharmacology [**I.F. 4.668**]; 6) Future Medicinal Chemistry [**I.F. 3.607**]; 7) Current Pharmaceutical Design, Benthams Publishers[**I.F. 2.208**]; 8) Current Medicinal Chemistry, Bentham Publishers [**I.F. 4.184**]; 9) Frontiers in Chemistry [**I.F. 3.693**]; 10) Chemico-Biological Interactions [**I.F. 3.723**]; 11) Current Topics in Medicinal Chemistry, Benthams Publishers [**I.F. 3.218**]; 12) Journal of Ethnopharmacology, Elsevier Publications [**I.F. 3.690**]; 13) Journal

of Food Composition and Analysis [**I.F. 3.721**]; 14) Bioorganic and Medicinal Chemistry , Elsevier Publications[**I.F. 3.073**]; 15) PLOS ONE [**I.F. 2.74**]; 16) Mini Reviews in Medicinal Chemistry [**I.F. 2.733**]; 17) World Journal of Gastroenterology, Baishideng Publishing Group Inc [**I.F. 3.665**]; 18) Current Molecular Medicine, Bentham Science [**I.F. 1.6**]; 19) Enzyme and Microbial Technology, Elsevier [**1.F. 3.448**]; 20) Combinatorial Chemistry & Highthroughput Screening, Bentham Publishers[**I.F. 1.195**]; 21) Journal of AOAC International [**I.F. 1.510**]; 22) Medicinal Chemistry Research, Springer Publications[**I.F. 1.783**]; 23) Pharmacognosy Magazine [**I.F. 1.31**]; 24) Journal of Pharmaceutical Innovation, Springer Publications[**I.F. 1.692**]; 25) 3 Biotech [**I.F. 1.798**]; 26) Indian Journal of Experimental Biology [**I.F. 0.783**]; 27) Letters in Organic Chemistry [**I.F. 0.779**]; 28) Indian Journal of Pharmaceutical Sciences [**I.F. 0.721**]; 29) Frontiers in Nutrition [**I.F. 3.365**]; 30) Hospital Pharmacy, SAGE Journals; 31) Journal of Pharmacy & Bioallied Sciences, Wolters Kluwer; 32) Asian Journal of Applied Sciences, Science Alert; 33) Trends in Applied Sciences Research, Science Alert.; 34) Current Research in Nutrition and Food Science; 35) Annual Research & Review in Biology; 36) Indo Global Journal of Pharmaceutical Sciences.

★ Biography in Marquis Who's Who in the World 2013, 30th Pearl Anniversary Edition

★ Biography in Marquis Who's Who in the World 2015, 32nd Edition

- **TOTAL NUMBER OF PRESENTATIONS: >30**
- **TOTAL NUMBER OF CONFERENCES/WORKSHOPS/SEMINARS ATTENDED:** >30

## EXPERIENCE HISTORY

| | | |
|---|---|---|
| Institutes for Systems Genetics, West China Hospital, Sichuan University, Sichuan, China | Jan, 2020 to Present | Post-Doctor |
| School of Medical and Allied Sciences, KR Mangalam University, Gurgaon | Sep,2018 to Dec, 2019 | 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. Bairong Shen**, Executive Director, Institutes for Systems Genetics, West China Hospital, Sichuan University, Sichuan, China. Email: bairong.shen@scu.edu.cn
2. **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
3. **Prof. Humberto Gonzalez Diaz**, IKERBASQUE, Spain. Email: gonzalezdiazh@yahoo.es
4. **Dr. Varadaraj Bhat G**, Associate Professor, Manipal College of Pharmaceutical Sciences, MAHE, India. Email id: varad.g@manipal.edu

**DATE:**

**LOCATION: Chengdu, China** **(Dr. RAJEEV K SINGLA)**