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<b>Job Title</b>	Professor-level project professional and technical personnel
<b>Academic Qualifications</b>	PhD (HNB University of Garhwal; National University)

**Special Achievement**

Professor Agrawal has more than 41 years of research experience in plant biotechnology of diverse species, including medicinal plants and medicinal mushrooms. He has more than 200 publications, including nine books (seven by Springer Nature) to his credit on different aspects of plant biotechnology, including medicinal plants and medicinal mushrooms. Before CYUT, he worked in a CSIR research institution on Chemistry (Govt. of India). Professor Agrawal has been bestowed several prestigious awards and fellowships, such as the Alexander von Humboldt Fellowship (Germany), DBT Overseas Associateship (USA), British Council Scholar (UK), European Research Fellow (UK), and INSA Visiting Scientist (India). He is on the editorial board of the *International Journal of Applied Science and Engineering* (Scopus), serving as associate editor-in-chief of the journal.

**Research Expertise**

Agriculture crops/medicinal plant biotechnology, medicinal mushrooms, genetic engineering biotechnology

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### **Publications During Last Four Years (2019-2023)**

#### **Springer Nature Books (\* Corresponding editor/author)**

1. **Agrawal DC\***, Dhanasekaran M (Eds) (2023) Mushrooms with Therapeutic Potentials: Recent Advances in Research and Development. ISBN 978-981-19-9549-1 (Hardcover); ISBN978-981-19-9550-7 (eBook). pp 1-509, Springer Singapore (25 April 2023). <https://doi.org/10.1007/978-981-19-9550-7>
2. **Agrawal DC\***, Kumar R, Dhanasekaran M (Eds) (2022) Cannabis/Hemp for Sustainable Agriculture and Materials. ISBN 978-981-16-8778-5 (eBook); ISBN 978-981-16-8777-8. <https://link.springer.com/book/10.1007/978-981-16-8778-5>. Pages 1-335; Publisher Springer Nature Singapore (April 2022).
3. **Agrawal DC\***, Kumar R, Dhanasekaran M (Eds) (2022) Cannabis/Marijuana for Healthcare ISBN 978-981-16-8822-5 (eBook); ISBN 978-981-16-8821-8. <https://link.springer.com/book/10.1007/978-981-16-8822-5> Pages 1-319; Publisher Springer Nature Singapore (May 2022).
4. **Agrawal DC\***, Dhanasekaran M (Eds) (2021) Medicinal Herbs and Fungi – Neurotoxicity Vs. Neuroprotection. ISBN 978-981-33-4140-1 (Hardcover); ISBN 978-981-33-4141-8 (eBook); <https://link.springer.com/book/10.1007/978-981-33-4141-8>. pp 1-510. Springer Nature Singapore Pte Ltd. (January 2021)

5. **Agrawal DC\***, Dhanasekaran M (Eds) (2019) Medicinal Mushrooms - Recent Progress in Research and Development. ISBN 978-981-13-6382-5 (eBook); ISBN 978-981-13-6381-8 (Hardcover); <https://www.springer.com/la/book/9789811363818>. Publisher Springer Nature Singapore. (May 2019)
6. **Agrawal DC\***, Tsay HS, Shyur LF, Wu YC, Wang SY (Eds) (2017) Medicinal Plants and Fungi - Recent Advances in Research and Development. ISBN978-981-10-5978-0 (eBook); ISBN978-981-10-5977-3 (Hardcover). (<http://www.springer.com/gp/book/9789811059773>), Publisher Springer Nature Singapore. (November 2017)
7. Tsay HS, Shyur LF, **Agrawal DC\***, Wu YC, Wang SY (2016) Medicinal Plants - Recent Advances in Research and Development. ISBN978-981-10-1085-9 (eBook); ISBN978-981-10-1084-2 (Hardcover). (<http://www.springer.com/in/book/9789811010842>).pp. 1-491. Publisher Springer Nature Singapore. (October 2016)

### Chapters in Springer Nature Book

- Parise R, Nadar RM, Deruiter J, Pathak S, Ramesh S, Moore T, **Agrawal DC\***, Dhanasekaran M\* (2023) Therapeutic and Prophylactic Potential of Medicinal Mushrooms in COVID-19. **In:** Agrawal DC and Dhanasekaran M (eds). Mushrooms with Therapeutic Potentials: Recent Advances in Research and Development. Springer Singapore. Chapter 3, pp 97-111. [https://doi.org/10.1007/978-981-19-9550-7\\_3](https://doi.org/10.1007/978-981-19-9550-7_3)
8. McCain P, Deruiter J, Pathak S, Liu K, Nadar RM, Ramesh S, Moore T, **Agrawal DC\***, Dhanasekaran M\* (2023) Cognitive Enhancing Effects of Medicinal Mushrooms: A Potential Neuroprotective Implication in Dementias. **In:** Agrawal DC and Dhanasekaran M (eds). Mushrooms with Therapeutic Potentials: Recent Advances in Research and Development. Springer Singapore. Chapter 8, pp 241-252. [https://doi.org/10.1007/978-981-19-9550-7\\_8](https://doi.org/10.1007/978-981-19-9550-7_8)
  9. Sharma I, Choudhary M, Kaul S\*, **Agrawal DC**, Dhar MK (2023) Potential of Medicinal Mushrooms in Human Health and Welfare: An Overview. **In:** Agrawal DC and Dhanasekaran M (eds). Mushrooms with Therapeutic Potentials: Recent Advances in Research and Development. Springer Singapore. Chapter 9, pp 253-284. [https://doi.org/10.1007/978-981-19-9550-7\\_9](https://doi.org/10.1007/978-981-19-9550-7_9)
  10. Nadar RM., Liu K, DeRuiter J, Pathak S, Ramesh S, Moore T, **Agrawal DC\***, Dhanasekaran M\* (2023) Mycotherapeutics Reduce Nephrotoxicity and Renal Diseases. **In:** Agrawal DC and Dhanasekaran M (eds). Mushrooms with Therapeutic Potentials: Recent Advances in Research and Development. Springer Singapore. Chapter 10, pp 285-308. [https://doi.org/10.1007/978-981-19-9550-7\\_10](https://doi.org/10.1007/978-981-19-9550-7_10)
  11. Kim S, Nadar RM, DeRuiter J, Pathak S, Ramesh S, Moore T, **Agrawal DC\***, Dhanasekaran M\* (2023) Mycotherapeutics Affecting Dopaminergic Neurotransmission to Exert Neuroprotection. **In:** Agrawal DC and Dhanasekaran M (eds). Mushrooms with Therapeutic Potentials: Recent Advances in Research and Development. Springer Singapore. Chapter 13, pp 369-392. [https://doi.org/10.1007/978-981-19-9550-7\\_13](https://doi.org/10.1007/978-981-19-9550-7_13)
  12. Nadar RM, Deruiter J, Pathak S, Kadannagari S, Dhingra J, Pondugula S, Moore T, **Agrawal DC\***, Dhanasekaran M\* (2023) Nephroprotective Effects of Four Ganoderma Species. **In:** Agrawal DC and Dhanasekaran M (eds). Mushrooms with Therapeutic Potentials: Recent Advances in Research and Development. Springer Singapore. Chapter 15, pp 425-440. [https://doi.org/10.1007/978-981-19-9550-7\\_15](https://doi.org/10.1007/978-981-19-9550-7_15)
  13. Rishi M Nadar, Suhrud Pathak, Jack Deruiter, Fada Alghenaim, Sindhu Ramesh, Graham Lynn, Randall Clark, Timothy Moore, **Agrawal DC\***, Dhanasekaran M\* (2023) Mycotherapy (Medicinal Mushrooms) as Potential Treatments for Epilepsy. **In:** Agrawal DC and Dhanasekaran M (eds). Mushrooms with Therapeutic Potentials: Recent Advances in Research and Development. Springer Singapore. Chapter 17, pp 459-478. [https://doi.org/10.1007/978-981-19-9550-7\\_17](https://doi.org/10.1007/978-981-19-9550-7_17)
  14. Pathak S, Martin N, Kim S, Ramesh S, Nadar RM, DeRuiter J, Moore T, **Agrawal DC\***, Dhanasekaran M\* (2023) Preventative and Curative Implications of Reishi and Maitake Mushrooms in Cancer. **In:** Agrawal DC and Dhanasekaran M (eds). Mushrooms with Therapeutic Potentials: Recent Advances in Research and Development. Springer Singapore. Chapter 19, pp 493-509. [https://doi.org/10.1007/978-981-19-9550-7\\_19](https://doi.org/10.1007/978-981-19-9550-7_19)

### (2022) Papers in SCI/Scopus Journals

15. Ö zenver Nadire, **Agrawal Dinesh Chandra\*** (2022) Cannabidiol (CBD) for relief from pain, anxiety, and epilepsy: A review. International Journal of Applied Science and Engineering, 19 (4): 2022115. [https://doi.org/10.6703/IJASE.202212\\_19\(4\).006](https://doi.org/10.6703/IJASE.202212_19(4).006).
16. Yi-Lo Lin, Jiunn-Wang Liao, Shunching Wang, Badrinathan Sridharan, Hsin-Ju Lee, Ai Li, Kai-Ming Chang, Ching-Yang Wu, Siendong Huang, Kai-Ting Chang, **Dinesh Chandra Agrawal**, Ching-Jung Chen and Meng-Jen Lee (2022) Andrographolide Relieves Post-Operative Wound Pain but Affects Local Angiogenesis. Pharmaceuticals 2022, 15, 1586. <https://doi.org/10.3390/ph15121586>.
17. Yanti Sahri, ChienWei-Jyun\*, **Agrawal Dinesh Chandra** (2022) Profiling of Insulin and resveratrol interaction using multi spectroscopy and molecular docking study. Beni-Suef University Journal of Basic and Applied Sciences. Springer Nature Journal (ESCI and Scopus) 11:90 <https://doi.org/10.1186/s43088-022-00269-1>.
18. Chien Wei-Jyun, Saputri Dinar S\*, Yanti Sahri, **Agrawal Dinesh Chandra** (2022) Response Surface Methodology for simple non-acid ultrasonic-assisted extraction of pectin from Taiwan's *Citrus depressa* H. peels. Chiang Mai University Journal of Natural Sciences. 21(4):1-25. e2022062.
19. Yanti Sahri\*\*, ChienWei-Jyun\*, **Agrawal Dinesh Chandra** (2022) Nutritional comparison of sacha inchi (*Plukenetia volubilis*) residue with edible seeds and nuts in Taiwan: A chromatographic and spectroscopic study. International Journal of Food Science (Hindawi). Volume 2022, Article ID 9825551, 1-14 pages <https://doi.org/10.1155/2022/9825551>.

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20. Vaidya Mandar\*, Choudhury Abhishek, Brumlik Charles, **Agrawal Dinesh Chandra**, Kumar Rajiv (2022) A Complete Patent Analysis of Cannabis/Marijuana in Drug Delivery and Disease Conditions. In: Agrawal DC et al (eds). Cannabis/Marijuana for Healthcare. Springer Nature, Singapore. pp. 1-34. [https://doi.org/10.1007/978-981-16-8822-5\\_1](https://doi.org/10.1007/978-981-16-8822-5_1).
21. Bowen Dylan, Ramesh Sindhu, Deruiter Jack, Govindarajulu Manoj, Lowery Payton, Moore Timothy, **Agrawal Dinesh Chandra\***, Dhanasekaran Muralikrishnan\* (2022) Neuropharmacological Approaches to Modulate Cannabinoid Neurotransmission. In: Agrawal DC et al (eds). Cannabis/Marijuana for Healthcare. Springer Nature, Singapore. pp. 35-52. [https://doi.org/10.1007/978-981-16-8822-5\\_2](https://doi.org/10.1007/978-981-16-8822-5_2).
22. Sharma Deepak, Bhushan Sakshi, **Agrawal Dinesh Chandra\***, Dhar Manoj K. and Kaul Sanjana\* (2022) Cannabis as a Potent Therapeutic Agent for Pharmaceutical Drugs: Recent Advancement in Drug Discovery and Human Healthcare. In: Agrawal DC et al (eds). Cannabis/Marijuana for Healthcare. Springer Nature, Singapore. pp. 77-99. [https://doi.org/10.1007/978-981-16-8822-5\\_4](https://doi.org/10.1007/978-981-16-8822-5_4).
23. McKerley Grace, Govindarajulu Manoj, Deruiter Jack, Gopal Kruthi, Ramesh Sindhu, Lowery Payton, Moore Timothy, **Agrawal Dinesh Chandra\***, Dhanasekaran Muralikrishnan\* (2022) Cannabinoid-Based Innovative Prophylactic and Therapeutic Interventions for Neuropathic Pain and Migraine. In: Agrawal DC et al (eds). Cannabis/Marijuana for Healthcare. Springer Nature, Singapore. pp. 101-112. [https://doi.org/10.1007/978-981-16-8822-5\\_5](https://doi.org/10.1007/978-981-16-8822-5_5).
24. Pathak Suhrud, Ramesh Sindhu, Govindarajulu Manoj, Almaghrabi Mohammed, Nadar Rishi, Deruiter Jack, Moore Timothy, **Agrawal Dinesh Chandra\***, Dhanasekaran Muralikrishnan\* (2022) The Legality of Use and Consumption of Cannabis (Marijuana) in the United States of America. In: Agrawal DC et al (eds). Cannabis/Marijuana for Healthcare. Springer Nature, Singapore. pp.113-130. [https://doi.org/10.1007/978-981-16-8822-5\\_6](https://doi.org/10.1007/978-981-16-8822-5_6).
25. Ramesh Sindhu, Gopal Kruthi, Deruiter Jack, Lowery Payton, Govindarajulu Manoj, Pathak Suhrud, Nadar Rishi, **Agrawal Dinesh Chandra\***, Dhanasekaran Muralikrishnan\* (2022) Understanding the Pharmacokinetics, Safety Profile, and Scope of the Concerned Issue to Evade the Consumption of Cannabis/Marijuana. In: Agrawal DC et al (eds). Cannabis/Marijuana for Healthcare. Springer Nature, Singapore. pp. 155-172. [https://doi.org/10.1007/978-981-16-8822-5\\_8](https://doi.org/10.1007/978-981-16-8822-5_8).
26. Nadar Rishi M., Pathak Suhrud, Ramesh Sindhu, Govindarajulu Manoj, Moore Timothy, **Agrawal Dinesh Chandra\***, Dhanasekaran Muralikrishnan\* (2022) Cannabis-Based Cosmetic Products and Their Uses. In:

Agrawal DC et al (eds). Cannabis/Marijuana for Healthcare. Springer Nature, Singapore. pp. 253-269. [https://doi.org/10.1007/978-981-16-8822-5\\_13](https://doi.org/10.1007/978-981-16-8822-5_13).

27. Pathak Suhrud, Nadar Rishi, Deruiter Jack, Ramesh Sindhu, Ramapuram Jayachandrababu, Govindarajulu Manoj, Moore Timothy, **Agrawal Dinesh Chandra\***, Dhanasekaran Muralikrishnan\* (2022) Cannabis as A Unique and Valuable Nutraceutical Formulation for the Current and Future Global Wellbeing. In: Agrawal DC et al (eds). Cannabis/Marijuana for Healthcare. Springer Nature, Singapore. pp. 271-299. [https://doi.org/10.1007/978-981-16-8822-5\\_14](https://doi.org/10.1007/978-981-16-8822-5_14).
28. Govindasamy Jeyabalan, Moss Sarah, Parise Rachel, Nadar Rishi M., Pathak Suhrud, Ramesh Sindhu, Govindarajulu Manoj, Moore Timothy, **Agrawal Dinesh Chandra\***, Dhanasekaran Muralikrishnan\* (2022) Traditional, Cultural, and Nutraceutical Aspects of Cannabis in India. In: Agrawal DC et al (eds). Cannabis/Marijuana for Healthcare. Springer Nature, Singapore. pp. 301-319. [https://doi.org/10.1007/978-981-16-8822-5\\_15](https://doi.org/10.1007/978-981-16-8822-5_15).

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### Papers in SCI/Scopus Journals

29. **Agrawal DC**, Hou HY, Cheng TM (2021) The Evaluation of Competency-based Diagnosis System and Curriculum Improvement of Information Management. **International Journal of Information and Communication Technology Education (IJICTE)** (Scopus Q3) Vol 17 (2): 87-102. (April-June 2021 Issue) (USA) DOI: 10.4018/IJICTE.2021040106.
30. Jwo SS, Sheu CS\*, **Agrawal DC** (2021) Identification and Quantification of Impurities in the Industrial-grade Sesamol. **International Journal of Applied Science and Engineering** 18 (1):1-7. [https://doi.org/10.6703/IJASE.202103\\_18\(1\).001](https://doi.org/10.6703/IJASE.202103_18(1).001).
31. Cheng TM, Hou HY, **Agrawal DC**, Chi CJ (2021) A Hierarchical Linear Model Of Alumni Survey On Individual Competency, Institutional Service, and Job Satisfaction in a Case University in Taiwan. **Journal of Institutional Research South East Asia** 19 (1): 81-100.
32. Yanti S, Saputri DS, Lin HY, Chou YC, **Agrawal DC**, Chien\* WJ (2021) Fatty Acid Evaluation of Seeds and Nuts by Spectroscopy and Chromatography. **Food Science and Technology** 9(3): 58-68. DOI: 10.13189/fst.2021.090302.
33. Yanti S, Wu ZW, **Agrawal DC**, Chien WJ\* (2021) Interaction Between Phloretin and Insulin: A Spectroscopic Study. **Journal of Analytical Science and Technology** 2021:12-34. <https://doi.org/10.1186/s40543-021-00284-4>.
34. Lin HY, **Agrawal DC**, Yang WG, Chien WJ\* (2021) A simple HPLC-MS/MS method for the analysis of multi-mycotoxins in betel nut. **International Journal of Applied Science and Engineering (IJASE)** 18(5): 2021145. [https://doi.org/10.6703/IJASE.202109\\_18\(5\).005](https://doi.org/10.6703/IJASE.202109_18(5).005).
35. Kamali SR, Chen CN\*, **Agrawal DC**, Wei TH (2021) Sulfur-doped carbon dots synthesis under microwave irradiation as turn-off fluorescent sensor for Cr (III). **Journal of Analytical Science and Technology** 2021:12-48. <https://doi.org/10.1186/s40543-021-00298-y>.

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36. Ramesh S, Govindarajulu M, Patel S, Nadar R, Fabbrini M, Clark R, Deruiter J, Moore T, **Agrawal DC\***, Dhanasekaran M\* (2021) Ginseng: A Boon or a Curse to Neurodegenerative Diseases. Chapter 4. In: **Agrawal DC** and Dhanasekaran M (eds), Medicinal Herbs and Fungi-Neurotoxicity Vs. Neuroprotection, Publisher Springer Nature, Singapore. pp. 113-135. [https://doi.org/10.1007/978-981-33-4141-8\\_4](https://doi.org/10.1007/978-981-33-4141-8_4).
37. Chaturvedi RK and **Agrawal DC\*** (2021) Cannabis Induced Neuroactivity: Research Trends and Commercial Prospects. Chapter 6. In: Other details same as in item no. 37. pp. 159-185. [https://doi.org/10.1007/978-981-33-4141-8\\_6](https://doi.org/10.1007/978-981-33-4141-8_6).

38. Mouli S, Ramesh S, Govindarajulu M, Almaghrabi M, Fujihashi A, Nadar R, Salamat J, Deruiter J, Clark RC, Moore T, Pondugula S, **Agrawal DC\***, Dhanasekaran M\* (2021) Balancing the Neuroprotective Versus Neurotoxic Effects of Cannabis. Chapter 8. **In:** Details as in item no. 37. **pp. 203-226.** [https://doi.org/10.1007/978-981-33-4141-8\\_8](https://doi.org/10.1007/978-981-33-4141-8_8).
39. Dhokne SV, Undale VR, **Agrawal DC\***, Pawar SD\* (2021) Alpha-Synuclein: Biomarker for Parkinson's Disease, It's Estimation Methods and Targeted Medicinal Therapies. Chapter 9. **In:** Other details same as in item no. 37. **pp. 227-248.** [https://doi.org/10.1007/978-981-33-4141-8\\_9](https://doi.org/10.1007/978-981-33-4141-8_9).
40. Govindarajulu M, Shankar T, Patel S, Fabbrini M, Manohar A, Ramesh S, Boralingaiah P, Sharma S, Clark R, Deruiter J, Moore T, **Agrawal DC\***, Dhanasekaran M\* (2021) Reserpine Induced Depression and Other Neurotoxicity: A Monoaminergic Hypothesis. Chapter 12. **In:** Other details same as in item no. 37. **pp. 293-313.** [https://doi.org/10.1007/978-981-33-4141-8\\_12](https://doi.org/10.1007/978-981-33-4141-8_12).
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42. Choudhary M, Sharma I, **Agrawal DC**, Dhar MK and Kaul S\* (2021) Neurotoxic Potential of Alkaloids from Thorn Apple (*Datura stramonium* L.) - A Commonly Used Indian Folk Medicinal Herb. Chapter 16. **In:** Other details same as in item no. 37. **pp. 369-389.** [https://doi.org/10.1007/978-981-33-4141-8\\_16](https://doi.org/10.1007/978-981-33-4141-8_16).
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44. Chang HC, Xie HM, Lee MR, Lin CY, Yip MK, **Agrawal DC\***, Tsay HS\* (2020) In vitro propagation of bulblets and LC-MS/MS analysis of isosteroidal alkaloids in tissue culture derived materials of Chinese medicinal herb *Fritillaria cirrhosa* D. Don. **Botanical Studies** 61:1-9. <https://doi.org/10.1186/s40529-020-00286-2>
45. Chen CC, Lee MR, Wu CR, Ke HJ, Xie HM, Tsay HS, **Agrawal DC\*** and Chang HC\* (2020) LED Lights Affecting Morphogenesis and Isosteroidal Alkaloid Contents in *Fritillaria cirrhosa* D. Don—An Important Chinese Medicinal Herb. *Plants* 2020, 9, 1351; <https://doi:10.3390/plants9101351>
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47. Tsai WC, Chang HC\*, Tseng YH, Yin HY, Liao JW, **Agrawal DC**, Wen HW\* (2020) Toxicity Evaluation of Water Extract of Tissue-Cultured *Taraxacum Formosanum* by Acute, Subacute Administration, and Ames Test. **Electronic Journal of Biotechnology** 38: 38-45. <https://doi.org/10.1016/j.ejbt.2020.04.001>.
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49. Cheng TM, Hou HY\*, Agrawal DC, Chen LS, Chi CJ (2020) Factors Affecting Starting Wages of Master's Degree-Graduates in Taiwan. **Journal of Institutional Research South East Asia** 18(1): 136-155.

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51. Wu CT, **Agrawal DC\***, Huang WY, Hsu HC, Yang SJ, Huang SL and Lin YS\* (2019) Functionality Analysis of Spent Coffee Ground Extracts Obtained by the Hydrothermal Method. **Journal of Chemistry** 19:1-8. <https://doi.org/10.1155/2019/4671438>.
52. Chang HC, Lu CY, Chen CC, Kuo CL, Tsay HS, **Agrawal DC\*** (2019) Plumbagin, a Plant-derived Naphthoquinone Production in Tissue Cultures of *Drosera spatulata* Labill. **Biotechnology** 18: 24-31.

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53. Kaul S, Choudhary M, Gupta S, **Agrawal DC**, Dhar MK (2019) Diversity and Medicinal Value of Mushrooms from the Himalayan Region, India. In: Agrawal DC and Dhanasekaran M (eds.), **Medicinal Mushrooms: Recent Progress in Research and Development**. [https://doi.org/10.1007/978-981-13-6382-5\\_15](https://doi.org/10.1007/978-981-13-6382-5_15). Springer Nature Singapore Pte Ltd. Pp. 371-389.
54. Shibu MA, Shanmugam T, **Agrawal DC\***, Huang CY\* (2019) Mushrooms: A Wealth of Resource for Prospective Stem Cell-Based Therapies. **In:** Other details same as in item no. 54. [https://doi.org/10.1007/978-981-13-6382-5\\_6](https://doi.org/10.1007/978-981-13-6382-5_6). Pp. 187-205.
55. Lee W, Fujihashi A, Govindarajulu M, Ramesh S, Deruiter J, Majrashi M, Almaghrabi M, Nadar RM, Moore T, **Agrawal DC\***, Dhanasekaran M\* (2019) Role of Mushrooms in Neurodegenerative Diseases. **In:** Other details same as in item no. 54. [https://doi.org/10.1007/978-981-13-6382-5\\_8](https://doi.org/10.1007/978-981-13-6382-5_8). Pp. 223-249.
56. Ramesh S, Majrashi M, Almaghrabi M, Govindarajulu M, Fahoury E, Fadan M, Buabeid M, Deruiter J, Clark R, Mulabagal V, **Agrawal DC\***, Moore T, Dhanasekaran M\* (2019) Overview of Therapeutic Efficacy of Mushrooms. **In:** Other details same as in item no. 54. [https://doi.org/10.1007/978-981-13-6382-5\\_3](https://doi.org/10.1007/978-981-13-6382-5_3). Pp. 103-141.
57. Ramesh S, Majrashi M, Almaghrabi M, Govindarajulu M, Fadan M, Deruiter J, Clark R, Mulabagal V, **Agrawal DC\***, Moore T, Dhanasekaran M\* (2019) Discovery of Muscarine Leading to the Basic Understanding of Cholinergic Neurotransmission and Various Clinical Interventions. **In:** Other details same as in item no. 54. [https://doi.org/10.1007/978-981-13-6382-5\\_11](https://doi.org/10.1007/978-981-13-6382-5_11). Pp. 299-316.