

Personal Details	Dr. Shivkanya Fuloria (Associate Professor)												
Academic Qualifications	<table border="1" data-bbox="456 327 1507 558"> <tr> <td data-bbox="456 327 743 401">Ph. D (Pharmacy)</td> <td data-bbox="743 327 776 401">:</td> <td data-bbox="776 327 1507 401">Amravati University, India, in 2011.</td> </tr> <tr> <td data-bbox="456 401 743 474">M. Pharm. (Pharmacognosy)</td> <td data-bbox="743 401 776 474">:</td> <td data-bbox="776 401 1507 474">Nagpur University, India, in 2002</td> </tr> <tr> <td data-bbox="456 474 743 516">B. Pharm</td> <td data-bbox="743 474 776 516">:</td> <td data-bbox="776 474 1507 516">Amravati University, India, in 2001.</td> </tr> <tr> <td data-bbox="456 516 743 558">D. Pharm</td> <td data-bbox="743 516 776 558">:</td> <td data-bbox="776 516 1507 558">Mumbai Technical Board, India, in 1998.</td> </tr> </table>	Ph. D (Pharmacy)	:	Amravati University, India, in 2011 .	M. Pharm. (Pharmacognosy)	:	Nagpur University, India, in 2002	B. Pharm	:	Amravati University, India, in 2001 .	D. Pharm	:	Mumbai Technical Board, India, in 1998 .
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B. Pharm	:	Amravati University, India, in 2001 .											
D. Pharm	:	Mumbai Technical Board, India, in 1998 .											
Administrative Duties	<ul style="list-style-type: none"> • Secretary FQACC - FOP • Course coordinator (P. Analysis) – FOP • Assistant Course Coordinator (Biochemistry) - FOP • Moderator – SGFS • Member, Curriculum Committee - FOP • Member: Centre of Excellence for Biomaterials Engineering, AMST university • Program Coordinator (MSc. P. Chemistry) – 2019-2020 												
Publications (Last 3 years)	<p>List of last 3 years papers (81 papers with cumulative impact factor 347.774)</p> <ul style="list-style-type: none"> • Suman R, Singh M, Priya S, Almalki WH, Haniffa SM, Subramaniyan V, Fuloria S, Fuloria NK, Sekar M, Singh SK, Jha NK, Chellappan DK, Negi P, Dua K, Gupta G. Exploring the mechanistic perspective of a new anti-tumor agent: Melatonin. Journal of Environmental Pathology, Toxicology and Oncology (2022). • Selvaraj LK, Jeyabalan S, Wong LS, Sekar M, Logeshwari B, Umamaheswari S, Premkumar S, Sekar RT, Begum MY, Gan SH, Rani NNIM, Chidambaram K, Subramaniyan V, Fatease AA, Alamri A, Sathasivam KV, Selvaraj S, Vijeepallam V, Fuloria S, Fuloria NK. Baicalein Prevents Stress-Induced Anxiety Behaviors in Zebrafish Model. Frontiers in Pharmacology. (2022). (Accepted) [Clarivate Analytics Impact factor: 5.988 (Q1) / Scopus] https://doi.org/10.1615/JEnvironPatholToxicolOncol.2022042088 [Clarivate Analytics Impact factor: 2.188 (Q4)/Scopus] • Fuloria NK, Dhanalekshmi UM, Sudhakar K, Subramaniyan V, Fuloria S. Detection of circulating tumor cells and epithelial progenitor cells: A comprehensive study. Journal of Environmental Pathology, Toxicology and Oncology (Proof) (2022). [Clarivate Analytics Impact factor: 2.188 (Q4)/Scopus] • Fuloria NK, Raheja RA, Shah KH, Oza MJ, Kulkarni YA, Subramaniyan V, Sekar M, Fuloria S. Biological Activities of Meroterpenoids Isolated from Different Sources. Frontiers In Pharmacology, (2022) https://doi.org/10.3389/fphar.2022.830103 [Clarivate Analytics Impact factor: 5.988 (Q1) / Scopus] Corresponding author • Behl T, Subramaniyan V, Fuloria NK, Fuloria S. A motley of possible therapies of the COVID-19 reminiscing the origin of the pandemic. Environmental science and pollution research. (2022). https://doi.org/10.1007/s11356-022-22345-w [Clarivate Analytics Impact factor: 5.19 (Q2) / Scopus] • Behl T, Subramaniyan V, Fuloria NK, Fuloria S. Focusing the pivot role of nanotechnology in Huntington’s disease. Environmental science and pollution research (2022). https://doi.org/10.1007/s11356-022-22830-2 [Clarivate Analytics Impact factor: 5.19 (Q2) / Scopus] • Jeyabalan S, Bala L, Subramanian K, Jabaris SL, Sekar M, Wong LS, Subramaniyan V, Chidambaram K, Gan SH, Mat Rani NNI, Begum MY, Safi SZ, Selvaraj S, Al Fatease A, Alamri A, Vijeepallam K, Fuloria S, Fuloria NK and Djearmane S. Potential effects of noni (Morinda citrifolia L.) fruits extract against obsessive-compulsive disorder in marble burying and nestlet shredding behavior mice models. Frontiers in Pharmacology. (2022). https://doi.org/10.3389/fphar.2022.993927 [Clarivate Analytics Impact factor: 5.988 (Q1) / Scopus] • Morais SR, K C, Jeyabalan S, Wong LS, Sekar M, Chidambaram K, Gan SH, Begum MY, Izzati 												

Mat Rani NN, Subramaniyan V, Fuloria S, Fuloria NK, Safi SZ, Sathasivam KV, Selvaraj S and Sharma VK (2022) Anticancer potential of *Spirastrella pachyspira* (marine sponge) against SK-BR-3 human breast cancer cell line and in silico analysis of its bioactive molecule sphingosine. *Frontiers in Marine sciences*. (2022). <https://doi.org/10.3389/fmars.2022.950880> [Clarivate Analytics Impact factor: 5.247 (Q1) / Scopus]

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Patents (Granted 10)

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Books:

Authors	Book Title	Publisher	Year	ISBN
N. K. Fuloria, S. Fuloria, A Singh, S. Kumar	Fundamentals of Pharmacoeconomics	Nirali Prakashan, India	2018	978-93-87686-41-0
N. K. Fuloria, S. Fuloria, K. Balaji, K. M. Sundram, S. Kathiresan	Principles and Practices of traditional, complementary and alternative medicine	Nirali Prakashan, India	2017	978-39-86353-63-4
N. K. Fuloria, S. Fuloria	Principles and practices of industrial management	Studium PressLLC USA	2015	1-62699-058-1
N. K. Fuloria, S. Fuloria	Spectroscopy: Fundamentals & Data Interpretation	Studium PressIndia Pvt. Ltd	2013	978-93-80012-58-2

Book Chapters:

- Vetrivelvan Subramaniyan, Neeraj Kumar Fuloria, Shivkanya Fuloria, and Iswar Hazarika, "Drug Treatment of Diarrhea", Textbook of Pharmacology, page 493-496, Thieme Publications, India, 2021.
- Fuloria S, Subramaniyan V, Sekar M, Wu YS, Chakravarthi S, Nordin RB, Sharma PK, Meenakshi DU, Mendiratta A & Fuloria NK, "Introduction to Microbiome", In: Gupta,

	<p>G., Oliver, B.G., Dua, K., Singh, A., MacLoughlin, R. (eds) Microbiome in Inflammatory Lung Diseases. Springer, Singapore, 2022. DOI: 10.1007/978-981-16-8957-4_2</p> <ul style="list-style-type: none"> • Rawat S, Chauhan A, Malviya R, Alam MA, Verma S, Fuloria S. Advancement in Gene Delivery. In book: Bioinformatics Tools and Big Data Analytics for Patient Care. Chapman and Hall/CRC. 10.1201/9781003226949-8 • Dhanalekshmi UM, Nandakumar S, Francis AP, Sweetey P, Fuloria S, Fuloria NK, Subramaniyan V, Khan SA. Deep Learning and Site-Specific Drug Delivery: The Future and Intelligent Decision Support for Pharmaceutical Manufacturing Science. In book: Deep Learning for Targeted Treatments. DOI: 10.1002/9781119857983.ch1
On-going Research	<ul style="list-style-type: none"> • FRGS Grant (2020-2023), titled “Establishment of TOP-1 and EGFR inhibition mechanism of insilico docked and synthesized novel CPT-11 analogues in oral squamous cell carcinoma.” • FRGS Grant (2020-2023), titled “Synthesis and evaluation of Novel Chromone Analogues potential against Corona Virus.” • FRGS Grant (2019-2022), titled “Discovery of novel benzamidine analogues based silver nano-formulation for treatment of periodontitis due to <i>P. gingivalis</i>: A study that encompasses molecular docking, 3D-QSAR analysis, synthesis and silver nano-formulation of benzamidine analogues accompanied by toxicity analysis, in-vitro and in-vivo (egg model) evaluation against gingipain.” • FRGS Grant (2019-2022), titled “Design and synthesis of new 6-Azauridine nucleoside analogues against DENV-2 virus NGC strain: A molecular docking, 3D-QSAR and in vitro C6/36 cell line activity based anti-dengue study.” <p>PhD Pharmacy</p> <ul style="list-style-type: none"> • 01, 2019 onwards <p>PhD Biotechnology</p> <ul style="list-style-type: none"> • 03, from 2019 onwards • 02, from 2020 onwards <p>MSc. (Medicine)</p> <ul style="list-style-type: none"> • 01, from 2021 onwards
Completed Research	<ul style="list-style-type: none"> • 20 B. Pharm • 02 MSc. • 05 M. Pharm
Research Grants	<ul style="list-style-type: none"> • Principal Investigator Fuloria NK, Fuloria S, Dahiya R, Dahiya S, Rishabh M, Received APP Research & Publication Grant Award “Synthesis, Characterization and Evaluation of Polyvinyl Alcohol Grafted Tamarind Seed Polysaccharide as Carrier for Nanodrug Delivery System”, in 2021 for one year (11300 MYR) . • Co-Investigator: Fuloria S, Fuloria NK, Ugrappa S, Ravichandran M, Maheswaran S, Received FRGS Grant from Malaysia Greater Research Network System (MYGRANTS) under Ministry of Higher Education (MOHE) Malaysia, titled “Establishment of TOP-1 and EGFR inhibition mechanism of insilico docked and synthesized novel CPT-11 analogues in oral squamous cell carcinoma.” In October 2020 for three years (117000 MYR). • Co-Investigator: Ravichandran M, Fuloria NK, Fuloria S, Kurunathan S, Pattabhiraman L, Yusop FFBM, Received FRGS Grant from Malaysia Greater Research Network System (MYGRANTS) under Ministry of Higher Education (MOHE) Malaysia, titled “Synthesis

	<p>and evaluation of Novel Chromone Analogues potential against Corona Virus.” In October 2020 for three years (150000 MYR).</p> <ul style="list-style-type: none"> • Co-Investigator: Ravichandran M, Fuloria NK, Fuloria S, Received research fund under LRGS/UMS/AIMST/2020, titled “Development of potential Biological as the Therapeutics and Prophylactics against TB” under Ministry of Higher Education (MOHE) Malaysia, in July 2020 (60000 MYR or 110000 INR) • Co-Investigator: Pattabhiraman L, Ravichandran M, Fuloria NK, Fuloria S, Monover T, Received national FRGS Grant from Malaysia Greater Research Network System (MYGRANTS) under Ministry of Higher Education (MOHE) Malaysia, titled “Discovery of novel benzamidine analogues based silver nano-formulation for treatment of periodontitis due to <i>P. gingivalis</i>: A study that encompasses molecular docking, 3D-QSAR analysis, synthesis and silver nano-formulation of benzamidine analogues accompanied by toxicity analysis, in-vitro and in-vivo (egg model) evaluation against gingipain.” In October 2018 for three years. (140800 MYR) • Co-Investigator: Sundram KM, Fuloria NK, Fuloria S, Ravichndran V, Received national FRGS Grant from Malaysia Greater Research Network System (MYGRANTS) under Ministry of Higher Education (MOHE) Malaysia, titled “Design and synthesis of new 6-Azauridine nucleoside analogues against DENV-2 virus NGC strain: A molecular docking, 3D-QSAR and in vitro C6/36 cell line activity based anti-dengue study.” In October 2018 for three years. (150000 MYR) • Co-Investigator: Fuloria NK, Fuloria S, Received International Grant for “Tubulin Inhibition studies” in 2018, from Jamia Hamdard, India. (5660 MYR)
Awards	<ul style="list-style-type: none"> • Dr. Shivkanya Fuloria certified as NEARPOD Certified educator by NEARPOD, USA on 5 March 2019. • Received best presentation award at 19th International Conference on Medicinal Chemistry and Molecular Pharmacology, March 2017, Singapore. • Received appreciation award at AIMST University, during Teachers Award Ceremony of Kedah State, Malaysia, at AIMST University, on 22nd May 2017. • Qualified Graduate Aptitude Test in Engineering (GATE 2001) With 83.76 %, in India.
Professional Membership	<ul style="list-style-type: none"> • Member, NMR society of India • Member, Indian Society of Analytical Scientists • Member, Indian Pharmacy Graduate Association • Member, Delhi Pharmacy Council Welfare Trust • Member, Oniosome Healthcare Private Ltd (Scientific Research Advisory Board). • Member, Indian Pharmaceutical Association • Member, APTI
Supervision	<p>Supervised</p> <ul style="list-style-type: none"> • 05 M. Pharm research scholars <p>Co-Supervised</p> <ul style="list-style-type: none"> • 02 Msc. (Medicine and Biotechnology) research scholars • 23 B. Pharm research scholars <p>Currently co-supervising</p> <ul style="list-style-type: none"> • 06 PhD (Pharmacy and Biotechnology) research scholars • 01 MSc. (Medicine) research scholar
Teaching	Undergraduates and Postgraduates

Areas of Expertise	<ul style="list-style-type: none">• Drug Design, Synthesis, biological evaluation, cell line studies for antibiotics, anti-tubercular, anti-inflammatory, anti-dengue, anti-diabetic, anti-HIV, anti-periodontitis, RCT agents, dental implants, and anticancer agents (topoisomerase inhibitor, tubulin inhibitor, VEGF/EGFR inhibitors).• Phytochemical investigation (extraction and isolation) and Molecular Characterization of synthetic and Phytoisolates: IR, NMR, and MASS.• Nanoformulation designing (nanoparticles, nano-conjugates, nanofibres, electrospin nano films, multilayered Nano coats)• Analytical method development and validation for pharmaceuticals (UV, HPLC, electrophoresis).
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