

Curriculum Vitae

**Maushmi S. Kumar, B. Pharm. (Honours),
M. Tech., Ph.D.**

Associate Professor (Life Sciences)

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Research profile pages

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https://www.researchgate.net/profile/Maushmi_Kumar

https://scholar.google.co.in/citations?user=BL_NvxAAAAAJ&hl=en

<https://loop.frontiersin.org/people/496522/publications>

OBJECTIVE STATEMENT

A highly motivated and trustworthy Associate Professor at Somaiya Vidyavihar University, Mumbai imparting more than 16 years of Biochemistry, Pharmaceutical Microbiology and Pharmaceutical Biotechnology knowledge while pursuing exclusive research opportunities in the field of Cancer, Inflammation and Marine Biotechnology.

CAREER APPOINTMENTS

20th March 2023 onwards-

Associate Professor, Life Sciences, Somaiya Institute for Research and Consultancy, Somaiya Vidya Vihar University, Mumbai- 400077.

1st August 2009- 15th March 2023 (13 years, 7 months)

Assistant Professor, Pharmaceutical Biotechnology, Shobhaben Pratap Bhai Patel School of Pharmacy and Technology Management, SVKM's NMIMS University, Mumbai- 400056.

09th Oct, 2006 - 20th July 2009
(3 years)

Senior Executive, Process Engineering and Product Development, Alembic Ltd., Vadodara, Gujarat, India.

CAREER HISTORY & DETAILS

Research Projects

- Implemented and carrying out SERB POWER, DST grant awarded of Rs. 2989096 lakhs work on blood brain barrier permeability of gut microbes transformed low molecular weight marine poly(phenols) as attenuators of neuroinflammation.

- Ongoing Govt project from SERB CRG- DST, as PI worth Rs. 35 lakhs on Tumor Model and Mechanistic Studies of the AC2, AC7 and AC26 for the treatment of Glioblastoma.
- Completed DBT, Government of India funded project worth 35 Lakhs on Isolation, characterization and evaluation of anti-inflammatory compounds isolated from marine sponges of Maharashtra coastal regions
- Consultancy with L'Oréal India under MOU signed since 2016 for three years.
- Collaboration with CSIR-National Institute of Oceanography, Goa and ICAR-Central Institute of Fisheries Education, Versova, Mumbai.

Students Guided

Ongoing 2 PhD;

Completed Masters- 43; JRFs- 3.

Courses Taught

B. Pharm- Pharmaceutical Microbiology

B. Pharm- Biochemistry

B. Pharm- Pharmaceutical Biotechnology

M. Pharm- Downstream Processing of Biomolecules

M. Pharm- Advances in Pharmaceutical Biotechnology

M.Pharm- Theory of Immunology and Enzyme Techniques²⁷

M.Pharm- Theory of Modern Analytical Techniques and Quality System

Industrial experience (3 years)

Worked in Process Development as Senior Executive for three years 2006 -2009, with Alembic Ltd., Vadodara for the Production and method development of Penicillin, 6-Amino Penicillanamic acid, Erythromycin and Lovastatin. The company is involved in manufacturing and marketing of fermentation and chemistry based Active Pharmaceuticals Ingredients (API). The Company is also engaged in Research and Development activity at Vadodara.

Research contributions

My research and development contributions have been on the Fermentation and downstream process optimization for penicillin, erythromycin recovery has been a prime assignment which was increased from 78% to 92 % with the technology developed by our team using resin bed chromatography.

Contribution to NIH, National Centre of Biotechnology Information (NCBI), USA from Marine Biotechnology Research work-

- Direct Submission of GenBank: MN482714-MN482715, Processed SUB6242131

- Direct Submission of GenBank: MN475232-MN475236, Processed SUB6306891
- Direct Submission of GenBank: MN396256-MN396262, Processed SUB6242106
- Direct Submission of GenBank: MN396243, Processed SUB6242062
- Direct Submission of Locus KT750840 770 bp DNA linear BCT 15-SEP-2015. Bacillus sp. GSA10 16S ribosomal RNA gene, partial sequence (21 Sept 2015).
- Direct Submission of Locus Kf488586 772 bp DNA Linear BCT 04-Sep-2013, Bacterium HGA 16s Ribosomal RNA Gene, Partial Sequence with Accession Kf488586 (31-JUL-2013)

Workshop Coordinator

Two days' workshop organized under SERB-CRG grant Scientific Social Responsibility (SSR) policy for faculty members (Virtual mode) on **"Emerging areas in Cancer research and Future of Innovation"**, on February 26th & 27th, 2021

Two days' workshop on **"Fundamentals of Mass Spectrometry-Based Proteomics"** in collaboration with Proteomics Society, India held at Shobhaben Pratapbhai Patel School of Pharmacy and Technology Management, SVKM'S NMIMS University, Mumbai on October 6th-7th, 2017.

Organizing Committee Member

a) **Local Organizing Committee member** at the PCI sponsored Continuing Education Programme on "Futuristic Trends in Teaching, Pedagogy and Research in Pharmaceutical Sciences" organized by SPPSPTM, SVKM'S NMIMS during February 14-16, 2019.

b) **Local Organizing Committee Member for 50th Annual Conference of Indian Pharmacological Society (IPSCON 2017) for Food and Hospitality and Helpdesk**

c) National Seminar on **"Techno-Managerial skills"** on January 4th, 2016.

d) National Conference on **"Nanotechnology in Drug Delivery Research: Innovations, Challenges & Opportunities"**, (NCNDDR) October 16-17, 2015 cosponsored by ICMR, Zydus Cadila and Shaimadzu.

e) National Workshop on **"Flow Cytometry: Basic & Clinical Applications"** in collaboration with The Cytometry Society, India from April 10th- 11th, 2015.

f) One-day **Biotech Seminar** at SPPSPTM, 2010.

RESEARCH INTERESTS

- Marine Biotechnology and Marine Natural Products
- Marine sponge symbiotic relations with bacteria and their role as producers of bioactive compounds
- Fermentation and microbial production of secondary metabolites
- Downstream processing of bioactive from microbial/natural sources

QUALIFICATIONS

2014	<p>Ph.D., Faculty of Science and Technology (Applied Zoology) Mangalore University, Mangalore.</p> <p>Research Centre- Central Institute of Fisheries Education, Versova, Andheri west, Mumbai- 400053.</p> <p>PhD Registration (Feb 2010) PhD Thesis Submission (March 2013) Award of PhD (March 2014)</p>
2006	<p>M.Tech., Bioprocess Technology, Institute of Chemical Technology (formerly UDCT), Mumbai University, Matunga, Mumbai.</p>
2004	<p>B.Pharm.(Honours), VNS Institute of Pharmacy, Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal.</p>

ADDITIONAL COURSES/WORKSHOPS/SEMINARS

2022	Successfully completed MOOC on “ Digital Assessment and Evaluation Methodologies ” during September 1-30, 2022
2021	Participated in the webinar held at Tata Memorial Advanced Centre for treatment, Research and Education in Cancer on 29 th April, 2021 in the symposium on Taming the Beast of Inflammation: Covid-19.
2021	Participated in the Workshop cum Training " Natural Products from Marine Bioresources " (Virtual Mode), organized by CSIR-NIO, Dona Paula, Goa, during 30-31 March 2021.
2021	Five days FDP on “Incorporating Universal Human Values in Education” from March 22-26 th , 2021.
2020	Completed Course era on Introduction to Algae
2019	Successfully completed Web of Science Basic Series Certification on November 29, 2019

2019	Attended Biosimilar event-ByoEdu 2019 , for improved academic-industrial collaborations held on November 30, 2019.
2019	Completed 3 days First workshop on Marine Sponge Taxonomy from 20 th -22 th November, 2019 held at CSIR-NIO, Goa
2019	Participated as a delegate in Faculty Development Program on “ Emerging Trends in Pharmaceutical Research ” conducted by SPPSPTM, SVKM’S NMIMS from Nov 14-17 th , 2019.
2019	Participated as a delegate in Faculty Development Program on “ Role of Faculty in Accreditation, Ranking, and Quality Education ” conducted by SPPSPTM, SVKM’S NMIMS from April 23-25 th , 2019.
2018	Participated as a delegate in Faculty Development Program on “ Innovative Pedagogy and Research Methodology ” conducted by SPPSPTM, SVKM’S NMIMS from Nov. 27-29, 2018.
2018	Certificate of Achievement for completing the course on Bacterial Genomes: Disease Outbreaks and Antimicrobial Resistance accredited by The Royal College of Pathologists (RCPath) and Royal College of Nursing from Wellcome Sanger Institute, Wellcome Genome Campus Advanced Courses and Scientific Conferences attended in November 2018 (3 weeks, 3 hours per week).
2017	Completed successfully one-month MOOC on Teaching Management from Nov 1 st - 30 th , 2017 conducted by ICAR- National Academy of Agricultural Research Management, Hyderabad.
2017	Faculty Development Program on “ Research Methodology ” conducted by UNSW Sydney on November 17 th , 2017.
2010	Participated as a delegate in Faculty Development Program on conducted at SPPSPTM, SVKM’S NMIMS on May 2-3, 2010.
2007	6 months Certificate Course by Indian Law Institute, New Delhi on Intellectual Property Rights and Information Technology in the Internet Age.
2008	Novasep Process Workshop Preparative and Industrial Chromatography (By Dr. Henri Collin, France) Detailing: Batch Continuous & SFC
2001	Centre for Entrepreneurship Development, M.P. conducted workshop on Cultivation and Collection of

Aromatic and Medicinal Plant at V.N.S. Institute of Pharmacy, Bhopal, M.P.

ACHIEVEMENTS

July 2020

Honored to be included as a sponge scientist in Schönberg CHL (2020) **Who is who in sponge science 2020**. In: Van Soest RWM, Boury-Esnault N, Hooper JNA, Rützler K, de Voogd NJ, Alvarez B, Hajdu E, Pisera AB, Manconi R, Schönberg CHL, Klautau M, Kelly M, Vacelet J, Dohrmann M, Díaz M-C, Cárdenas P, Carballo JL, Rios P, Downey R, Morrow CC (2020) World Porifera Database. Accessed at <http://www.marinespecies.org/porifera> on [present date].

January 2018

Successful completion of Level-2 workshop on Science Administration and Management held on January 08-09, 2018 at IISER, Pune funded by British Council and Newton Bhabha Fund.

September 2017

Successful completion of Level-1 workshop on Science Administration and Management for Women held at IISER, Pune from September 18th- 21st, 2017 funded by British Council and Newton Bhabha Fund.

January 2016

Selected for Participation in three days Brainstorming meeting on **“Renewing the tradition of natural product research in India”** at CSIR CDRI, Lucknow. 21-23 Jan 2016 Funded by Department of Science and Technology, Govt. of India.

March 2016

Biographical profile inclusion in the Marquis Who's Who in the World® 2016 (33rd Edition) with VIP inclusion no. 36999696

September 2015

FSAB, Fellow award from Society for Applied Biotechnology, India.

January 2014

1-Week Hands-on Workshop on Human/Cancer Cell Culture Techniques & MTT Assay at International Centre for Stem Cells, Cancer and Biotechnology (ICSCCB), R.H. 2, Ujwal Regalia, Baner Road, Baner, near Prabhavate Tech Park, Pune, Maharashtra 411045 from 20th January, 2014 to 25 January, 2014

September 2014

Loyalty Benefit Awarded from the Chancellor of the SVKM's NMIMS University @ Rs. 5000/- per month since 1st September 2014 as a part of service to SVKM NMIMS for more than 5 years.

- October 2014** Award for **Academic Excellence in Ph.D. research work** by ICICI Bank at Taj Lands' End, Bandra on October 17, 2014.
- Dec 2010** **Distinguished Paper Award** at International Conference at Bangkok.
- July 2006** Recipient of **Junior Research Fellowship** Department of Biotechnology (DBT), Government of India for the project "Fermentative Production and Downstream Processing of soluble beta glucans from fungal source".
- M. Tech. in Bioprocess Technology 1st Division-A Grade.
- Feb 2004** **Graduate Aptitude Test in Engineering (GATE)** conducted by Indian Institute of Technology Delhi, India.
Scored **94.84** percentile (**AIR 438**)
- Aug 1999 – Dec 2003** Rajiv Gandhi Technical University, Bhopal
'Bachelor of Pharmacy'
- **University rank holder 2nd (Silver Medalist)**
 - **First class with distinction (78.93%)**
 - **B. Pharm topper in all the Semesters.**

Research Grants Completed

Department of Biotechnology, Government of India funded project entitled "**Isolation, characterization and evaluation of anti-inflammatory compounds from marine sponges of Maharashtra coastal regions**" worth Rs. 35.681 lakhs for three years.

"Efficient screening of Marine sponge-associated Bacterial extracts for Protease Enzyme Inhibitor" worth Rs. 100000 from 16/10/2017 to 16/10/2019 University Seed Grant-SVKM'S NMIMS University, Mumbai.

Industrial collaborative research

Sr. no	Project	Amount	Start	End	PI/CoPI	Industry
1	Production of biosurfactants from microbial sources	100000	5/06/2017	5/6/2019	PI- Dr. Maushmi Kumar	M/S L'oreal India Private Limited, Bangalore
2	Producing natural surfactants utilizing microbial strain	Nil	9/10/2014	9/10/2015	PI- Dr. Maushmi Kumar	M/S L'oreal India Private

	from natural sources					Limited, Bangalore
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Publications

Peer-reviewed publications (42 total, listed in reverse chronological order are the best ones explaining my research area). Detail of Publications can be found at
https://www.researchgate.net/profile/Maushmi_Kumar
and
https://scholar.google.co.in/citations?user=BL_NvxAAAAAJ&hl=en

1. TT Yadav, PD Patil, GM Shaikh, **MS Kumar**, M Chintamaneni (2023) Evaluation of N10-substituted acridone-based derivatives as AKT inhibitors against breast cancer cells: in vitro and molecular docking studies. 3 Biotech 13 (4), 111 (**IF 3.446**).
2. TT Yadav, **MS Kumar**, Mayur YC (2023) Synthesis, cytotoxicity, and docking based analysis of acridone-N-acetamides as AKT kinase inhibitors. Chemical Papers, 1-16 (**IF 2.146**).
3. Dhruv S. Gupta, **Maushmi S. Kumar** (2022) The implications of quorum sensing inhibition in bacterial antibiotic resistance-with a special focus on aquaculture. Journal of Microbiological Methods, 106602 (**IF 2.622**).
4. **Maushmi S. Kumar** (2022) Chemical Constituents and Anti-inflammatory Properties of the Marine Sponge *Haliclona cratera* from Konkan, India. Russian Journal of Marine Biology, 48(4):285-296. (**IF 0.76**)
5. **Maushmi S. Kumar** (2022) Antifungal and antibacterial activity of marine sponges from Ratnagiri coast of India. Journal of Medical Mycology 32(4): 101305.doi: 10.1016/j.mycmed.2022.101305 (**IF 3.747**)
6. Tanuja Yadav, Gulam Moin Shaikh, **Maushmi S. Kumar**, Meena Chintamaneni, YC Mayur (2022) A Review on Fused Pyrimidine Systems as EGFR Inhibitors and Their Structure–Activity Relationship. Frontiers in Chemistry, 10:861288. DOI: 10.3389/fchem.2022.861288 (**IF 5.545**)
7. Ghulam Moin, Shikha Thakur, Manikanta Murahari, **Maushmi S Kumar**, YC Mayur (2022) Studies on ligand-based pharmacophore modeling approach in identifying potent future EGFR inhibitors. Journal of Molecular Graphics and Modelling. Volume 112, May 2022, 108114 (**IF: 2.518**) doi: 10.1016/j.jmgm.2021.108114

8. Madhav Ambati, **Maushmi S. Kumar** (2022) Microbial Diversity in the Indian Ocean Sediments: An Insight into the Distribution and Associated Factors. *Current Microbiology* 79 (115), 1-12 (IF: **2.343**). DOI: 10.1007/s00284-022-02801-z
9. Shalini Bajaj, **Maushmi S. Kumar**, Hussain Tinwala, YC Mayur (2021) Design, synthesis, modelling studies and biological evaluation of 1, 3, 4-oxadiazole derivatives as potent anticancer agents targeting thymidine phosphorylase enzyme. *Bioorganic Chemistry*, Volume 111, Pages 104873. (IF: **5.307**) DOI: 10.1016/j.bioorg.2021.104873
10. **Kumar Maushmi S.**, SA Sharma (2021) Toxicological effects of marine seaweeds: a cautious insight for human consumption. *Critical Reviews in Food Science and Nutrition*, 61:3, 500-521. (IF: **11.208**) DOI: 10.1080/10408398.2020.1738334
11. S Khan, KH Barve, **Kumar Maushmi S.** (2020) Recent Advancements in Pathogenesis, Diagnostics and Treatment of Alzheimer's disease. *Current Neuropharmacology*. 18(11), 1106 – 1125. (IF: **7.708**) DOI: 10.2174/1570159X18666200528142429
12. S Chaudhari, **Kumar Maushmi S.** (2020) Marine sponges *Sarcotragus foetidus*, *Xestospongia carbonaria* and *Spongia obscura* constituents ameliorate IL-1 β and IL-6 in lipopolysaccharide-induced RAW 264.7 macrophages and carrageenan-induced oedema in rats. *Inflammopharmacology*. 28(4), 1091-1119. (IF: **5.093**) DOI: 10.1007/s10787-020-00699-2
13. Shalini Bajaj*, **Kumar Maushmi S.***, GJ Peters, YC Mayur (2020) Targeting telomerase for its advent in cancer therapeutics. *Medicinal Research Reviews*. 40(5), 1871-1919. (IF **12.388**)
14. **Kumar Maushmi S.**, Yadav TT, Khair RR, Peters GJ, Yergeri MC (2019) Combination therapies of Artemisinin and its derivatives as a viable approach for future cancer treatment. *Curr Pharm Des*. 25(31) 3323 – 3338. doi: 10.2174/1381612825666190902155957. (IF **3.116**)
15. Simrin Kapoor, Namrata Nailwal, **Kumar Maushmi S.**, Kalyani Barve (2019) Recent patents and discovery of anti-inflammatory agents from marine source. *Recent Patents on Inflammation & Allergy Drug Discovery* 13(2): 105-114. DOI: 10.2174/1872213X13666190426164717
16. Sharma MJ, **Kumar Maushmi S.**, Murahari M, Mayur YC. (2019) Synthesis of novel gefitinib-based derivatives and their anticancer activity. *Arch Pharm Chem Life Sci*. e1800381. 352(5). doi:10.1002/ardp.201800381 (IF **4.613**)

17. Manikanta Murahari, Vivek Mahajan, Sreenivasulu Neeladri, **Kumar Maushmi S.**, YC Mayur (2019) Ligand based Design and Synthesis of Pyrazole Based Derivatives as Selective COX-2 Inhibitors. *Bioorganic Chemistry*. 86, 583-597. Doi: 10.1016/j.bioorg.2019.02.031. (IF 5.275)
18. Aayushi Vasani, **Kumar Maushmi S.** (2019) Advances in the proteomics of amniotic fluid to detect biomarkers for chromosomal abnormalities and fetomaternal complications during pregnancy. **Expert Review of Proteomics**, 16:4, 277-286, DOI: 10.1080/14789450.2019.1578213, (IF. 3.940)
19. Maushmi S. Kumar (2019) Peptides and Peptidomimetics as Potential Antiobesity Agents: Overview of Current Status. **Frontiers in Nutrition**, 6(11). doi: 10.3389/fnut.2019.00011 (IF: 6.576)
20. Muna Subedi, Shalini Bajaj, **Kumar Maushmi S.**, Mayur YC (2019) An overview of tramadol and its usage in pain management and future perspective. *Biomedicine & Pharmacotherapy*. March 111, 443-451. (Impact factor. 6.529) doi: 10.1016/j.biopha.2018.12.085
21. **Kumar Maushmi S.** and Kaveri Adki (2018) Marine natural products for multi-targeted cancer treatment: A future insight. *Biomedicine & Pharmacotherapy*. September 105, 233–245. (IF 6.529) doi: 10.1016/j.biopha.2018.05.142.
22. Rashmi Phadale and **Kumar Maushmi S.** (2018) Characterization of an Antimicrobial and Antioxidant Compound from A Marine Bacterium GSA10 Associated with The Sponge *Halichondria Glabrata*. *Journal of Microbiology, Biotechnology and Food Sciences*. 7(6) 651-658. DOI:10.15414/jmbfs.2018.7.6.651-658
23. Aman Dube and **Kumar Maushmi S.** (2017) Biotransformation of bromhexine by *Cunninghamella elegans*, *C. echinulata* and *C. blakesleeana*. *Brazilian Journal of Microbiology*. 48(2):259-267. (Impact factor. 2.476) doi: 10.1016/j.bjm.2016.11.003
24. **Kumar Maushmi S.** and Pal Asim K. (2016) A review of bioactive compounds from marine organisms with special mention on the potential of marine sponges in pharmacological applications. *Journal of Marine Biological Association of India*, 58(1), 87-96. NAAS rating: 5.28 doi:10.6024/jmbai.2016.58.1.1862-0x
25. Menon Pooja, **Kumar Maushmi S.** (2016) Trans generational immune priming in aquaculture: disease combating potential *International Journal of Fisheries and Aquatic Studies* 4 2 (Part B) 126-130.
<https://www.fisheriesjournal.com/archives/?year=2016&vol=4&issue=2&part=B&ArticleId=681> Corresponding author 1

26. Mishra Shruti, **Kumar Maushmi S.**, Robert Cyril Stanley H, Anal Anil K. (2016) Modulation of Digestive Enzymes and Lipoprotein Metabolism by Alpha Mangosteen Extracted from Mangosteen (*Garcinia mangostana*) Fruit Peels. Journal of Microbiology, Biotechnology and Food Sciences, 6(1), 717-721.
27. Kaur Ginpreet, Mukundan Simi, Wani Vaidehi and **Kumar Maushmi S.** (2015) Nutraceuticals in the management and prevention of Metabolic Syndrome. Austin Journal of Pharmacology and Therapeutics, 3(1), 1063.
28. Kumar Maushmi, Menon Pooja (2015) Fast food carcinogens. World journal of Pharmaceutical Research 4 (8) 965-980. https://wjpr.s3.ap-south-1.amazonaws.com/article_issue/1438325967.pdf
29. **Kumar Maushmi**, KK Vijaylaxmi, Asim K Pal (2014) Anti-inflammatory and antioxidant properties of *Spongosorites halichondriodes*, a marine sponge. Turkish Journal of Pharmaceutical Sciences, 11(3): 285-294.
30. Jogani Shaishav and **Kumar Maushmi (2014)** Primary characterization of sponge associated bacteria of marine sponges- *Halichondria glabrata*, *Cliona lobata*, *Spirastrella pachyspira* and their antimicrobial properties. Journal of Microbiology, Biotechnology and Food Sciences 4 (2), 117-121.
31. Menon Pooja and **Kumar Maushmi** (2014) Diabetes-post-translational protein modification for development of new drugs. Indian Drugs 51 (9), 1-11.
32. **Kumar Maushmi** and Gopalkrishnan S (2014) Evaluation, partial characterization and purification of Acetylcholine esterase enzyme and antiangiogenic activity from marine sponges. Journal of Coastal Life Medicine 2(11), 849-854.
33. **Kumar Maushmi** and Bhaumik Shah (2014) Comparative structural morphometry and elemental composition of three marine sponges from Western Coast of India. Microscopy Research and Technique, 77(4), 296-304. (IF 2.769)
34. **Kumar Maushmi**, Asim K Pal (2013) GC/MS-MS Analysis of Some Bioactive Constituents from marine sponge, *Spongosorites halichondriodes* (Dendy, 1905) Chemistry of Natural Compounds, 4:771-772. (IF 0.809)
35. **Kumar Maushmi**, Nancy Pandita, Asim K Pal (2012) LC- MS/MS as a tool for identification of bioactive compounds in marine sponge *Spongosorites halichondriodes* (Dendy 1905) Toxicon, 60(6):1135-47. (IF 3.033)
36. **Kumar Maushmi**, Asim K Pal (2012) Investigation of bioactivity of extracts of Marine sponge, *Spongosorites halichondrioides* (Dendy, 1905) from western coastal areas of India. Asian Pacific Journal of Tropical Biomedicine, S1784-S1789. (IF 1.545)

37. **Kumar Maushmi**, Subhod Gupta and Asim K. Pal (2012) Isolation of Bioactive Proteins from the Marine Sponge *Spongisorites halichondriodes* (Dendy, 1905). World Applied Sciences Journal 17 (6): 729-734.
38. **Kumar Maushmi**, Dipa Desai, Asim K. Pal (2012) Immunomodulatory Potential of a Marine Sponge *Spongisorites halichondriodes* (Dendy, 1905) Turkish Journal of Fisheries and Aquatic Sciences 12: 67-71. **(IF 1.264)**
39. **Kumar Maushmi**, Vikas Verma, Sarvesh Soni and ASP Rao (2012) Identification and Process Development for enhanced Production of Lipstatin from *Streptomyces toxytricini* (NRRL 15443) and further Downstream Processing. Advanced Biotech, 11 (7) 06-11.
40. **Kumar Maushmi**, Ravi Mendhe and Sarvesh Soni (2012) Process Development for the Production of Vancomycin from a Mutant Strain of *Amicolatopsis orientalis* ATCC 17975. Advanced Biotech, volume: 11 (11) 36-39.
41. **Kumar Maushmi** and Rekha Singhal (2011) Rheological Behaviour of Schizophyllan in Fermentation System. American Journal of Food Technology, 6(2), 781-789.
42. **Kumar Maushmi**, Shrikant Survase and Rekha Singhal (2008) Production of schizophyllan using *Schizophyllum commune* NRCM. Bioresource Technology 99, 1036–1043. **(IF 9.642)**

Guest talk/ Oral/ Poster Presentations

1. An invited faculty facilitator for CIPLA employees' western zone MDP at SVKM's NMIMS on Antibiotics and Antimicrobial Resistance from March 2-3rd, 2023.
2. An invited talk at Bhavan's A.H. Wadia High School on Drugs from Microbes for the Science Club on August 1, 2022.
3. A resource speaker in AICTE-ISTE sponsored Online Refresher Programme on “**Current Trends in Drug Discovery and Formulation Development**” organized by Parul Institute of Pharmacy and Research, Parul University during 22nd-26th April, 2021. Topic of ppt- **Marine Drug Discovery- Current status and Challenges**.
4. A Resource person for AICTE sponsored FDP at H.K. College of Pharmacy on “Emerging Trends in Pharmaceutical Sciences” and delivered a lecture on **Fermenter and Fermentation products in healthcare system** held during 25th November to 7th December, 2019.
5. Maushmi Kumar*, Sayli Chaudhari (2019) **Anti-Inflammatory Activity of Selected Marine Sponges from Ratnagiri coast, India** as Oral flash and poster presentation at

- Marine Biotechnology Conference 2019 held at Shizouka, Japan from September 9th-13th, 2019.
6. Velisha Mehta, Divya Soares, Maushmi Kumar and Mayur Yergeri (2019) **Development, characterization and mechanistic insights of polymeric nanoparticles of gemcitabine** (NDDT 02) at International Conference on Advances in Materials Science & Applied Biology 8th–10th January 2019 held at Mukesh Patel Auditorium, SVKM's NMIMS (Deemed to be University), Mumbai, India.
 7. Mrunal Sharma, Maushmi S. Kumar, Mayur YC (2018) **Synthesis of Gefitinib Based Derivatives & Its Cytotoxicity and Mechanistic Studies** (No-2E-15) at 70th IPC, December 21-23, Delhi NCR.
 8. Adki KM, Doshi T, Naik SR, Kumar MS, Vanage GR (2018) **“Effect of Oral Exposure to Bisphenol A On Adult Male Rat Fertility”** oral presentation at Golden Jubilee Concluding Celebrations & Annual Conference of Indian Pharmacological Society (IPSCON-2017) “Integrating Pharmacology with Modern Healthcare” 15-17th February, 2018.
 9. As an invited speaker for Bio Pharma- Collaborate to Innovate **“Marine Biomolecules: New Facets of Research and Innovations in Human Healthcare** “held on 25th April, 2018 at Bombay Exhibition Centre, Mumbai organized by Messe Munchen. India.
 10. DBT project poster bagged Second Prize for poster presentation titled “Biotechnological Techniques in Marine Drug Discovery” co-authored and guided by Dr. Maushmi S. Kumar at the Two Days National Symposium on “Scope, Innovations and Methods in Biotechnology” held at MET Institute of Pharmacy, Mumbai on 11th and 12th August 2017. There were total twenty-five presenters for her session who had participated from various pharmacy colleges. She has been awarded Second Prize with a Certificate of Merit and Cash Prize by the organizing committee.
 11. As a resource person for giving invited talk on “Drugs from marine organisms “in CAFT training program on “Application of medicated feed in aquaculture” held during 13th to 23rd February 2017 at ICAR-CIFE Mumbai.
 12. As an Invited speaker for a plenary session, presenter and chairperson for a session at The International Conference on Recent Trends in Agriculture, Veterinary & Life Sciences - 2017 (ICAVLS) held at Carmel College for Women, Nuvem, Goa in collaboration with International Multidisciplinary Research Foundation in conjunction with the Life Sciences International Research Journal co-organized by IMRF India, Centre for Scientific Research Education Institute for Foreign Affairs & Diplomacy.

- Gave a talk on “**Marine natural compounds- A way ahead for new Pharmaceuticals**”
The conference was approved by Govt. of India, Ministry of Human Resource Development, Ministry of External Affairs and Ministry of Home Affairs (2nd- 4th Feb, 2017).
13. Invited speaker gave a talk on “**Marine Sponge Bioactive Compounds of Mumbai Coastal Region and Their Pharmacological Properties**” at the 1st International Conference on Novel Frontiers in Pharmaceutical & Health Sciences (INNOPHARM 1) held during 10-11 October 2015.
 14. Aman Dube and **Maushmi Kumar** (2015) Microbial Biotransformation of Bromhexine, poster presentation at DMPK Symposium NIPER- Mohali, Feb 18-21, 2015. (International)
 15. Tanvi Nagri, Aman Dube and **Maushmi Kumar** (2015) Anti-inflammatory and immunomodulatory activity of isolated compounds from marine sponge *Cliona lobata*, oral presentation in National Conference in recent advances in animal Sciences, February 13-15 at Department of Applied Zoology, Mangalore University.
 16. **Maushmi Kumar** and Asim K. Pal (2014) *Spongosorites halichondriodes* as a potential source of bioactive compounds as a poster at Marine Ecosystems Challenges & Opportunities held at Kochi, Kerala during 2nd -5th December, 2014. Organized by Marine Biological Association of India. (International)
 17. **Bhakti Shethia** and **Maushmi Kumar** (2013) Acute Toxicity Study of *Pseudosuberitus Andrewsii* (Kirkpatrick), *Halichondria Glabrata* (Keller) and *Axinella Halichondriodes* (Dendy); Marine Sponges Extracts On Brine Shrimp Model; at National Symposium On Multidisciplinary Research in Biomedical and Applied Sciences School of Science, SVKM's NMIMS, November 11-12, 2013
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Fellow Society of Applied Biotechnology, Tamil Nadu, India.

Life time Member of Marine Biological Association of India, Kochi.

Registered Pharmacist at Maharashtra State Pharmacy Council, Pharmacy Council of India, Mumbai.