

Academic year 2018-19

1. H Phattepur, **B S Gowrisankar**, G Nagaraju ., Synthesis of gadolinium-doped TiO₂ thin films by sol-gel spin coating technique and its application in degradation of rhodamine-B. Indian Chemical Engineer, 2018, 1-15
2. TPK Murthy, **B S Gowrisankar**, MNC Prabha, M Kruthi., Studies on batch adsorptive removal of malachite green from synthetic wastewater using acid treated coffee husk: Equilibrium, kinetics and thermodynamic studies. Microchemical Journal, 2019, 146, 192-201.
3. C Pindi, VR Chirasani, MH Rahman, M Ahsan, **PD Revanasiddappa**., Breaking the "unbreakable" ZIKA virus envelope., bioRxiv, 345884
4. P Chinmai, VR Chirasani, MH Rahman, M Ahsan, **PD Revanasiddappa**., How Zika Sustains High Temperatures: Insights from Atomic Simulations. Biophysical Journal 114 (3), 337a.
5. **P D Revanasiddappa**, R Sankar, S Senapati., Role of the Bound Phospholipids in the Structural Stability of Cholestryl Ester Transfer Protein. The Journal of Physical Chemistry B 122 (15), 4239-4248.
6. P Mol, U Kannegundla, G Dey, L Gopalakrishnan, M Dammalli, M Kumar., Bovine Milk Comparative Proteome Analysis from Early, Mid, and Late Lactation in the Cattle Breed, Malnad Gidda (Bos indicus)., Omics: a journal of integrative biology 22 (3), 223-235.
7. K M Kumar, M Ramakrishnan, P Chakraborty, **Chandramohan V.**, Docking and Dynamic Simulation Analysis of P-glycoprotein pumps-Responsible for Chemotherapeutic Resistance post-treatment with Urea and β-mercaptoethanol Journal of Applied Biological Sciences 12 (1), 26-35.

Academic year 2017-18

8. Nandeesh, R., Vijayakumar, S., Munnolli, A., Alreddy, A., Veerapur, V.P., **Chandramohan, V.** and Manjunatha, E., 2018. Bioactive phenolic fraction of Citrus maxima abate lipopolysaccharide-induced sickness behaviour and anorexia in mice: In-silico molecular docking and dynamic studies of biomarkers against NF-κB. *Biomedicine & Pharmacotherapy*, 108, pp.1535-1545. **Index : Scopus, h-Index : 77, Impact Factor: (3.46)**
9. Uma K, H.S. Lalithamba, **Chandramohan V**, Lingaraju K., A Facile Synthesis of Hydroxamic Acids of Nα -Protected Amino Acids Employing BDMS, A Study of Their Molecular Docking And Their Antibacterial Activities, *Organic Preparations and Procedures International*, (Accepted), **Index : Scopus, h-Index : 43, Impact Factor: (1.59)**
10. Raghavendra, H.S. Lalithamba*, **Chandramohan V.**, Bromodimethylsulfonium bromide: A novel reagent for the one-pot synthesis of potent *N*^ε-ureido peptides and study of molecular docking and antibacterial activities. *Scientia Iranica*. (Accepted), **Index : Scopus, h-Index : 34, Impact Factor: (1.025)**

11. Lalithamba, H.S., Raghavendra, M., Uma, K., Yatish, K.V., **Mousumi, D.** and Nagendra, G., 2018. Capsicum annuum fruit extract: A novel reducing agent for the green synthesis of ZnO nanoparticles and their multifunctional applications. *Acta Chimica Slovenica*. **Index : Scopus, h-Index : 39, Impact Factor: (0.590)**
12. Mol, P., Kannegundla, U., Dey, G., Gopalakrishnan, L., Dammalli, M., Kumar, M., Patil, A.H., Basavaraju, M., Rao, A., Ramesha, K.P. and Prasad, T.S.K., 2018. Bovine Milk Comparative Proteome Analysis from Early, Mid, and Late Lactation in the Cattle Breed, Malnad Gidda (*Bos indicus*). *Omics: a journal of integrative biology*, 22(3), pp.223-235. **Index : Scopus, h-Index : 50, Impact Factor: (2.370)**
13. Dammalli, M., Dey, G., Kumar, M., Madugundu, A.K., Gopalakrishnan, L., Gowrishankar, B.S., Mahadevan, A., Shankar, S.K. and Prasad, T.S.K., 2018. Proteomics of the Human Olfactory Tract. *Omics: a journal of integrative biology*, 22(1), pp.77-87. **Index : Scopus, h-Index : 50, Impact Factor: (2.370)**
14. Anupama, C., Kaphle, A. and Nagaraju, G., 2018. Aegle marmelos assisted facile combustion synthesis of multifunctional ZnO nanoparticles: study of their photoluminescence, photo catalytic and antimicrobial activities. *Journal of Materials Science: Materials in Electronics*, 29(5), pp.4238-4249. **Index : Scopus, h-Index : 61, Impact Factor: (2.019).**
15. **Kaphle, A., Navya, P.N., Umapathi, A. and Daima, H.K.,** 2018. Nanomaterials for agriculture, food and environment: applications, toxicity and regulation. *Environmental chemistry letters*, pp.1-16. **Index : Scopus, h-Index : 46, Impact Factor : (3.594)**

Academic year 2016-17

1. **Ugru, M.M., Sheshadri, S., Jain, D., Madhyastha, H., Madhyastha, R., Maruyama, M., Navya, P.N. and Daima, H.K.,** 2018. Insight into the composition and surface corona reliant biological behaviour of quercetin engineered nanoparticles. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 548, pp.1-9. **Index : Scopus, h-Index : 140, Impact Factor : (2.95)**
2. Nagaraju, G., Prashanth, S.A., Shastri, M., Yathish, K.V., Anupama, C. and Rangappa, D., 2017. Electrochemical heavy metal detection, photocatalytic, photoluminescence, biodiesel production and antibacterial activities of Ag-ZnO nanomaterial. *Materials Research Bulletin*, 94, pp.54-63. **Index : Scopus, h-Index : 92, Impact Factor : (2.4)**
3. Nagaraju, G., Nagabhushana, H., Suresh, D., Anupama, C., Raghu, G.K. and Sharma, S.C., 2017. Vitis labrusca skin extract assisted green synthesis of ZnO super structures for multifunctional applications. *Ceramics International*, 43(15), pp.11656-11667. **Index : Scopus, h-Index : 82, Impact Factor : (2.9)**
4. Bagali, S.S., Gowrishankar, B.S. and Roy, A.S., 2017. Optimization, Kinetics, and Equilibrium Studies on the Removal of Lead (II) from an Aqueous Solution Using Banana Pseudostem as an Adsorbent. *Engineering*, 3(3), pp.409-415. **Index : Scopus, h-Index : 8, Impact Factor : (2.6)**
5. Kumar, H., Chandramohan, V., Simon, S.M., Yadav, R. and Kumar, S., 2018. Big Data Analysis Techniques for Visualization of Genomics in Medicinal Plants. In *Handbook of Research on Big Data Storage and Visualization Techniques* (pp. 749-781). IGI Global. **(Book Chapter)**

6. Dammalli, M., Dey, G., Madugundu, A.K., Kumar, M., Rodrigues, B., Gowda, H., Siddaiah, B.G., Mahadevan, A., Shankar, S.K. and Prasad, T.S.K., 2017. Proteomic analysis of the human olfactory bulb. *Omics: a journal of integrative biology*, 21(8), pp.440-453. **Index : Scopus, h-Index : 50, Impact Factor: (2.370)**
7. Gangadharapp, B.S., Dammalli, M., Rajashekharappa, S., Pandurangapp, K.M.T. and Siddaiah, G.B., 2017. Reverse micelles as a bioseparation tool for enzymes. *Journal of Proteins & Proteomics*, 8(2). **Index : Google Scholar, h-Index : 0, (Cover page)**
8. Monnappa, K.S., Firdose, N., Shree, G.M., Nath, K., Navya, P.N. and Daima, H.K., 2017. Influence of amino acid corona, metallic core and surface functionalisation of nanoparticles on their in-vitro biological behaviour. *International Journal of Nanotechnology*, 14(9-11), pp.816-832. **Index : Scopus, h-Index : 31, Impact Factor: (0.5)**
9. Dammalli, M., Murthy, K.R., Pinto, S.M., Murthy, K.B., Nirujogi, R.S., Madugundu, A.K., Dey, G., Nair, B., Gowda, H. and Keshava Prasad, T.S., 2017. Toward Postgenomics Ophthalmology: A Proteomic Map of the Human Choroid-Retinal Pigment Epithelium Tissue. *Omics: a journal of integrative biology*, 21(2), pp.114-122. **Index : Scopus, h-Index : 50, Impact Factor: (2.370)**
10. Prasad, T. S. K., Mohanty, A. K., Kumar, M., Sreenivasamurthy, S. K., Dey, G., Nirujogi, R. S., Pinto, S. M., Madugundu, A. K., Patil, A. H., Advani, J., Manda, S. S., Gupta, M. K., Dwivedi, S. B., Kelkar, D. S., Hall, B., Jiang, X., Peery, A., Rajagopalan, P., Yelamanchi, S. D., Solanki, H. S., Raja, R., Sathe, G. J., Chavan, S. N., Verma, R., Patel, K. M., Jain, A. P., Syed, N., Datta, K. K., Khan, A. A., **Dammalli, M.**, Jayaram, S., Radhakrishnan, A., Mitchell, C. J., Na, C. H., Kumar, N., Sinnis, P., Sharakhov, I. V., Wang, C., Gowda, H., Tu, Z., Kumar, A., and Pandey, A. (2017). Integrating transcriptomic and proteomic data for accurate assembly and annotation of genomes. *Genome Res.* 2017 Jan; 27(1):133-144. (PMID: 28003436). **Index : Scopus, h-Index : 258, Impact Factor: (11.9)**
11. **Kaphle, A., Navya, P.N.**, Umapathi, A., Chopra, M. and Daima, H.K., 2017. Nanomaterial impact, toxicity and regulation in agriculture, food and environment. In *Nanoscience in Food and Agriculture 5* (pp. 205-242). Springer, Cham. **(Book Chapter)**
12. Kaphle, A., Nagaraju, N. and Daima, H.K., 2018. Contemporary Developments in Nanobiotechnology: Applications, Toxicity, Sustainability, and Future Perspective. In *Nanobiotechnology* (pp. 1-34). CRC Press. **(Book Chapter)**
13. Yoganarasimha, B., **Chandramohan, V.**, Murthy, T. P. K., **Gangadharappa, B. S.**, Siddaiah, G. B., & Hanumanthappa, M. (2017). Prediction of deleterious single nucleotide polymorphisms and their effect on the sequence and structure of the human CCND1 gene. *Journal of Taibah University Medical Sciences*, 12(3), 221-228. **Index : Scopus, h-Index : 9**
14. Uma, K., Lalithamba, H. S., Raghavendra, M., **Chandramohan, V.**, & Anupama, C. (2016). Synthesis of Na-protected aminoacid/peptide Weinreb amides employing N, N'-carbonyldiimidazole as activating agent; studies on docking and antibacterial activities. *ARKIVOC*, 4, 339-351. **Index : Scopus, h-Index : 51, Impact Factor : (1.6)**
15. Murthy, K.R., **Dammalli, M.**, Pinto, S.M., Murthy, K.B., Nirujogi, R.S., Madugundu, A.K., Dey, G., Subbannayya, Y., Mishra, U.K., Nair, B. and Gowda, H., 2016. A comprehensive proteomics analysis of the human iris tissue: Ready to embrace postgenomics precision medicine in ophthalmology?. *Omics: a journal of integrative biology*, 20(9), pp.510-519. **Index : Scopus, h-Index : 50, Impact Factor: (2.370)**

16. H. Raja Naika, S. Bhavana, Jaime A. Teixeira Da Silva, K. Lingaraju, **Chandramohan, V**, V. Krishna. In silico and in vivo wound healing studies of ursolic acid isolated from Clematis gouriana against GSK-3 beta. *Nusantara bioscience*, (2016) 8 (2), 232-244. **Index : Web of Science , h-Index : 0**.
17. S. Sreenivasa , Shivaraja.G , **Chandramohan, V** , Shwetha S.N , Aliyaarif and Guruprasad.K.S. (2016). Synthesis, Characterization, Antibacterial and Docking Study of Sulfonamide Derivatives *Journal of Applicable Chemistry*. 5 (5):1089-1096. **Index : Google Scholar , h-Index : 0**
18. Poornima G. Hiremath, **Navya P.N.**, **Chandramohan, V**, Thomas Theodore. Isolation, screening, and identification of fungal organisms for biosorption of fluoride: Kinetic study and statistical optimization of biosorption parameters. *Journal of Biochemical Technology*. (2016) 7(1): 1069-1077. **Index : Scopus, h-Index : 12**.
19. A book entitled “Synthesis, characterization and application of gold nanoparticles: A brief introduction on synthesis of gold nanoparticles using Actinobacteria; 2016. In Lambert Academic Publishing; Manikprabhu Narsing Rao, Wen-Jun Li., **Mousumi Das, (Book)**

Academic year 2015-16

1. Manikprabhu, D., Cheng, J., Chen, W., Sunkara, A.K., Mane, S.B., Kumar, R., Hozzein, W.N., Duan, Y.Q. and Li, W.J., 2016. Sunlight mediated synthesis of silver nanoparticles by a novel actinobacterium (*Sinomonas mesophila* MPKL 26) and its antimicrobial activity against multi drug resistant *Staphylococcus aureus*. *Journal of Photochemistry and Photobiology B: Biology*, 158, pp.202-205. **Index : Scopus, h-Index : 96, Impact Factor: (3.16)**
2. Yatish, K.V., Lalithamba, H.S., Suresh, R., Arun, S.B. and Kumar, P.V., 2016. Optimization of scum oil biodiesel production by using response surface methodology. *Process Safety and Environmental Protection*, 102, pp.667-672. **Index : Scopus, h-Index : 52, Impact Factor: (3.44)**
3. Manigandan, K., Manimaran, D., Jayaraj, R. L., Elangovan, N., Dhivya, V., & **Kaphle, A.** (2015). Taxifolin curbs NF-κB-mediated Wnt/β-catenin signaling via up-regulating Nrf2 pathway in experimental colon carcinogenesis. *Biochimie*, 119, 103-112. **Index : Scopus, h-Index : 116, Impact Factor: (2.81)**
4. **Chandramohan, V.**, Kaphle, A., Chekuri, M., Gangarudraiah, S., & **B S Gowrishankar**. (2015). Evaluating Andrographolide as a Potent Inhibitor of NS3-4A Protease and Its Drug-Resistant Mutants Using In Silico Approaches. *Advances in virology*, 2015. **Index : Scopus, h-Index : 18**.
5. Mamatha Chekuri, Sindhu Gangadharaiah, Latha Bharadwaj Roopavatharam, Anubhav Kaphle and **Anupama C** (2015). Green synthesis of stable Silver nanoparticles using flower extracts of Rosa Damascena: Characterization, Antimicrobial and Antioxidant activity study. *European Chemical Bulletin*, 4(10-12), pp.454-459. **Index : Google Scholar, h-Index : 0**
6. Chandramohan, V., Nagaraju, N., Rathod, S., Kaphle, A. and Muddapur, U., 2015. Identification of deleterious SNPs and their effects on structural level in CHRNA3 gene. *Biochemical genetics*, 53(7-8), pp.159-168. **Index : Scopus, h-Index : 36, Impact Factor: (1.92)**
7. Ahire, V., **Das, D.**, Mishra, K. P., Kulkarni, G. R., & Ackland, L. (2016). Inhibition of the p53 Y220C Mutant by 1-Hydroxy-2-Methylanthraquinone Derivatives: A Novel

- Strategy for Cancer Therapy. *Journal of Environmental Pathology, Toxicology and Oncology*, 35(4). (**Impact Factor – 1.9**)
8. Dubey, B. Anand, R. Badhwar, G. Bagler, **Navya PN, H. K. Daima**, K. Kar. Tyrosine- and tryptophan-coated gold nanoparticles inhibit amyloid aggregation of insulin. *Amino acids*, 2015, 47 (12), 2551-2560 (Impact Factor – 3.196) (**Citations≥05**)
 9. Ritika Mathur, **N. Navya**, K. Basavaraj, Pushpa S. Murthy, Bioprocess of robusta cherry coffee with polyphenol oxidase and quality enhancement, *European Food Research and Technology*, 2015, 240: 319–325, (Impact Factor -1.433)
 10. Shankar, S. K. Soni, **H. K. Daima**, PR. Selvakannan, J. M. Khire, S. K. Bhargava, V. Bansal. Charge-switchable gold nanoparticles for enhanced enzymatic thermostability. *Physical Chemistry Chemical Physics*, 17, 2015, pp 21517-21524. Publisher: Royal Society of Chemistry, (**IF-4.123, Citations≥4**).

Academic year 2014-15

1. **K. Daima**, V. Bansal. Chapter-10: Influence of physico-chemical properties of nanomaterials on their antibacterial applications, *Nanotechnology in Diagnosis, Treatment and Prophylaxis of Infectious Diseases*, 2015, pp. 151-166. Book published at Boston by **Academic Press/Elsevier**, edited by Mahendra Rai and Kateryna Kon, (**Invited, Citations≥3**).
2. Venkat M Shinde, **Mousumi Das** and Jai Shanker Pillai H P.2015. Diversity and Distribution of VAM Fungi in soils of Kalaburagi District, Karnataka. *International Journal of Advanced Research in Biological Sciences*. 2(8):24–28.
3. Bhagya HM, Partheepan Rameshwaran, **Navya PN**, Pushpa S Murthy. In-vitro mycological activity of essential oil from Zingiber zerumbet *Journal of Essential Oil Research*, 2015, 28 (1), 1-8, (Impact Factor – 0.871)
4. Dubey, B. Anand, R. Badhwar, G. Bagler, **Navya PN, H. K. Daima**, K. Kar. Tyrosine- and tryptophan-coated gold nanoparticles inhibit amyloid aggregation of insulin. *Amino acids*, 2015, 47 (12), 2551-2560 Publisher: Springer, ISSN: 1438-2199, DOI: DOI: 10.1007/s00726-015-2046-6, Indexing and Abstracting: Scopus, Science citation index, Google Scholar (**Impact Factor – 3.196**) (**Citations≥03**)
5. Raja Naika H, Krishna V, Lingaraju K, **Chandramohan**, **V. Manjunath Dammalli**, **Navya PN**, Molecular docking, dynamic studies of bioactive compounds from *Naraveliazeylanica* (L.) DC. against GSK-3 beta protein, *Journal of Taibah University for Science* 9, no. 1 (2015): 41- 49. Publisher: Elsevier, DOI: 10.1016/j.jtusci.2014.04.009, ISSN: 0006-2928, Indexing and Abstracting: Google Scholar (**Citations≥02**)
6. K. Sharma, R. Ramanathan, P. Weerathunge, M. Mohammad Taheri, **H. K. Daima**, R. Shukla, V. Bansal. Aptamer-mediated ‘turn-off/turn-on’ nanozyme activity of gold nanoparticles for kanamycin detection. *Chemical Communications*, 50, 2014, pp. 15856-15859. Publisher: Royal Society of Chemistry, (**Back Cover, IF-6.319, Citations≥37**).

Academic year 2013-14

1. Venkat M Shinde, **Mousumi Das** and Jai ShankerPillai H P.2015, Enhanced Production of Secondary Metabolites and Synthesis of New Phenolic Compounds Due to VAM Fungus Inoculation in *Ocimum sanctum*, International Journal of Advanced Research in Biological Sciences. 2(10):170–175. ISSN Number : 2348-8369.
2. Venkat M Shinde, **Mousumi Das** and Jai ShankerPillai H P.2015. Diversity and Distribution of VAM Fungi in soils of Kalaburagi District, Karnataka. International Journal of Advanced Research in Biological Sciences. 2(8):24–28.ISSN Number : 2348-8369
3. **Dammalli Manjunath***, **Chandramohan, V**, Mahantesh Iranna Biradar, **Navya Nagaraju** & BhavyaSomalapuraGangadharappa “In silico analysis and identification of novel inhibitor for new H1N1 swine influenza virus.” *Asian Pacific Journal of Tropical Disease* 4 (2014): S635-S640. Publisher: Elsevier, DOI: 10.1016/S2222-1808(14)60694-0, ISSN: 2222-1808, Indexing and Abstracting: Scopus, Google Scholar. (*Citations≥2*).
4. **Chandramohan, V***, **Manjunath Dammalli**, MahanteshBiradar, Richard L. Jayaraj, PareshNathKundu& B S Gowrishankar.”Structure prediction and active site analysis of new h1n1 neuraminidase: target for antiviral drug design.” *Chemical Science Transactions*, (2014), 3(4), 1460-1468. Publisher: WWW Publications (P) – INDIA, DOI: 10.7598/cst2014.715, ISSN: 2278-3318, Indexing and Abstracting: Google Scholar.
5. Jagatheesh K, **Chandramohan, V** & Elangovan Namasivayam. “In Silico Evaluation of Anti-Cancer Peptides on Brcal Targeting”, Asian Journal of Biological Sciences, (2014), 7(4), 178-182. Publisher: Knowledgia Review, DOI: 110.3923/ajbs.2014.178.182 , ISSN: 1996-3351, Indexing and Abstracting : Google Scholar.

Academic year 2012-13

1. Hamsa, N. S., Vandana P. Nair, **Chandramohan, V**, and Seema J. Patel.(2013). “Pharmacophore elucidation and docking studies on anti-inflammatory compounds of medicinal plants for ulcerative colitis.” *Asian J Pharm Clin Res*, 6(3), 56-61. (*Citations≥5*).
2. Nair Vandana P, N S Hamsa, **Chandramohan, V**, Patel Seema. (2013). “In-silico docking studies for the comparative analysis of natural and synthetic compounds against leptospira interrogans”, *International Journal of Drug Development & Research.*, 5(3), P. 361-370.
3. Richard.L.Jayaraj, **Chandramohan, V**, **Manjunath Dammalli**, John Ravindar D, Manigandan K, Pavan Kumar Padarthi, Namasivayam Elangovan. (2013). “Computational Strategy for Identifying Inhibitors of AlphaSynuclein Aggregation In Parkinson Disease”, *An International Journal of Advances in Pharmaceutical Sciences*, 4(5), P. 1029-1045.
4. Kavyashree U, Thirveni T G, **Chandramohan, V**. (2013). “In Silico Novel Synthetic Drug Design and Pharmcophore Analysis for Campylobacteriosis”, *International Journal of Pharmacy Research and Technology*, 3(3), P. 19-24.
5. Makari Hanumanthappa K, Palaniswamy M, Angayarkanni J, Manjunath Dammalli, **Chandramohan, V**. (2013). “16S rRNA partial sequence analysis of Ralstoniasolanacearum isolated from wilting ginger (*Zingiber officinale*) and potato

- (Solanumtuberosum) crops in Hassan District, Karnataka”, *International Journal Of Scientific Research*, 2 (11), P. 2277 – 8179.
6. Richard L Jayaraj, **Chandramohan, V**, Elangovan Namasivayam. (2013). Nanomedicine for Parkinson disease: Current status and future perspective. *Int. J. Pharm. Bio. Sci*, 4, 692. (**Citations≥2**)
 7. Bagali, S. S., Mural, P. K. S., & **Gowrishankar, B. S.** (2013). Optimization of single stage centrifugal compressor driven by a turbine with anti-surge. *Journal of Engineering Studies and Research*, 19(3), 7.
 8. Ghosh, R., **Gowrishankar, B. S.**, & Bagali, S. S. (2013). Biosorption of chromium (vi) using Aspergillus niger. *International Journal of Bioassays*, 2(06), 880-882.
 9. Padarthy Pavan Kumar, **Chandramohan, V**, and Richard L Jayaraj. Jagatheesh K and Elangovan Namasivayam. (2012). “Chalcones as effective Antimicrobials—a comparative in silico approach” *International Journal of Chemical and Pharmaceutical Sciences*. 3, no. 4, 67-74. (**Citations≥3**)

Academic year 2012-13

1. **Gowrishankar, B. S.**, & Prasad, R. K. (2012). Optimization of Media to Improve Macrolide Antibiotic Production while Minimizing Impurities. *Research & Reviews: A Journal of Biotechnology*, 2(1).
2. Vishwanatha, H. N., Babu, P. N., **Gowrishankar, B. S.**, & Shridhar, S. B. (2012). Antimicrobial activity of zerumbone from zingiber zurumbet against staphylococcus epidermidis and aspergillus spp. (**Citations≥1**).

Academic year 2011-12

1. Thippeswamy, B. S., Mahendran, S., **Biradar, M. I.**, Raj, P., Srivastava, K., Badami, S., & Veerapur, V. P. (2011). Protective effect of embelin against acetic acid induced ulcerative colitis in rats. *European journal of pharmacology*, 654(1), 100-105.