**Research Publications of Faculty**

1. **Author – Dr. Mradu Gupta**
2. **Mradu Gupta,** Suhrita Paul, Nandita Karmakar, Saswati Tarafdar and Saikat Chowdhury, **2016,** Free Radical Scavenging Activity of *Sida cordifolia* Linn. Extracts Measured by Hydrogen Peroxide, DPPH, ABTS and Ferric Reducing Antioxidant Methods**, “International Journal of Current Research in Biosciences and Plant Biology (IJCRBP) ,** Volume-3, Issue-8 , pp-114-122***.***
3. **Mradu Gupta,** Saumya Kanti Sasmal, Nandita Karmakar, Saswati Sasmal and Saikat Chowdhury**,** Experimental evaluation of antioxidant action of aqueous extract of Glycyrrhiza glabra linn. Roots in potassium dichromate induced oxidative stress by assessment of reactive oxygen species levels",**International Journal of Pharmacognosy and Phytochemical Research (IJPPR),** 2016; 8(8); 1325-1333
4. **M. Gupta\*,** N. Karmakar, S. Sasmal, S. Chowdhury and S. Biswas, 2016, In Vitro Antioxidant Activity of Aqueous and Alcoholic Extracts of Polyherbal Rejuvenator Formulation Assessed in Free Radical Scavenging Assays**, International Journal of Green and Herbal Chemistry,** IJGHC, June 2016 – August 2016; Sec. B; Vol.5, No.3, 230-244.
5. **Mradu Gupta**, Suhrita Paul, Nandita Karmakar, Saswati Sasmal and Saikat Chowdhury, 2016, Evaluation of antioxidant action of polyherbal formulation in oxidative stress induced animals by assessment of Reactive Oxygen Species level- an in vivo study, **International Journal of Pharmaceutical Sciences Review and Research, 40(1), Sept-Oct 2016, 41:218-227.**
6. **Mradu Gupta1\*,** Saikat Chowdhury1 and Sukumar Manna, 2016, In vitro Impact Assessment of Aqueous Extract of Sida cordifolia Linn. upon Rat Spermatozoa Parameters **Asian Journal of Medicine and Health** 1(2): 1-10, 2016, Article no. AJMAH.29211
7. **Mradu Gupta\*,** Nandita Karmakar, Saswati Sasmal, Saikat Chowdhury and Suman Biswas, 2016, Free radical scavenging activity of aqueous and alcoholic extracts of *Glycyrrhiza glabra* Linn. measured by ferric reducing antioxidant power (FRAP), ABTS bleaching assay (αTEAC), DPPH assay and peroxyl radical antioxidant assay, **International Journal of Pharmacology and Toxicology,** [IJPT] 4(2):235-240.
8. **Mradu Gupta**\*, 2016, A review of pharmacological properties, pharmacognosy and therapeutic actions of *Putranjiva roxburghii* Wall. (Putranjiva), **International Journal of Herbal Medicine, 4(6); 104-108.**
9. Mousumi Chakraborty, Sourav Bhattacharya, Madhura Bose, Saumya Kanti Sasmal, **Mradu Gupta** & Roshnara Mishra,2017, Anti-inflammatory activity of cyclo-oxygenase2 inhibitory anionic protein fraction from *Lamellidens marginalis* (Lamarck), **Indian Journal of Experimental Biology, Vol.55, February 2017 PP**
10. **Mradu Gupta1\*,** Suhrita Paul, Nandita Karmakar, Saswati Tarafdarand Saikat Chowdhury, 2017, In vivo Antioxidant Activity of *Sida cordifolia* Linn. in k2cr2o7 Induced Oxidative Stress by Measurement of Reactive Oxygen Species Levels in Rats, **Journal of complementary and Alternative Medical Research**, **Vol. 2(2):1-10.**
11. **MraduGupta1\*,** Nandita Karmakar, Saswati Tarafdar ,2017, In Vitro Antioxidant Activity of Aqueous and Alcoholic Extracts of Polyherbal Formulation Consisting of Ficus glomerata Roxb. and Symplocos racemosa Roxb. Stem Bark Assessed in Free Radical Scavenging Assays**, International Journal of Pharmacognosy and Phytochemical Research 2017; 9(2); 181-189**
12. **Mradu Gupta\*,** Nandita Karmakar, Saswati Sasmal, Pharmacognostic and Chemical Standardization of Vaginal Herbal Formulation Extracts Using Spectroscopy (UV-VIS & FTIR) and Chromatography (HPTLC, HPLC & GC-MS) Methods, **International journal of Pharmacy and Pharmaceutical Research, Human journals, 2017; Vol. 9 (2): 21-51.**
13. **Mradu Gupta**\*1, Simit Kumar2, Benoy Brata Bhowmik3, Nandita Karmakar1, Saswati Sasmal1, Formulation, development and standardization of an Ayurvedic muco-adhesive extended release vaginal tablet, **International Journal of Pharmacognosy, 2018; Vol. 5(1):15-25**
14. **Mradu Gupta\***1, Benoy Brata Bhowmik2, Nandita Karmakar1, Saswati Sasmal1, Design and Standardization of Novel Muco-Adhesive Vaginal Herbal Tablet for Treatment of Leucorrhea Using In-Vitro & In-Situ Methods, **International Journal of Pharmaceutical Sciences Review and Research, 45(2), July - August 2017; Article No. 35, Pages: 187-197**
15. **Mradu Gupta\***, Nandita Karmakar, Saswati Sasmal, Assessment of oral toxicity and vaginal irritation test of novel antimicrobial mucoadhesive herbal vaginal tablet for the treatment of vaginitis, **International Journal of Green Pharmacy**, Jan-Mar 2018, 12 (1): 15-24.
16. |Anwesha Manda \*, **Mradu Gupta** and Chittaranjan Maity, Comparative Pharmacognosy and Phytochemical Analysis of Medicinal Plants with Antidiabetic Activity (Pterocarpus Marsupium Roxb., Azadirachta Indica A. Juss., Trichosanthes Dioica Roxb., Syzygium Cumini Linn. and Momordica Charantia Linn.) **International Journal of Phamacognosy,** August 2018, Vol. 5(8): Vol. 5, Issue 8, page 475-487
17. **Mradu Gupta**, Simit Kumar, Benoy Brata Bhowmik, Nandita Karmakar and Saswati Sasmal. 2019. Comparative Antimicrobial Efficacy Evaluation of Aqueous and Alcoholic Extracts of Ayurvedic Vaginal Formulation for Treatment of Vaginitis. **International Journal of Current Microbiology and Applied Sciences,** 8(04): 635-645.
18. **Mradu Gupta**, Riya Dutta, Sushmita Majumdar, and Saswati Sasmal, “Evaluation of Safety Parameters of Ayurvedic Antimicrobial Formulation for Treatment of Vaginitis during Acute and Chronic Oral Toxicity and Vaginal Irritation Studies in Animal Models,”2019, ***International Research Journal of Pharmacy and Medical Sciences (IRJPMS)*,** Volume 2, Issue 4, pp. 25-34, 2019.
19. **Mradu Gupta**, Riya Dutta, and Saswati Sasmal, **Accepted-** “Standardization of the Hydro-Alcoholic Extract of Ayurvedic Vaginal Formulation (NA) by using Chromatography (HPTLC, HPLC) and Spectroscopy (UV-VIS &FTIR &GC-MS) Methods**’**Acknowledgement no: **IJPSR/RA-12081/04-19** has been recommended for publication in upcoming **Vol. 11, Issue 1; January 2020** Issue of **International Journal of Pharmaceutical Sciences and Research (IJPSR).**
20. **Mradu Gupta**, Saswati Sasmal, Riya Dutta, and Sushmita Majumdar, Formulation and standardization of the Ayurvedic muco-adhesive extended release vaginal tablet (NA) using invitro & in-situ methods for the treatment of leucorrhea, 2019, IJGHC, **International Journal of Green and Herbal Chemistry** September 2019 –November 2019; Sec. B; Vol.8, No.4, 424-445. DOI: 10.24214/IJGHC/GC/8/4/42445
21. **The research publications of other faculties will be uploaded soon.**