

Papers Published in 2023

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1. Kothari P, Dhaniya G, Sardar A, Shradha S, Aboli G, Rai D, Chutani K, Hingorani L, **Trivedi R (2023)** A glucuronated flavone TMMG spatially targets chondrocytes to alleviate cartilage degeneration through negative regulation of IL-1 β . **Biomedicine and Pharmacotherapy**





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2. Kulkarni C, Sharma S, Porwal K, Rajput S, Sadhukhan S, Singh V, Singh A, Baranwal S, Kumar S, Grime A, Pandey AR, Singh SP, Sashidhara KV, Kumar N, Hingorani L, **Chattopadhyay N (2023)**. A standardized extract of *Coleus forskohlii* root protects rats from ovariectomy-induced loss of bone mass and strength, and impaired bone material by osteogenic and anti-resorptive mechanisms. **Front Endocrinol** (DOI: 10.3389/fendo.2023.1130003). **IF: 5.2**
3. Porwal K, Sharma S, Kumar S, Tomar MS, Sadhukhan S, Rajput S, Kulkarni C, Shrivastava A, Kumar N, **Chattopadhyay N (2023)**. Hormonal and non-hormonal oral contraceptives given long-term to pubertal rats differently affect bone mass, quality and metabolism. **Front Endocrinol** 17;14:1233613; doi: 10.3389/fendo.2023.1233613. eCollection 2023. **IF: 5.2**
4. Pal S, Sharma S, Porwal K, Tiwari MC, Khan YA, Kumar S, Kumar N, **Chattopadhyay N (2023)**. The role of osteogenic effect and vascular function in bone health in hypertensive rats: a study of anti-hypertensive and hemorheologic drugs. **Calcif Tissue Int** doi: doi: 10.1007/s00223-023-01170-4. **IF: 4.2**
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8. Chopra V, Thomas J, Kaushik S, Rajput S, Guha R, Mondal B, Naskar S, Mandal D, Chauhan G, **Chattopadhyay N**, Ghosh D (2023). Injectable bone cement reinforced with gold nanodots decorated rGO-hydroxyapatite nanocomposites, augment bone regeneration. **Small** DOI: 10.1002/sml.202204637. **IF: 13.3**
9. Singh P, Gollapalli K, Mangiola S, Schraner D, Yusuf MA, Chamoli M, Shi SL, Lopes Bastos B, Nair T, Riermeier A, Vayndorf EM, Wu JZ, Nilakhe A, Nguyen CQ, Muir M, Kiflezghi MG, Foulger A, Junker A, Devine J, Sharan K, Chinta SJ, Rajput S, Rane A, Baumert P, Schönfelder M, Iavarone F, di Lorenzo G, Kumari S, Gupta A, Sarkar R, Khyriem C, Chawla AS, Sharma A, Sarper N, **Chattopadhyay N**, Biswal BK, Settembre C, Nagarajan P, Targoff KL, Picard M, Gupta S, Velagapudi V, Papenfuss AT, Kaya A, Ferreira MG, Kennedy BK, Andersen JK, Lithgow GJ, Ali AM, Mukhopadhyay A, Palotie A, Kastenmüller G, Kaeberlein M, Wackerhage H, Pal B, Yadav VK (2023). Taurine deficiency as a driver of aging. **Science** doi: 10.1126/science. abn9257. **IF: 56.9**
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