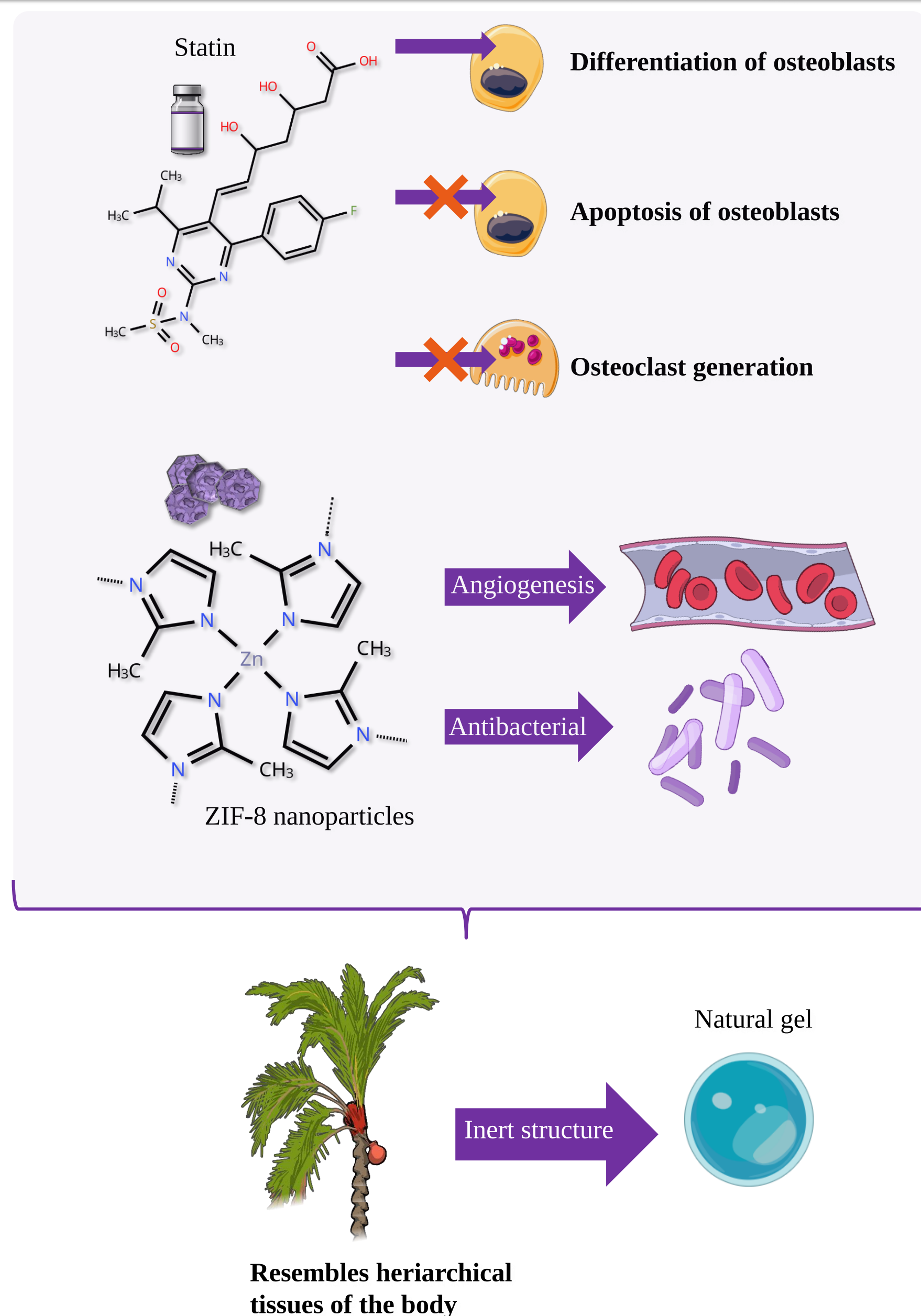


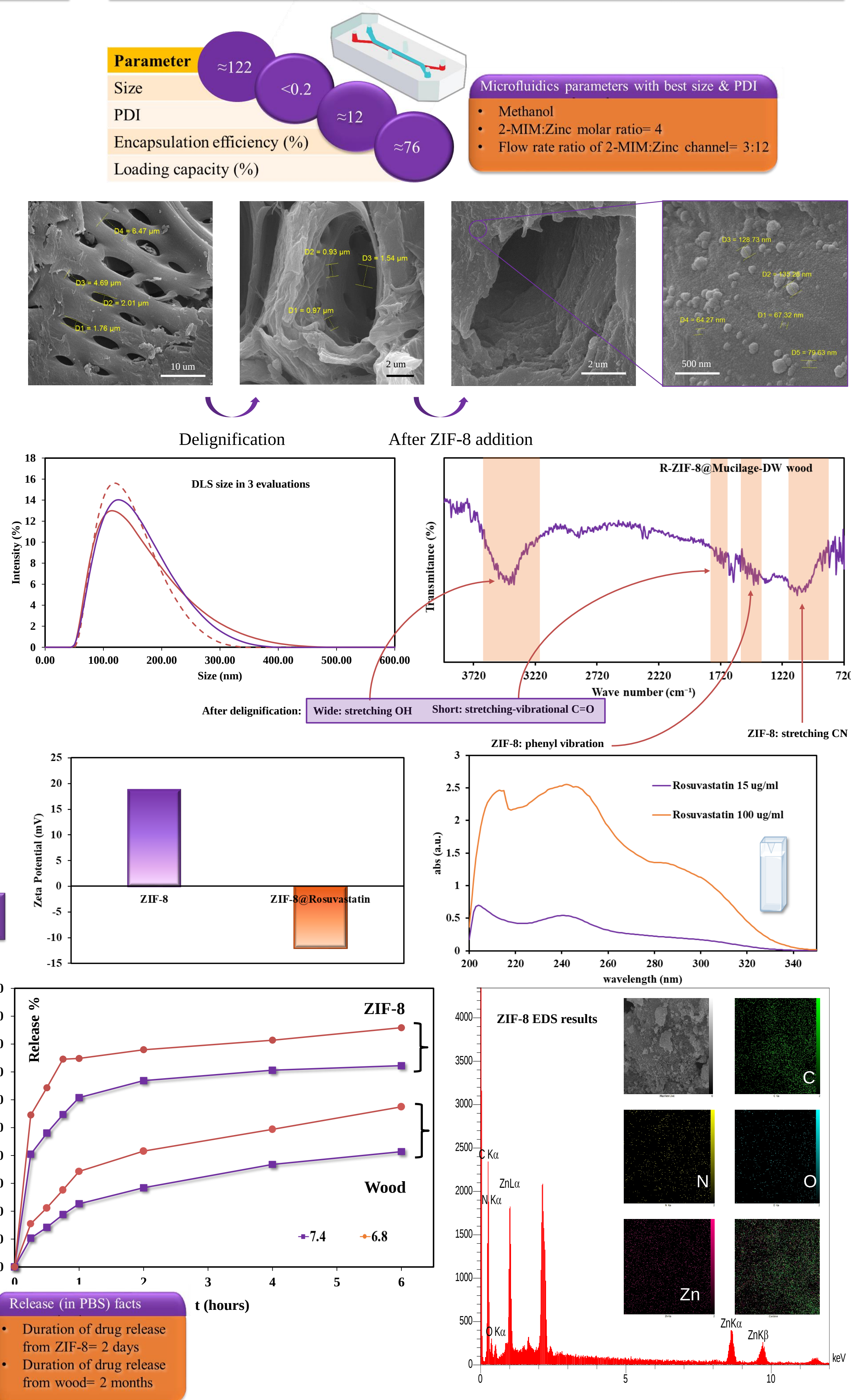
Microfluidics-based Synthesized ZIF-8 Nanoparticles Embedded Inside a Natural Scaffold for Sustained-Release of Cargo in Drug Delivery Purposes

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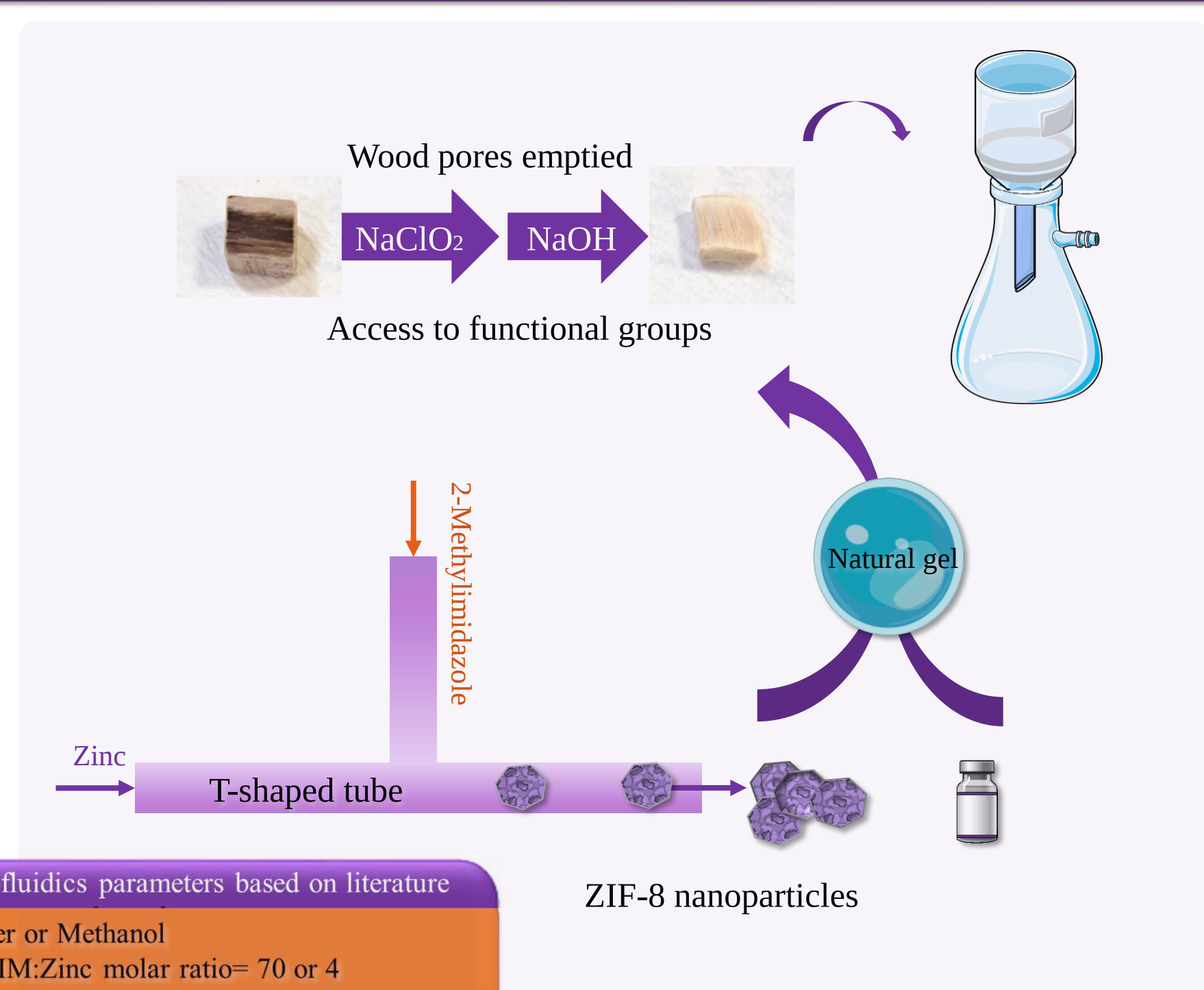
INTRODUCTION & AIM



RESULTS & DISCUSSION



METHOD



CONCLUSION

This study presents the construction and evaluation of a novel wood-based scaffold integrated with microfluidics-synthesized ZIF-8 nanoparticles aimed at promoting drug delivery aspects such as loading and release profile. The scaffold represents a promising strategy for tissue regeneration, a field that may benefit from slow and pH-triggered release for better outcomes..

FUTURE WORK / REFERENCES

Tang H, Yu Y, Zhan X, Chai Y, Zheng Y, Liu Y, Xia D, Lin H. Zeolite imidazolate framework-8 in bone regeneration: A systematic review. J Control Release. 2024 Jan;365:558-582. doi: 10.1016/j.jconrel.2023.11.049. Epub 2023 Dec 6. PMID: 38042375.