

## REFERENCES

- Ahmed E. M. (2015). Hydrogel: Preparation, characterization, and applications: A review. *Journal of advanced research*, 6(2), 105–121. <https://doi.org/10.1016/j.jare.2013.07.006>
- Alghuwainem, A., Alshareeda, A. T., & Alsowayan, B. (2019). Scaffold-Free 3-D Cell Sheet Technique Bridges the Gap between 2-D Cell Culture and Animal Models. *International journal of molecular sciences*, 20(19), 4926. <https://doi.org/10.3390/ijms20194926>
- Al-Tabakha, M. M., Khan, S. A., Ashames, A., Ullah, H., Ullah, K., Murtaza, G., & Hassan, N. (2021). Synthesis, Characterization and Safety Evaluation of Sericin-Based Hydrogels for Controlled Delivery of Acyclovir. *Pharmaceuticals*, 14(3), 234. <https://doi.org/10.3390/ph14030234>
- Alven, S., & Aderibigbe, B. A. (2020). Chitosan and Cellulose-Based Hydrogels for Wound Management. *International journal of molecular sciences*, 21(24), 9656. <https://doi.org/10.3390/ijms21249656>
- Antoni, D., Burckel, H., Josset, E., & Noel, G. (2015). Three-dimensional cell culture: a breakthrough in vivo. *International journal of molecular sciences*, 16(3), 5517–5527. <https://doi.org/10.3390/ijms16035517>
- Antony, Allwyn & thottiam Vasudevan, Ranganathan. (2012). Extraction of Pectin from Different Fruit Wastes due to the Quality Upgradation of Jellies Preparation—Review. *Open Access Scientific reports*. 1. 1- 3. [10.4172/scientificreports.550](https://doi.org/10.4172/scientificreports.550).
- Bainbridge P. (2013). Wound healing and the role of fibroblasts. *Journal of wound care*, 22(8), 407–412. <https://doi.org/10.12968/jowc.2013.22.8.407>
- Basit, A., Asghar, F., Sadaf, S., & Akhtar, M. W. (2018). Health improvement of human hair and their reshaping using recombinant keratin K31. *Biotechnology reports (Amsterdam, Netherlands)*, 20, e00288. <https://doi.org/10.1016/j.btre.2018.e00288>
- Bhardwaj, N., Sow, W. T., Devi, D., Ng, K. W., Mandal, B. B., & Cho, N.-J. (2015). Silk fibroin–keratin based 3D scaffolds as a dermal substitute for skin tissue engineering. *Integrative Biology*, 7(1), 53–63. [doi:10.1039/c4ib00208c](https://doi.org/10.1039/c4ib00208c)

- Bilici, C., Can, V., Nöchel, U., Behl, M., Lendlein, A., & Okay, O. (2016). Melt-Processable Shape-Memory Hydrogels with Self-Healing Ability of High Mechanical Strength. *Macromolecules*, 49(19), 7442–7449. doi:10.1021/acs.macromol.6b01539
- Catoira, M. C., Fusaro, L., Di Francesco, D., Ramella, M., & Boccafroschi, F. (2019). Overview of natural hydrogels for regenerative medicine applications. *Journal of materials science. Materials in medicine*, 30(10), 115. <https://doi.org/10.1007/s10856-019-6318-7>
- Chadda, R., & Robertson, J. L. (2016). Measuring Membrane Protein Dimerization Equilibrium in Lipid Bilayers by Single-Molecule Fluorescence Microscopy. *Single-Molecule Enzymology: Fluorescence-Based and High-Throughput Methods*, 53–82. <https://doi.org/10.1016/bs.mie.2016.08.025>
- Chai, Q., Jiao, Y., & Yu, X. (2017). Hydrogels for Biomedical Applications: Their Characteristics and the Mechanisms behind Them. *Gels (Basel, Switzerland)*, 3(1), 6. <https://doi.org/10.3390/gels3010006>
- Chaicharoenaudomrung, N., Kunhorn, P., & Noisa, P. (2019). Three-dimensional cell culture systems as an in vitro platform for cancer and stem cell modeling. *World journal of stem cells*, 11(12), 1065–1083. <https://doi.org/10.4252/wjsc.v11.i12.1065>
- Chatterjee, B., Amalina, N., Sengupta, P., & Mandal, U. K. (2017). Mucoadhesive polymers and their mode of action: A recent update. *Journal of Applied Pharmaceutical Science*, 7(5), 195-203
- Chen, X., Zhai, D., Wang, B., Hao, S., Song, J., & Peng, Z. (2020). Hair keratin promotes wound healing in rats with combined radiation-wound injury. *Journal of Materials Science: Materials in Medicine*, 31(3). doi:10.1007/s10856-020-06365-x
- Dhandayuthapani, B., Yoshida, Y., Maekawa, T., & Kumar, D. S. (2011). Polymeric scaffolds in tissue engineering application: a review. *International journal of polymer science*, 2011.
- Dick MK, Miao JH, Limaiem F. Histology, Fibroblast. [Updated 2020 Jul 3]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2021 Jan-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK541065/>

- Dobies, M., Kuśmia, S., & Jurga, S. (2005). <sup>1</sup>H NMR and Rheological Studies of the Calcium Induced Gelation Process in Aqueous Low Methoxyl Pectin Solutions. *Acta Physica Polonica A*, 108(1), 33–46. <https://doi.org/10.12693/aphyspola.108.33>
- Donato, R. K., & Mija, A. (2019). Keratin Associations with Synthetic, Biosynthetic and Natural Polymers: An Extensive Review. *Polymers*, 12(1), 32. doi:10.3390/polym12010032
- Duval, K., Grover, H., Han, L. H., Mou, Y., Pegoraro, A. F., Fredberg, J., & Chen, Z. (2017). Modeling Physiological Events in 2D vs. 3D Cell Culture. *Physiology (Bethesda, Md.)*, 32(4), 266–277. <https://doi.org/10.1152/physiol.00036.2016>
- Edmondson, R., Broglie, J. J., Adcock, A. F., & Yang, L. (2014). Three-dimensional cell culture systems and their applications in drug discovery and cell-based biosensors. *Assay and drug development technologies*, 12(4), 207–218. <https://doi.org/10.1089/adt.2014.573>
- El-Sherbiny, I. M., & Yacoub, M. H. (2013). Hydrogel scaffolds for tissue engineering: Progress and challenges. *Global cardiology science & practice*, 2013(3), 316–342. <https://doi.org/10.5339/gcsp.2013.38>
- Fang, Y., Al-Assaf, S., Phillips, G. O., Nishinari, K., Funami, T., & Williams, P. A. (2008). Binding behavior of calcium to polyuronates: Comparison of pectin with alginate. *Carbohydrate Polymers*, 72(2), 334–341. <https://doi.org/10.1016/j.carbpol.2007.08.021>
- Fatehullah, A., Tan, S. H., & Barker, N. (2016). Organoids as an in vitro model of human development and disease. *Nature cell biology*, 18(3), 246–254. <https://doi.org/10.1038/ncb3312>
- Feroz, S., Muhammad, N., Ranayake, J., & Dias, G. (2020). Keratin - Based materials for biomedical applications. *Bioactive materials*, 5(3), 496–509. <https://doi.org/10.1016/j.bioactmat.2020.04.007>
- Gao, J., Zhang, L., Wei, Y., Chen, T., Ji, X., Ye, K., Yu, J., Tang, B., Sun, X., & Hu, J. (2019). Human hair keratins promote the regeneration of peripheral nerves in a rat sciatic nerve crush model. *Journal of Materials Science: Materials in Medicine*, 30(7). <https://doi.org/10.1007/s10856-019-6283-173>.
- Gawkowska, D., Cybulska, J., & Zdunek, A. (2018). Structure-Related Gelling of Pectins and Linking

- Gawkowska, D., Cybulska, J., & Zdunek, A. (2018). Structure-Related Gelling of Pectins and Linking with Other Natural Compounds: A Review. *Polymers*, 10(7), 762. <https://doi.org/10.3390/polym10070762>
- Gentilini, R., Munarin, F., Bloise, N., Secchi, E., Visai, L., Tanzi, M. C., & Petrini, P. (2018). Polysaccharide-based hydrogels with tunable composition as 3D cell culture systems. *The International journal of artificial organs*, 41(4), 213–222. <https://doi.org/10.5301/ijao.5000667>
- Giobbe, G.G., Crowley, C., Luni, C. et al. Extracellular matrix hydrogel derived from decellularized tissues enables endodermal organoid culture. *Nat Commun* 10, 5658 (2019). <https://doi.org/10.1038/s41467-019-13605-4>
- Giuffrida, M. G., Mazzoli, R., & Pessione, E. (2018). Back to the past: deciphering cultural heritage secrets by protein identification. *Applied Microbiology and Biotechnology*, 102(13), 5445–5455. doi:10.1007/s00253-018-8963-z
- Greenwold, M. J., Bao, W., Jarvis, E. D., Hu, H., Li, C., Gilbert, M. T., Zhang, G., & Sawyer, R. H. (2014). Dynamic evolution of the alpha ( $\alpha$ ) and beta ( $\beta$ ) keratins has accompanied integument diversification and the adaptation of birds into novel lifestyles. *BMC evolutionary biology*, 14, 249. <https://doi.org/10.1186/s12862-014-0249-1>
- Hartrianti, P., Nguyen, L. T. H., Johanes, J., Chou, S. M., Zhu, P., Tan, N. S., ... Ng, K. W. (2016). Fabrication and characterization of a novel crosslinked human keratin-alginate sponge. *Journal of Tissue Engineering and Regenerative Medicine*, 11(9), 2590–2602. doi:10.1002/term.2159
- He, F. (2011). Bradford Protein Assay. *Bio-101*: e45. DOI: 10.21769/BioProtoc.45.
- Henao, E., Delgado, E., Contreras, H., & Quintana, G. (2018). Polyelectrolyte Complexation versus Ionotropic Gelation for Chitosan-Based Hydrogels with Carboxymethylcellulose, Carboxymethyl Starch, and Alginic Acid. *International Journal of Chemical Engineering*, 2018, 1–12. <https://doi.org/10.1155/2018/3137167>
- Holen, I., Speirs, V., Morrissey, B., & Blyth, K. (2017). In vivo models in breast cancer research: progress, challenges and future directions. *Disease models & mechanisms*, 10(4), 359–371. <https://doi.org/10.1242/dmm.028274>

- Hu, W., Wang, Z., Xiao, Y., Zhang, S., & Wang, J. (2019). Advances in crosslinking strategies of biomedical hydrogels. *Biomaterials Science*, 7(3), 843–855. <https://doi.org/10.1039/c8bm01246f>
- Hudu, S. A., Alshrari, A. S., Syahida, A., & Sekawi, Z. (2016). Cell Culture, Technology: Enhancing the Culture of Diagnosing Human Diseases. *Journal of clinical and diagnostic research : JCDR*, 10(3), DE01–DE5. <https://doi.org/10.7860/JCDR/2016/15837.7460>
- Ichim, T. E., O'Heeron, P., & Kesari, S. (2018). Fibroblasts as a practical alternative to mesenchymal stem cells. *Journal of translational medicine*, 16(1), 212. <https://doi.org/10.1186/s12967-018-1536-1>
- Jacob, J. T., Coulombe, P. A., Kwan, R., & Omary, M. B. (2018). Types I and II Keratin Intermediate Filaments. *Cold Spring Harbor perspectives in biology*, 10(4), a018275. <https://doi.org/10.1101/cshperspect.a018275>
- Kaczmarek, B., Nadolna, K., & Owczarek, A. (2020). The physical and chemical properties of hydrogels based on natural polymers. *Hydrogels Based on Natural Polymers*, 151–172. [doi:10.1016/b978-0-12-816421-1.00006-9](https://doi.org/10.1016/b978-0-12-816421-1.00006-9)
- Kapałczyńska, M., Kolenda, T., Przybyła, W., Zajączkowska, M., Teresiak, A., Filas, V., Ibbs, M., Bliźniak, R., Łuczewski, Ł., & Lamperska, K. (2018). 2D and 3D cell cultures - a comparison of different types of cancer cell cultures. *Archives of medical science : AMS*, 14(4), 910–919. <https://doi.org/10.5114/aoms.2016.63743>
- Kendall, R. T., & Feghali-Bostwick, C. A. (2014). Fibroblasts in fibrosis: novel roles and mediators. *Frontiers in pharmacology*, 5, 123. <https://doi.org/10.3389/fphar.2014.00123>
- Kielkopf, C. L., Bauer, W., & Urbatsch, I. L. (2020). Bradford Assay for Determining Protein Concentration. *Cold Spring Harbor protocols*, 2020(4), 102269. <https://doi.org/10.1101/pdb.prot102269>
- Kim, J., Koo, B. K., & Knoblich, J. A. (2020). Human organoids: model systems for human biology and medicine. *Nature reviews. Molecular cell biology*, 21(10), 571–584. <https://doi.org/10.1038/s41580-020-0259-3>

- Konop, M., Sulejczak, D., Czuwara, J., Kosson, P., Misicka, A., Lipkowski, A. W., & Rudnicka, L. (2017). The role of allogenic keratin-derived dressing in wound healing in a mouse model. *Wound Repair and Regeneration*, 25(1), 62–74. doi:10.1111/wrr.12500
- la Cava, Enzo & Gerbino, Esteban & Sgroppo, Sonia & Gómez-Zavaglia, Andrea. (2018). Characterization of Pectins Extracted from Different Varieties of Pink/Red and White Grapefruits [ *Citrus Paradisi* (Macf.)] by Thermal Treatment and Thermosonication: Characterization of pectins.... *Journal of Food Science*. 83. 10.1111/1750-3841.14183.
- Langhans S. A. (2018). Three-Dimensional in Vitro Cell Culture Models in Drug Discovery and Drug Repositioning. *Frontiers in pharmacology*, 9, 6. <https://doi.org/10.3389/fphar.2018.00006>
- Lara-Espinoza, C., Carvajal-Millán, E., Balandrán-Quintana, R., López-Franco, Y., & Rascón-Chu, A. (2018). Pectin and Pectin-Based Composite Materials: Beyond Food Texture. *Molecules* (Basel, Switzerland), 23(4), 942. <https://doi.org/10.3390/molecules23040942>
- Lehmann, R., Lee, C. M., Shugart, E. C., Benedetti, M., Charo, R. A., Gartner, Z., Hogan, B., Knoblich, J., Nelson, C. M., & Wilson, K. M. (2019). Human organoids: a new dimension in cell biology. *Molecular biology of the cell*, 30(10), 1129–1137. <https://doi.org/10.1091/mbc.E19-03-0135>
- Lin, C. W., Chen, Y. K., Lu, M., Lou, K. L., & Yu, J. (2018). Photo-Crosslinked Keratin/Chitosan Membranes as Potential Wound Dressing Materials. *Polymers*, 10(9), 987. <https://doi.org/10.3390/polym10090987>
- Liu, H., Wang, Y., Cui, K., Guo, Y., Zhang, X., & Qin, J. (2019). Advances in Hydrogels in Organoids and Organs-on-a-Chip. *Advanced Materials*, 1902042. doi:10.1002/adma.201902042
- Lv, X., Li, Z., Chen, S., Xie, M., Huang, J., Peng, X., Yang, R., Wang, H., Xu, Y., & Feng, C. (2016). Structural and functional evaluation of oxygenating keratin/silk fibroin scaffold and initial assessment of their potential for urethral tissue engineering. *Biomaterials*, 84, 99–110. <https://doi.org/10.1016/j.biomaterials.2016.01.032>

- Martău, G. A., Mihai, M., & Vodnar, D. C. (2019). The Use of Chitosan, Alginate, and Pectin in the Biomedical and Food Sector—Biocompatibility, Bioadhesiveness, and Biodegradability. *Polymers*, 11(11), 1837. doi:10.3390/polym11111837
- Mir, M., Ali, M. N., Barakullah, A., Gulzar, A., Arshad, M., Fatima, S., & Asad, M. (2018). Synthetic polymeric biomaterials for wound healing: a review. *Progress in biomaterials*, 7(1), 1-21
- Moll, R., Divo, M., & Langbein, L. (2008). The human keratins: biology and pathology. *Histochemistry and cell biology*, 129(6), 705–733. <https://doi.org/10.1007/s00418-008-0435-6>
- Navone, L., & Speight, R. (2018). Understanding the dynamics of keratin weakening and hydrolysis by proteases. *PloS one*, 13(8), e0202608. <https://doi.org/10.1371/journal.pone.0202608>
- Noreen, A., Nazli, Z.-H., Akram, J., Rasul, I., Mansha, A., Yaqoob, N., ... Zia, K. M. (2017). Pectins functionalized biomaterials; a new viable approach for biomedical applications: A review. *International Journal of Biological Macromolecules*, 101, 254–272. doi:10.1016/j.ijbiomac.2017.03.029
- Oliva, J., Florentino, A., Bardag-Gorce, F., & Niihara, Y. (2019). Engineering, differentiation and harvesting of human adipose-derived stem cell multilayer cell sheets. *Regenerative medicine*, 14(3), 151–163. <https://doi.org/10.2217/rme-2018-0053>
- Otieno, B. A., Krause, C. E., & Rusling, J. F. (2016). Bioconjugation of Antibodies and Enzyme Labels onto Magnetic Beads. *Methods in Enzymology*, 135–150. <https://doi.org/10.1016/bs.mie.2015.10.005>
- Ovsianikov, A., Khademhosseini, A., & Mironov, V. (2018). The Synergy of Scaffold-Based and Scaffold-Free Tissue Engineering Strategies. *Trends in biotechnology*, 36(4), 348–357. <https://doi.org/10.1016/j.tibtech.2018.01.005>
- Pastar, I., Stojadinovic, O., Yin, N. C., Ramirez, H., Nusbaum, A. G., Sawaya, A., Patel, S. B., Khalid, L., Isseroff, R. R., & Tomic-Canic, M. (2014). Epithelialization in Wound Healing: A Comprehensive Review. *Advances in wound care*, 3(7), 445–464. <https://doi.org/10.1089/wound.2013.0473>

- Popa, Elena & Rodrigues, Márcia & Coutinho, Daniela & Oliveira, Mariana & Mano, João F. & Reis, Rui L. & Gomes, Manuela. (2012). Cryopreservation of cell laden natural origin hydrogels for cartilage regeneration strategies. *Soft Matter*. 9. 875-885. [10.1039/C2SM26846A](https://doi.org/10.1039/C2SM26846A).
- Qin, Y., Lee, Y., Seo, J., Kim, T., Shin, J. H., & Park, S. H. (2019). NIH3T3 Directs Memory-Fated CTL Programming and Represses High Expression of PD-1 on Antitumor CTLs. *Frontiers in immunology*, 10, 761. <https://doi.org/10.3389/fimmu.2019.00761>
- Riaz, Tehseen & Zeeshan, Rabia & Zarif, Faiza & Ilyas, Kanwal & Muhammad, Nawshad & Safi, Sher & Rahim, Abdur & Rizvi, Syed & Rehman, Ihtesham. (2018). FTIR analysis of natural and synthetic collagen. *Applied Spectroscopy Reviews*. 53. 703-746. [10.1080/05704928.2018.1426595](https://doi.org/10.1080/05704928.2018.1426595).
- Richbourg, N. R., & Peppas, N. A. (2020). The swollen polymer network hypothesis: Quantitative models of hydrogel swelling, stiffness, and solute transport. *Progress in Polymer Science*, 101243. [doi:10.1016/j.progpolymsci.2020.1](https://doi.org/10.1016/j.progpolymsci.2020.1)
- Sigaeva, N. N., Vil'danova, R. R., Sultanbaev, A. V., & Ivanov, S. P. (2020). Synthesis and Properties of Chitosan- and Pectin-Based Hydrogels. *Colloid Journal*, 82(3), 311–323. <https://doi.org/10.1134/s1061933x20030114>
- Silva, R., Singh, R., Sarker, B., Papageorgiou, D. G., Juhasz, J. A., Roether, J. A., Cicha, I., Kaschta, J., Schubert, D. W., Chrissafis, K., Detsch, R., & Boccaccini, A. R. (2014). Hybrid hydrogels based on keratin and alginate for tissue engineering. *Journal of Materials Chemistry B*, 2(33), 5441–5451. <https://doi.org/10.1039/C4TB00776J>
- Simian, M., & Bissell, M. J. (2017). Organoids: A historical perspective of thinking in three dimensions. *The Journal of cell biology*, 216(1), 31–40. <https://doi.org/10.1083/jcb.201610056>
- Sista Kameshwar, A.K., Qin, W. Structural and functional properties of pectin and lignin–carbohydrate complexes de-esterases: a review. *Bioresour. Bioprocess.* 5, 43 (2018). <https://doi.org/10.1186/s40643-018-0230-8>



- Tavakoli, S., & Klar, A. S. (2020). Advanced Hydrogels as Wound Dressings. *Biomolecules*, 10(8), 1169. <https://doi.org/10.3390/biom10081169>
- Tavakoli, S., Mokhtari, H., Kharaziha, M., Kermanpur, A., Talebi, A., & Moshtaghian, J. (2020). A multifunctional nanocomposite spray dressing of Kappa-carrageenan-polydopamine modified ZnO/L-glutamic acid for diabetic wounds. *Materials science & engineering. C, Materials for biological applications*, 111, 110837. <https://doi.org/10.1016/j.msec.2020.110837>
- Thonpho, A., Songeon, W., & Srihanam, P. (2016). Effect of cross-linked agents on keratin films property. *International Journal*, 11(28), 2866-2869.
- Tran, C. D., & Mututuvvari, T. M. (2016). Cellulose, Chitosan and Keratin Composite Materials: Facile and Recyclable Synthesis, Conformation and Properties. *ACS sustainable chemistry & engineering*, 4(3), 1850–1861. <https://doi.org/10.1021/acssuschemeng.6b00084>
- Venzon, S. S., Canteri, M. H. G., Granato, D., Junior, B. D., Maciel, G. M., Stafussa, A. P., & Haminiuk, C. W. I. (2014). Physicochemical properties of modified citrus pectins extracted from orange pomace. *Journal of Food Science and Technology*, 52(7), 4102–4112. <https://doi.org/10.1007/s13197-014-1419-2>
- Verma, A., Verma, M., & Singh, A. (2020). Animal tissue culture principles and applications. *Animal Biotechnology*, 269–293. <https://doi.org/10.1016/B978-0-12-811710-1.00012-4>
- Wagner, T., Gschwandtner, M., Strajeriu, A., Elbe-Bürger, A., Grillari, J., Grillari-Voglauer, R., Greiner, G., Golabi, B., Tschachler, E., & Mildner, M. (2018). Establishment of keratinocyte cell lines from human hair follicles. *Scientific reports*, 8(1), 13434. <https://doi.org/10.1038/s41598-018-31829-0>
- Wang, X., Shi, Z., Zhao, Q., & Yun, Y. (2021). Study on the Structure and Properties of Biofunctional Keratin from Rabbit Hair. *Materials (Basel, Switzerland)*, 14(2), 379. <https://doi.org/10.3390/ma14020379>
- Wilson V. G. (2014). Growth and differentiation of HaCaT keratinocytes. *Methods in molecular biology (Clifton, N.J.)*, 1195, 33–41. [https://doi.org/10.1007/7651\\_2013\\_42](https://doi.org/10.1007/7651_2013_42)

- Winther, J. R., & Thorpe, C. (2014). Quantification of thiols and disulfides. *Biochimica et biophysica acta*, 1840(2), 838–846. <https://doi.org/10.1016/j.bbagen.2013.03.031>
- Wojtowicz, A. M., Oliveira, S., Carlson, M. W., Zawadzka, A., Rousseau, C. F., & Baksh, D. (2014). The importance of both fibroblasts and keratinocytes in a bilayered living cellular construct used in wound healing. *Wound repair and regeneration : official publication of the Wound Healing Society [and] the European Tissue Repair Society*, 22(2), 246–255. <https://doi.org/10.1111/wrr.12154>
- Wong, S. Y., Lee, C. C., Ashrafzadeh, A., Junit, S. M., Abraham, N., & Hashim, O. H. (2016). A High-Yield Two-Hour Protocol for Extraction of Human Hair Shaft Proteins. *PloS one*, 11(10), e0164993. <https://doi.org/10.1371/journal.pone.0164993>
- Yang, X., Nisar, T., Liang, D., Hou, Y., Sun, L., & Guo, Y. (2018). Low methoxyl pectin gelation under alkaline conditions and its rheological properties: Using NaOH as a pH regulator. *Food Hydrocolloids*, 79, 560–571. doi:10.1016/j.foodhyd.2017.12.006
- Yue, K., Liu, Y., Byambaa, B., Singh, V., Liu, W., Li, X., Sun, Y., Zhang, Y. S., Tamayol, A., Zhang, P., Ng, K. W., Annabi, N., & Khademhosseini, A. (2018). Visible light crosslinkable human hair keratin hydrogels. *Bioengineering & translational medicine*, 3(1), 37–48. <https://doi.org/10.1002/btm2.10077>
- Yue, K., Liu, Y., Byambaa, B., Singh, V., Liu, W., Li, X., Sun, Y., Zhang, Y. S., Tamayol, A., Zhang, P., Ng, K. W., Annabi, N., & Khademhosseini, A. (2018). Visible light crosslinkable human hair keratin hydrogels. *Bioengineering & Translational Medicine*, 3(1), 37–48. <https://doi.org/10.1002/btm2.10077>
- Zhao, Z., Vizetto-Duarte, C., Moay, Z. K., Setyawati, M. I., Rakshit, M., Kathawala, M. H., & Ng, K. W. (2020). Composite Hydrogels in Three-Dimensional in vitro Models. *Frontiers in bioengineering and biotechnology*, 8, 611. <https://doi.org/10.3389/fbioe.2020.00611>
- Zheng, X. F., Lian, Q., & Song, S. T. (2013). Chitosan-Gelatin-Pectin Composite Films from Polyion-Complex Hydrogels. *Asian Journal of Chemistry*, 25(10), 5363–5366. <https://doi.org/10.14233/ajchem.2013.14193>