

Nombre del estudiante Fernanda Belén Contreras Tobar
Título del seminario Seminarios bibliográficos investigación realizada en el laboratorio
Profesor Guía Dr. Felipe Arenas Salinas

Programación:

Semana	Fecha	Unidad	Título del Paper	DOI
1	03-09-2020	Unidad 1: Biosíntesis de Nanoestructuras	Fariq A., Khan T. and Yasmin A. (2017). Microbial synthesis of nanoparticles and their potential applications in biomedicine. <i>Journal of Applied Biomedicine</i> , 15 ; 241-248.	10.1016/j.jab.2017.03.004
2	10-09-2020		Gomaa E. (2017). Silver nanoparticles as an antimicrobial agent: A case study on Staphylococcus aureus and Escherichia coli as models for Gram-positive and Gram-negative bacteria. <i>The Journal of General and Applied Microbiology</i> , 63 ; 36-43	10.2323/jgam.2016.07.004
3	24-09-2020		Thakkar K., Mhatre N., Snehit S., et al. (2010). Biological synthesis of metallic nanoparticles. <i>Nanomedicine: Nanotechnology, Biology and Medicine</i> , 2 ; 257-262.	10.1016/j.nano.2009.07.002
4	01-10-2020		Durán N., Marcato P., Durán M., et al. (2011). Mechanistic aspects in the biogenic synthesis of extracellular metal nanoparticles by peptides, bacteria, fungi, and plants. <i>Applied Microbiology and Biotechnology</i> , 90 ; 1609-1624.	10.1007/s00253-011-3249-8
5	08-10-2020		Pantidos N. and Horsfall L. (2014). Biological synthesis of metallic nanoparticles by bacteria, fungi and plants. <i>Nanomedicine and Nanotechnology</i> , 5 ; 10.	10.4172/2157-7439.1000233
6	15-10-2020	Unidad 2: Nanoestructuras de Cobre	Zhou N., Tian L., Wang Y., et al. (2016). Extracellular biosynthesis of copper sulfide nanoparticles by Shewanella oneidensis MR-1 as a photothermal agent. <i>Enzyme and Microbial Technology</i> , 95 ; 230-235	10.1016/j.enzmictec.2016.04.002
7	22-10-2020		Gondwal M. and Joshi Nee Pant G. (2018). Synthesis and Catalytic and Biological Activities of Silver and Copper Nanoparticles Using Cassia occidentalis. <i>International Journal of Biomaterials</i> , 2018 ; 6735426.	10.1155/2018/6735426
8	29-10-2020		Fujimori, Y., Sato, T., Hayata, T., Nagao, T., Nakayama, M., Nakayama, T., Sugamata, R., & Suzuki, K. (2012). Novel antiviral characteristics of nanosized copper(I) iodide particles showing inactivation activity against 2009 pandemic H1N1 influenza virus. <i>Applied and Environmental Microbiology</i> , 78 (4), 951–955.	10.1128/AEM.06284-11
9	05-11-2020		Saravanakumar, K., Shanmugam, S., Varukattu, N. B., MubarakAli, D., Kathiresan, K., & Wang, M. H. (2019). Biosynthesis and characterization of copper oxide nanoparticles from indigenous fungi and its effect of photothermolysis on human lung carcinoma. <i>Journal of Photochemistry and Photobiology. B, Biology</i> , 190 , 103–109.	10.1016/j.jphotobiol.2018.11.017
10	12-11-2020		Lv, Q., Zhang, B., Xing, X., Zhao, Y., Cai, R., Wang, W., & Gu, Q. (2018). Biosynthesis of copper nanoparticles using Shewanella loihica PV-4 with antibacterial activity: Novel approach and mechanisms investigation. <i>Journal of Hazardous Materials</i> , 347 , 141–149.	10.1016/j.jhazmat.2017.12.070
11	19-11-2020	Unidad 3: Actividad Antiviral de Nanoestructuras	Lara H., Ayala-Núñez N., Ixtapan-Turrent L., et al. (2010). Mode of antiviral action of silver nanoparticles against HIV-1. <i>Journal of Nanobiotechnology</i> , 8 ; 1-10.	10.1186/1477-3155-8-1
12	26-11-2020		Orlowski P., Tomaszewska E., Gniadek M., et al. (2014). Tannic Acid Modified Silver Nanoparticles Show Antiviral Activity in Herpes Simplex Virus Type 2 Infection. <i>PLoS ONE</i> , 9 ; e104113.	10.1371/journal.pone.0104113
13	03-12-2020		Hang, X., Peng, H., Song, H., Qi, Z., Miao, X., & Xu, W. (2015). Antiviral activity of cuprous oxide nanoparticles against Hepatitis C Virus in vitro. <i>Journal of Virological Methods</i> , 222 , 150–157.	10.1016/j.jviromet.2015.06.010
14	10-12-2020		Kim, J., Yeom, M., Lee, T., Kim, H. O., Na, W., Kang, A., Lim, J. W., Park, G., Park, C., Song, D., & Haam, S. (2020). Porous gold nanoparticles for attenuating infectivity of influenza A virus. <i>Journal of Nanobiotechnology</i> , 18 (1), 54.	10.1186/s12951-020-00611-8
15	17-12-2020		Chan W. (2020). Nano Research for COVID-19. <i>ACS nano</i> , 14 ; 3719–3720.	10.1021/acsnano.0c02540