

Curriculum Vitae

Endris Yibru Hanurry

PERSONAL INFORMATION

Name Endris Yibru Hanurry
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EXPERIENCE

Addis Ababa University (Sept. 2022 – present) Assistant Professor of Biochemistry and Biomedical Nanoscience, Department of Biochemistry, College of Health Science, Addis Ababa University, Ethiopia

Debre Markos University (March, 2015 – Aug., 2017) Lecturer of Biochemistry at the Department of Biomedical Science, School of Medicine, Debre Markos University, Ethiopia

Aksum University (Sept. 2009 – Feb. 2011) Research assistant at the Department of Chemistry, Aksum University, Ethiopia

EDUCATION

National Taiwan University of Science and Technology (Sept 2017 -Nov 2020) Ph.D. in Biochemistry and Biomedical Nanoscience from National Taiwan University of Science and Technology. Taipei City, Taiwan
 Date of award: November 11, 2020
 Dissertation Title: PAMAM Dendritic-based carrier to enhance the delivery of siRNA, Chemotherapeutic and Immunotherapeutic Drugs in Cancer Therapy

Addis Ababa University (Oct 2011 – July 2014) Master of Science in Biochemistry from Addis Ababa University, Addis Ababa, Ethiopia.
 Date of award - July 08, 2014

Arba Minch University (Oct 2005- July 2007) Bachelor of Science in Chemistry from Arba Minch University, Arba Minch, Ethiopia
 Date of Awarded – July 21, 2007

PROFESIONAL SKILLS

- Electrophoresis, Western blotting, Flow cytometry, ELISA, NMR, Raman, FTIR, SEM, Uv-visible spectroscopy, DLS, microscopy
- ChemBiodraw, Origin, Graphpad Prism 7, Motic DS assistant, SPSS, STATA, ImageJ
- Cell and tissue culture, Animal handling and experiment,

ADDITIONAL INFORMATION

Publication

Hanurry, E.Y.; Mekonnen, T.W.; Andrgie, A.T.; Darge, H.F.; Birhan, Y.S.; Hsu, W.-H.; Chou, H.-Y.; Cheng, C.-C.; Lai, J.-Y.; Tsai, H.-C., **2022**. PAMAM Dendritic Nanoparticle Incorporated Hydrogel to Enhance the Immunogenic Cell Death and Immune Response of Immunochemotherapy. *ACS Biomaterials Science & Engineering*.

Hanurry, E.Y.; Mekonnen, T.W.; Andrgie, A.T.; Darge, H.F.; Birhan, Y.S.; Hsu, W.-H.; Chou, H.-Y.; Cheng, C.-C.; Lai, J.-Y.; Tsai, H.-C. Biotin-Decorated PAMAM G4.5 Dendrimer Nanoparticles to Enhance the Delivery, Anti-Proliferative, and Apoptotic Effects of Chemotherapeutic Drug in Cancer Cells. *Pharmaceutics* **2020**, 12, 443.

Hanurry, E.Y., Hsu, W.-H., Darge, H.F., Birhan, Y.S., Mekonnen, T.W., Andrgie, A.T., Chou, H.-Y., Cheng, C.-C., Lai, J.-Y., Tsai, H.-C., 2020. In vitro, siRNA delivery via diethylenetriamine- and tetraethylenepentamine-modified carboxyl group-terminated Poly(amido)amine generation 4.5 dendrimers. *Mater. Sci. & Eng. C Mater. Biol. Appl.* 106, 110245-110252.

Darge, H.F., **Hanurry, E.Y.**, Birhan, Y.S., Mekonnen, T.W., Andrgie, A.T., Chou, H.-Y., Lai, J.Y. and Tsai, H.C. 2020. Multifunctional drug-loaded micelles encapsulated in thermo-sensitive hydrogel for in vivo local cancer treatment: synergistic effects of anti-vascular and immuno-chemotherapy. *Chemical Engineering Journal*

Darge, H.F., Andrgie, A.T., **Hanurry, E.Y.**, Birhan, Y.S., Mekonnen, T.W., Chou, H.-Y., Hsu, W.-H., Lai, J.-Y., Lin, S.-Y., Tsai, H.-C., 2019. Localized controlled release of bevacizumab and doxorubicin by thermo-sensitive hydrogel for normalization of tumor vasculature and to enhance the efficacy of chemotherapy. *Int. J. Pharm.* 572, 118799.

Mekonnen, T.W., Birhan, Y.S., Andrgie, A.T., **Hanurry, E.Y.**, Darge, H.F., Chou, H.-Y., Lai, J.-Y., Tsai, H.-C., Yang, J.M., Chang, Y.-H., 2019. Encapsulation of gadolinium ferrite nanoparticle in generation 4.5 poly(amidoamine) dendrimer for cancer theranostics applications using low frequency alternating magnetic field. *Colloids Surf. B* 184, 110531.

Birhan, Y.S., **Hanurry, E.Y.**, Mekonnen, T.W., Darge, H.F., Lin, Y.H., Yang, M.C. and Tsai, H.C., 2022. Biotin-decorated redox-responsive micelles from diselenide-linked star-shaped copolymers for the targeted delivery and controlled release of doxorubicin in cancer cells. *Journal of Applied Polymer Science*, 139(24), p.52327.

Conferences

- ◆ In vitro siRNA delivery via DETA- and TEPA-modified carboxyl group terminated Poly(amido)amine generation 4.5 dendrimers” on June 27- 29, 2019, Taipei, Taiwan.
- ◆ The effect of Coriandrum sativum seed extract on nutritional and metabolic changes in streptozotocin-induced type- 2 diabetic Swiss albino mice Pan African Chemistry Network (PACN) and Royal Chemical Society conference on biodiversity and global challenges: Addis Ababa, December 2014.

Honors and awards

- ◆ Scholarship award in 2017, National Taiwan University of Science and Technology, Taiwan
- ◆ PBL guideline preparation award on April 2016, Ministry of Health, Ethiopia with the

Citation

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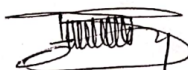
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Declaration

I hereby declare that the particulars furnished herein by me are true to the best of my knowledge and belief.

Signature:



Endris Yibru Hanurry

Date: July 03, 2024