CURRICULUM VITAE

PERSONAL DATA

Name	Mohamed Ahmed El-Sayed Habib
Nationality	Egyptian
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EDUCATION

Year	Academic Degree	Institution
1987-1991	B.Sc.in chemistry	Faculty of science , Tanta university ,Cairo , Egypt.
1997-2002	M.Sc. in chemistry	Faculty of Science, Al-Azharuniversity, Cairo , Egypt.
2005-2010	PhD. in Chemistry	Faculty of science, Ain Shams university , Cairo , Egypt .

WORK EXPERIENCE

Period	Position	Address
1997-2002	MSc graduate student, Chemistry Department, Faculty of Science, Al-Azhar university .	Chemistry Department, Faculty of Science, Al-Azhar University,Cairo, Egypt.
2006-2010	Research assistant chemistry of tanning materials and leather technology.	National Research Center, Cairo, Egypt.
2010 - 2014	Chemical researcher , chemistry of tanning materials and leather technology	National Research Center, Cairo, Egypt.
2014 - 2024	Assistant Professor, college of science, Imam Mohammad Ibn Saud Islamic University	Department of chemistry, College of science, Imam Mohammad Ibn Saud Islamic Universit, KSA.
2024 - 2026	Associate Professor, college of science, Imam Mohammad Ibn Saud Islamic University	Department of chemistry, College of science, Imam Mohammad Ibn Saud Islamic Universit, KSA.

RESEARCH INTERESTS

A Chemical researcher specializing in the chemistry of leather chemistry, nanotechnology, advanced nanomaterials, nano leather treatment, leather waste recycling, and the production of value-added materials from by-products and bio-wastes, interested in the chemical valorization of natural resources, reducing pollution resulting from the leather industry, leather fatliquoring, and the development of oleo-chemical resources, collagen, and fats, and developing nanomaterials for different applications.

PUBLICATIONS

1. Saber M. Hassan, Hussein A. Emam and **Mohamed A. Habib**. Chemistry and Tautomerism of Coupling Products of Diazotized Sulfamethoxazole with Some Compounds Containing an Active Methylene Group**.** Journal of Chemical Research, 33(36), 2002.
2. 2 - Ola. A.M, **M.A.Habib**, N.H.El Sayed. Production of leather fat liquoring agents from local sources as an alternative to imported liquors. Egyptian Journal of Chemistry,52(4):501-523,2010.
3. Ola. A.M, **M.A. Habib**, N.H.ElSayed. Leather fatliquoring agent prepared by phosphorylation of local animal bone fat. Journal of Indian Leather Technologists Association, Vol.LX (NO. 6)456-468,2010, ISSN OO195738,
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5. A.M.Ola, **M.A.Habib**, N. H.ElSayed . Sulphitation of Animal Bone Fat for Use as a Fatliquor. Journal of the society of leather technologists and chemists,98(5):205-210,2014 ISSN 0144-0322.
6. **M.A.Habib** and A.G.Alshammari. Leather fatliquor from hide fleshings"Journal of the society of leather technologists and chemists, 98(5) : 199-204, 2014 ISSN 0144-0322,
7. Mohamed I. Attia and **Mohamed. A. Habib**. Recycling of leather green fleshing using local activated Saudi bentonite. Sylwan, 159(1):1-14, 2015 , ISSN 0039-7660.
8. 8- **M. A . Habib** and A . G . Alshammaria. Recycling and utilization of waste deep frying oil in leather industry. Indian journal of chemical technology, 24 ,:198 – 205, 2017,
9. 9- **M.A.Habib**,M.A.Attia,F.K.M.Wali. Digest journal of nonmaterial and bio structures , 12(3),September 2017,841-846. Adsorption capacity of carbon soot for chromium (VI) and copper (II) from their solutions instead of PAC .
10. **MA Habib**, Heba YM.Research. Adding Value to Animal Bone Marrow Byproduct via Adsorption onto Modified Local Bentonite. Journal of Pharmaceutical, Biological and Chemical Sciences, 8(4) , 474-480 (2017).
11. **M. A. Habib**. Non-Chemically Modified Prefix Substance as A Fat Liquor for Leather Manufacture from Recovered Neatsfoot Oil . Egypt. J. Chem. 60, No. 4, pp. 667 - 674 (2017).
12. **M.A.Habib**. Ultrasound processing for high quality leather fat liquor production based on recovered fish oil. J. Bio. & Env. Sci. Vol. 11, No. 3, p. 151-158, 2017.
13. **M. A. Habib**. Modification of the recovered low-grade fat to formulate eco-friendly lubricant grease Latin American applied research, 48:69-74 (2018).
14. **M. A. Habib** and ag alshammari. Research Journal of Pharmaceutical, 9(3),2018. valorization of the agriculture byproduct of palm date trees: preparation of activated carbon for organic dyes removal from tanneries waste water,
15. Abdulrahman G Alhamzani, Mohamed I Attia, and **Mohamed A Habib**. Assessment of Zinc (II) Removal From Aqueous Solutions Using Prepared Activated Carbon And Bentonite. Research Journal of Pharmaceutical,10(2), 2019.

16. **M. A. Habib**. Industrial – Grade gelatin from Animal Bone Marrow through Free - Chemical Method. Research Journal of Pharmaceutical, Biological and Chemical Sciences, 10(6),2019.
17. **Habib Mohamed A.** and Alhamzani Abdulrahman. High Quality Activated Carbon from Local Agriculture by-products: An innovative low-cost base treatment process Research Journal of Chemistry and Environment, 24 (4) (2020).
18. Abdulrahman G. Alhamzaniand M. A. Habib . PREPARATION OF CELLULOSE NANOCRYSTALS FROM DATE PALM TREE LEAFLETS (PHOENIX DACTYLIFERA L.) VIA REPEATED CHEMICAL TREATMENTS. Cellulose Chemistry and Technology 4, (2020).
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51. Hudabia Murtaza, Ahmed B.M. Ibrahim, Junaid Munir, Abhinav Kumar, **Mohamed A. Habib**, Ankit Dilipkumar Oza, Quratul Ain, *Excellent hydrogen storage capabilities and optoelectronic attributes of $XClH_6$ (Li, Na, K) perovskite hydrides for green energy technologies, RSC Advances, 2025, 15(38), 31609-31619.*
52. Ahmed B.M. Ibrahim, Mohamed A. Habib, Sadaf Munir, Fawad Ahmad, Muhammad Imran Khan, Abdallah Shanableh, *Enhanced electrocatalytic activity of NiWPd nanocrystals for oxygen reduction reaction in fuel cells, Journal of Organometallic Chemistry, 2025, 1039, 123796.*
53. Hudabia Murtaza, Ahmed B.M. Ibrahim, Quratul Ain, Abhinav Kumar, M.A. Habib, Ankit Dilipkumar Oza, Junaid Munir, *Harnessing the physical attributes of mechanical, structural and dynamical stable alkali-metal perovskite (Rb/Cs)NH_6 for sustainable hydrogen storage, Chemical Physics Letters, 2025, 877, 142282.*
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56. Sayeef Shahrear, **Mohamed A. Habib**, Md Saiduzzaman, Avijit Das Pritom, Ahmed B.M. Ibrahim, Omar Alsalmi, Mohd Taukeer Khan, Noureddine Elboughdiri, First-principles investigation of pressure induced band gap tuning of lead-free AsiF3 (A = Na, K, Rb) fluoroperovskites, Modern Physics Letters B, DOI: 10.1142/S0217984926501770.
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