



Curriculum Vitae

Prof. Dr. Nahla A. Al-Bakri

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- **Qualification:**

- BSc. Biology, 1982, Baghdad University.
- MSc. Zoology/ Embryology and histology, 1987, Baghdad University.
- PhD. Zoology/ Embryology and histology, 1996, Baghdad University.

- **Research Interest:**

Embryology, Comparativ Embryology , Histology , Comparative Histology , Histological Techniques , Histopathology.

- **Position Held:**

1. Head of Biology Department, College of Education for Pure Science (Ibn Al-Haitham), Baghdad University (2012-2015).
2. Local Expert in UNICCO organization (2012-2015)
3. Member of Editorial Board of Ibn Al-Haitham Journal for Pure and Applied Sciences (2015-2019)
4. Chief Editor of Ibn Al-Haitham Journal for Pure and Applied Sciences (2019-yet)
5. Member of Editorial Board of Iraqi Journal of Embryos and Infertility Researches 2011- yet).
6. Member of Editorial Board of Science Letters Journal (Malaysia) (2018-2020).
7. Member of Editorial Board of Alborg Academy Journal of Pure Sciences (2020-2021) .

- **Languages:** Arabic and English .

- **Teaching Experience**

1- Embryology 2-Advance Embryology 3-Histology 4- Advance Histology 5-Comparative Embryology 6- Comparative Anatomy and Embryology 7- Developmental Zoology 8-General Embryology 9-Functional Histology 10-Human Embryology 11-Organogenesis 12- Special Embryology 13- Developmental Anatomy 14- Histological Techniques.

- **Thesis supervision**

PhD.

- 1- The effect of some drugs on the neurulation and caused congenital malformation in the mouse (*Mus musculus*) embryo. (2002).
- 2- Histopathological study of *Toxoplasma gondii* infection in human embryo and mice. (2008).
- 3- Histological and histochemical study of oviduct in albino mice treated with estradiol and progesterone. (2012).
- 4- Embryological study on the area posterma and median sculus in the 4th ventricle in the brain of albino rat (*Rattus rattus*). (2014)
- 5- Effect of carbamazepine drug on implantation and embryogenesis in *Mus musculus*. (2015).
- 6- (S.T.S.E.) in the content of secondary biology textbooks and the ownership of their biology teachers and their relation to the scientific culture of their students. (2015).
- 7- Embryonic Development and Histogenesis of Brain and Spinal Cord in Quail *Coturinx coturinx* (Linnaeus, 1758) (2016).
- 8- Histological and Histomorphological Changes of Leveteracetam Drug in Some Reproductive Organs in White Mice. (2016).
- 9- Histopathological and Immunohistochemical Study of Placenta in Diabetic Women. (2018).
- 10- Morphological Histological and Histomorphometric study on Embryonic of the Liver and Gall Bladder in the Local Chicken *Gallus gallu sdomesticus* (Linnaeus 1758) (2019).

- 11- Histopathological and Immunohistochemical Study certain Tumor Markers in the Gastric cancer Patients (2019).
- 12- Protein expression of cyclin D and E of Embryonic developmental stages in mice embryos under the influence of treatment with different concentration s of Rapamycin by use immunohistochemistry technique (2022).
- 13- Toxic Effects Of Cadmium And The Protective Role Of Zinc In The Liver Of Male Albino Mice *Mus musculus* ;Biochemical And Histopathological Study (2023).
- 14- The effect of Amlodipine and Captopril on the liver and kidney tissue of *Rattus norvegicus fetuses* (2023) .

MSc.

- 1-Effect of some calcium antagonists on the neurulation of the common carp *Cyprinus carpio* L. embryo (1999).
- 2-The embryonic development of the weberian apparatus in the *Barbus sharpeyi* Gunther (1999).
- 3-Topographical, histological and histochemical study of the pancreas of common quail (*Coturnix c. coturnix*) (2000).
- 4-The effect of cimetidine on the male reproductive of the swiss mice *Mus musculus* L (2001).
- 5-Study on development of optic tectum in Japanese Quail *Coturnix coturnix japonica* (2002).
- 6-The embryonic development and the histogenesis of the eye in the Japanese Quail *coturnix coturnix japonica* (2004).
- 7-Comparative histological study on the optic tectum in some Iraqi vertebrates (2004).
- 8-Structural and functional changes in liver and kidney of the embryos and pregnant with rifampicin (2008).
- 9-Histological structure of the optic tectum in the freshwater turtle *Clemys caspica caspica* (Gmelin, 1774) and rock dove *Columba liviagaddi* (Gmelin,1787) (2009).
- 10-Prenated and postnatal gabapentin effect in different doses on liver tissue of pregnant mice and embryo (2011).
- 11-Morphological and histological study of the female reproductive system in the fish *Barbus grypus* Heckel, 1843 in Baghdad(2011).
- 12-Study of some stage of the embryonic development of the eye in tree frog *Hyla arborea savignyi* (2011).
- 13-The morphological description & histological structure of liver and pancreas in two species of Iraqi vertebrates *Cyrtopodion scaberum* Gecko (Heyden, 1827) and *Passer domesticus* house sparrow (Lin, 1758) (2012).
- 14-Toxicity of Methotrexate Drug on Embryonic Development of Kidney in Mouse (2012).
- 15-Effect of some plant extracts in some histological and physiological characteristics of a bird quail (2013).
- 16-Morphological and histological study the liver in Iraq water snake *Natrix tessellate tessellate* (Khalaf, 1959) (2014)
- 17-Effect of coenzyme Q10 enriched to culture medium on out comes of *in vitro* fertilization and early embryonic development in mice as a model of human being. (2014).
- 18-Teratogenic effect of Keppra (Levetiracetam) drug on the kidney development in Rat Embryo *Rattus rattus* (Albino rats) (2015).
- 19-Histopathological study of carbamazepine effect on kidney in pre- and postnatal albino rat (2016).
- 20-Effect of levetiracetam drug on organization and histogenesis of the neural tube, brain, and spinal cord in embryo and postnatal rat (2016).
- 21-Teratogenic effect of methotrexate on histogenesis of gonad in newborn albino rat (*Rattus rattus*) (2016).
- 22-Histopathological and histomorphometric study on kidney affected by lamotrigine in pre and postnatal albino rat (2016).
- 23-Effect of Carbamazepine Drug on Morphological Description Histological Structure and Morphometric Assays of Liver in Female White Mice (2018).
- 24-The effect of Progesteron on mice gonads development Pre and Postnatally(2019).
- 25-Morphohistological and histometric study on the brain and spinal cord in the Iraqi frog *Rana ridibunda ridibunda* (2020).
- 26-Correlation of Urotensin II level between serum and placenta with histopathological study related with hyperglycaemia pregnant Iraqi women (2022).
- 27- Correlation between level of serum and placenta Cryopyrin with Histological placental changes in hypertensive pregnant Iraqi women (2022).
- 28- Histomorphometric study on the effect of the Hydroxychloroquine drug with estimation of amino acid concentration in kidney male mice *Mus musculus* (2022).
- 29-Histomorphometric study on the effects of Zinc on the Liver in mice *Mus musculus* with estimation of Amino acid ,Fatty acid and Glycogen concentration (2022).
- 30-Seminal Plasma Coenzyme Q10 Level and Sperm DNA Integrity in Relevance to sperm Parameters in Infertile Men (2023).
- 31- Effect of Hydroxychloroquine drug on the Kidney development with estimation of amino acids concentration in White mice (*Mus musculus*) embryo (2023).

Published Book

- 1- Textbook of Embryology - in print.
- 2- Biology of the 5th student of Secondary school , Ministry of Education - Iraq 2011.
- 3- Biology of the 6th student of Secondary school , Ministry of Education-Iraq 2010.

- 4- Biology of the 5th of Excellence student of Secondary school, Ministry of Education – Iraq , English Edition , 2022.
- 5- Biology of the 6th of Excellence student of Secondary school, Ministry of Education – Iraq , English Edition , 2022.

Some Publications (2017 – 2023)

- 1- Histological study on the effect of carbamazepine drug on the development of spinal cord in the fetus of albino mice (*Mus musculus*) . 2017. 1st International Scientific Conference for Pure Science College. pp:285 – 298 .
- 2- Effect of levetiracetam drug on histopathological changes of ovary in adult female white mice (*Mus musculus*), 2017. 2nd International Conference, Sustainable Development of the Environment and Agriculture, Cairo, 70 .
- 3- Teratogenic effect of levetiracetam drug on the development of kidney in embryo rat. 2018. Ibn Al-Haitham J. For Pure and Appl. Sci., Special Issue. pp : 31-40.
- 4- Histological structure of Spinal Cord in Quail *Coturnix coturnix* (Linnaeus, 1758). 2018 . Pak. J. Biotechnol., 15 (2) pp: 251-254.
- 5- Histopathological alternations of placenta in pregnancy women complicated with gestational diabetes. 2018. Indian Journal of public health and development, 9 (10) pp : 843-849.
- 6- Histopathological changes of placenta in pregnant women complicated with pregestational diabetes. 2018. Journal of Pharmaceutical Sciences and Research, 10 (11) pp: 2952-2959.
- 7- Binding Site of an wheat germ agglutinin (WGA) lectin in developing Japanese quail *Coturnix coturnix japonica* optic tectum. 2018. 10th International poultry conference-proceeding,pp :105 - 114.
- 8- Immunohistochemical Expression of CDX2 Protein in Iraqi Patients with Human Gastric Cancer (HGC). 2018. Indian Journal of Public Health Research & Development, 9 (12) pp : 1148-1153.
- 9- Tegretol (Carbamazepine) Effect on the Morphometric Assay of Liver in Female White Mice (*Mus musculus*). 2018. Ibn AL-Haitham Journal For Pure and Applied Science, 31(3) pp : 1-19.
- 10- The Effects of Progesterone on Mice Offspring Testis Development and Anogenital Distance Postnatally. 2018. Iraqi Journal of Embryos and Infertility Researches, 8 (1) pp: 46-54.
- 11- Analysis of Amino Acids of the Brain in Embryo and Adult of Quail. 2018. Iraqi Journal of Embryos and Infertility Researches, 8 (1) pp: 1-9.
- 12- Effect of Carbamazepine Drug on Liver Ultrastructure in Female White Mice (*Mus musculus*). 2018. international journal of pharmaceutical research, 10 (4):
- 13- Histomorphometrical Study of Placental from Male and Female Neonates of Diabetic Women . 2019. IbnAl –Haitham Jour. For Pure and Appl. Sci. 32 (2):pp:1 – 8.
- 14- Immunohistochemical Assessment of SOX2 Expression in Iraqi Patients with Gastric Carcinoma (GC). 2019. Indian Journal of Forensic Medicine & Toxicology, 13 (1) pp : 241-246.
- 15- The Immunohistochemical Assessment of Muc5ac in Patients with Gastric Carcinoma (Gc) in Iraq . 2019. Iraqi Jornal of Science . 60 (3) pp : 460-468.
- 16- Analysis of fatty acids of liver in the embryo and adult of domesticated chicken *Gallus gallus domesticus*. 2019. Journal of Global Pharma Technology. 11, Issue Os (Suppl.) pp : 62-68 .
- 17- The effects of progesterone administration in mice during pregenancy on ovarian development and anogenital distance of the offspring. 2019. Journal of International Dental and Medical Research. 12 (4) pp : 1665- 1670 .
- 18- Analysis of the amino acids in the liver of the embryo and the adult of domestica the chicken *gallus gallus domesticus* (linnaeus, 1758). 2019. Biochemical and Cellular Archives. 19 (2) pp : 4385-4392.
- 19- Association Between Carbamazepine Toxicity, Liver Bile Duct Injury, Granuloma and inflammatory Cells Infiltration in Female Mice. 2020 . Indian Journal of Forensic Medicine & Toxicology 14 (4) pp :1773 – 1778.
- 20- Effect of Some Alcoholic Extracts in Reducing the Fat Content of the Liver Tissue in Rat. 2020 Medico Legal Update 20 (1) pp:1058-1064 .

- 21- Histological Structure of the Olfactory Bulbs in the Iraqi Frog *Rana ridibunda ridibunda* . 2020. Journal of Research on the Lepidoptera. 51 (3) pp : 234 – 241,
- 22- Comparism of ABGAR Score among Gestational , Pregestational Diabetes and Normal Pregnant Women AAJMS. 2020 . 3 (1) pp : 60 – 64,
- 23- Stages of the glycogen appearance during liver development in the local chicken *Gallus gallus domesticus* embryo . 2020. 3rd International Conference, of (Environment and Agriculture Status in the Middle East) , Cairo, pp: 202-212 .
- 24- Association Between Carbamazepine Toxicity, Liver Bile Duct Injury, Granuloma and Inflammatory Cells Infiltration in Female Mice. Indian Journal of Forensic Medicine & Toxicology, 2020 . 14, Issue 4, pp :1773- 1774.
- 25- -Analysis of Fatty Acids of Liver in Embryo and Adult of Domesticated Chicken *Gallus gallus domesticus* . 2020. Journal of Global pharma Technology. 11 .issue 05 (Suppl), pp : 62-6.
- 26- Morphological study of the brain and spinal cord of the Iraqi frog *Rana ridibunda ridibunda* . 2020 , Biochem.Cell.Arch.20 (1)
- 27- Effect of ginger alcoholic extract on the ovary tissue in quail . 2021 . Journal of Physics: Conference Series 1879 (2) 022038 pp : 1-4 .
- 30- Anatomical histological structure of the cerebellum in the Iraqi frog *Rana ridibunda ridibunda*. 2021. Journal of Physics: Conference Series 1879 (2), 022007, pp: 1-4.
- 31- Histochemical study of human placental tissues in Gestational Diabetic Mellitus . 2021. IJEIR .10 (2) pp: 29-38
- 32- Histopathological Changes in Placentas of Gestational Hypertension Women .2022. IJDDT. 12 (1) pp :256 -259 .
- 33- Expression of Urotensin II of Human Placental Tissues and in Serum in Gestational Diabetic Mellitus in Iraqi Woman IJDDT. 2022 . 12 (1) pp : 70 – 73 .
- 34-Comprehension of the zinc chloredes ameliorative apoptotic and genotoxic effects on mice with cadmium – induced hepatotoxicity. 2022. J Anim.Behav.Biometeorol. 10, (2235) pp: 1-8.
- 35 - Metallothionein Protein Concentration in The Liver Tissue of Albino Mice Exposed to Cadmium and Zinc Chloride. 2022. The Egyptian Journal of Hospital Medicine. 89 (2) pp: 8083-8087.
- 36 - Study the Effect of different doses of Rapamycin on the liver development in the Swiss Albino Mice Embryos . 2022. Teikyoo medical journal 45 (1) pp : 3953 – 3963.
- 37 - Increased Expression of NLRP3 Inflammasome in Placentas of Gestational Hypertension . 2022 . IJEIR . 11 (1) pp : 29 – 37.
- 38- Zinc Chloride Can Mitigate the Alterations in Metallothionein and Some Apoptotic Proteins Induced by Cadmium Chloride in Mice Hepatocytes: A Histological and Immunohistochemical Study. 2023. Journal of Toxicology.4, pp:1- 8 .
- 39-Histopathological of effect of zinc on liver architecture of mice, *Mus musculus* . 2023 . Journal of Genetic and Environmental Resources Conservation . 11 (1) pp:60-66 .
- 40- Glomerulogenesis and Histomorphometric in *Mus musculus* Embryo. 2023. Ibn AL-Haitham Journal For Pure and Applied Sciences. 36 (2) pp: 14-21 .
- 41- Estimation of amino acid concentrations in the kidney of albino mice embryo .2023. Bionatura Issue 3 , 8 (1) pp: 1-9
- 42- Teratoma induced by amlodipine drug in fetus rats. GSC Advanced Research and Reviews . 2023. 16 (02) pp: 166–171.