

Laith A. Jawad

Contact Details

Laith Abd Jalil Jawad
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NATIONALITY: NEW ZEALAND

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Key Skills

Scientific skills

- Long experience (over 40 years) in fish taxonomy, fish biology, and ichthyological research
- Extensive scientific work (over 300 papers) published in the international scientific journals (See publication list at the end of CV)
Since year 2000 my sure name has been changed from Al-Hassan to Jawad.
- Excellent experience in aquatic biodiversity in general and freshwater biodiversity in particular.
- Excellent experience in assessment of aquatic biodiversity.
- Excellent knowledge about the inland and marine waters of Iraq.



- Excellent knowledge and experience in fisheries sector of Iraq.
- Excellent experience and knowledge in the fish fauna of the seas around the Arabian Peninsula.
- Excellent experience in teaching ichthyology and fish taxonomy
- Member of the overseas editorial board of the scientific journal
- Marina Mesopotamica published on line by Iowa State University, U.S.A.
- A contributor to the on line course” Restoration of the southern Iraqi marshes” organised by Iowa State University, U.S.A.
- Extensive experience in Osteology, Lepidology and Otolith morphology
- Good knowledge of Phylogenetics
- Extensive experience in biological systematics
- Good understanding of preparation and allocation of staff duties
- Familiar with requirements for import/ export of collection material
- My name is included in the roster of experts of the FAO
- Attendance at International and National Conferences
- Referral experience for scientific journals.
- Experienced lecturer in the field of fisheries sciences at various universities.
- Excellent researcher in the field of ichthyology.
- Well experience in organising symposiums and meetings in the Middle East.

Personal Attributes

- Attention to detail
- Excellent customer service ability in dealing with a diverse range of staff, community groups and public inquiry and a desire to help or serve others, to meet their needs.
- The ability to communicate and negotiate effectively in written and oral form.
- Ability to set and meet priorities and deadlines.
- Able to work unsupervised with initiative and within a team framework.
- Ability to diagnose problems and provide an appropriate solutions (Analytical Thinking/Problem solving).
- Familiar with the commercial orientation.
- Experience in purchasing of scientific and laboratory needs.
- High performance in budgetary management.
- Familiar in making recommendations and putting action in place to prevent repetition.
- Ability to give constructive criticism and holding people accountable.
- Ability to lead others and intention to take role as leader.
- Intention to adapt the learning or development of others.
- Contributes to discussion and development of ideas with colleagues.
- High level of curiosity and desire to know more about things, people or issues.
- Clean driver licence.

Information Management

- Experienced in cross referencing and verification of data between manual and electronic databases.
- Production of clear and concise reports.
- Working knowledge of a variety of scientific databases.
- Familiar with a range of statistical analysis.
- Familiar in data analysis.

Communication Skills

- International and national contacts in associated fields.
- Ongoing development and maintenance of relationships with broad range of customers both internally and externally.
- Publication of books internationally.
- Proven success in customer service.
- Ability to conduct investigations and draw conclusions.
- Ability to respond immediately.
- Fluent in many languages (English and Arabic).
- Public publication of community and scientific journals

Employment History

Freelance Aquatic Biodiversity Consultant January 2013-Until now

Fish Biodiversity Expert and Consultant, August 2008-Nov 2012
Marine Science and Fisheries Centre,
Ministry of Agriculture and Fisheries Wealth,
Muscat, Sultanate of Oman

NIWA, Team member, Fish identification responsible,
Biodiversity and Biosecurity Group



National Institute of Water and
Atmospheric Research Ltd

March 2006-JUNE2008

Laboratory Manager

Museum of New Zealand Te Papa Tongarewa May2003 – June 2005

Research Assistant

School of Biological Sciences, Auckland University 1997-2003

Voluntary work

National Institute of Water and Atmosphere, Auckland 2003

Assistant Professor

Garyounis University, Libya 1994-1997

Research Assistant

Sana'a University, Yemen 1993-1994

Assistant Professor

Basrah University, Iraq 1983-1993

Lecturer

Basrah University, Iraq 1980-1983

Qualifications

Master of Science Fish Taxonomy & Biology

Bristol University, England 1980

Bachelor of Zoological Sciences

Basrah University, Iraq 1971

Detailed CV

Employment History

Freelance aquatic Biodiversity consultant January 2013-Until now

Fish Biodiversity Expert and Consultant, August 2008-Nov 2012
Marine Science and Fisheries Centre,
Ministry of Agriculture and Fisheries Wealth,
Muscat,
Sultanate of Oman

NIWA, Team member, Fish identification responsible,
Biodiversity and Biosecurity Group
National Institute of Water and
Atmospheric Research Ltd March 2006-June 2008

Museum of New Zealand, Te Papa
Laboratories Manager May2003-June 2005

Leigh Marine Laboratory, Research Assistant
University of Auckland Waikato Regional Council Project
Oct.2002- Dec2002 “Separation and Identification of macrobenthos
fauna of Thames estuary”.
Supervisor: Dr. Richard Ford.

School of Biological Sciences Teaching Assistant.
University of Auckland The purpose of this job was to aid in the
1997- 2003 practical teaching of students taking in
papers in:
New Zealand Ecology and conservation.
Animal function and design.
Fish Biology.
Demonstration included giving full practical aid
And information to students in the laboratory.

Department of zoology
Faculty of Science
Garyounis University
Benghazi, Libya
1994-1997

Lecturer

Responsibilities

- Teaching theoretical and practical subjects.
- Supervising postgraduate students.
- Research and manage projects for publication.

Department of Marine
Sciences
Faculty of Science
Sana'a University
Sana'a
Republic of Yemen

Researcher

Responsibilities

- Research and manage projects for publication.

Marine Science Centre
University of Basrah
Basrah, Iraq
1991-1993

Assistant Professor

Responsibilities

- Teach theory and practical subjects
- Supervise postgraduate students
- Research and manage projects for publication
- Head of Marine Data Unit

Department of Fisheries
And Marine Resources
University of Basrah
Basrah, Iraq

Assistant Professor

Responsibilities

- Teach Theory and practical
- Supervise postgraduate students
- Research and publication manager

Marine Science Centre
University of Basrah
Basrah, Iraq
1981-1986

Lecturer and Assistant Professor

Responsibilities

- Teach theory and practical subjects.
- Supervise postgraduate students.
- Research and publication manager

Zoology Department
University of Bristol
common goby, *Pomatoschistus microps*.
Bristol, England

Postgraduate Student (M. Sc.)

Project title: Intraspecific variation in the

1975-1980

Department of Biology
College of Science
University of Basrah
Basrah, Iraq

Tutor
Responsibilities
 Teaching in the practical sessions.

1971-1975

Short term Employment

National Institute for
Water and Atmospheric
Research (NIWA)
Auckland, New Zealand
Two Days
17 & 18th. Aug. 2001

Research Assistant
 Aid in the identification of fish specimens.

Supervisor: Dr. Mark Morrison.

Kuwait Institute for
Scientific Research
(KISR)
publication.
Kuwait
March- April, 1980.

Associate Researcher
Responsibilities:
 Research and manage projects for

Education

Bristol University
England
variation

M.Sc. Fish Taxonomy & Biology
During my M.Sc., I studied the intraspecific
of the common Goby, *Pomatoschistus microps*.

This study was supported by the electrophoretic technique using enzyme polymorphism and the morphological characters such as the meristic characters. The aim of this work is to study the population structure of the common goby fish around the British Isles.

Basrah University
Basrah, Iraq
zoological
chemistry.

Bachelor of Science (Zoology)
Studied a wide spectrum of courses in the
Biological sciences together with basic

Wellington, New Zealand Hazardous Substances Advisers training Course
20-22 May 2003

M.Sc. Thesis Supervised by L.A. Jawad

1. Thesis title: The osteology of few members of the family Cyprinidae collected from Basrah waters, Iraq. College of Science, University of Basrah, Iraq, 1987.
2. Thesis title: Morphological study of the caudal skeleton of some commercial fishes collected from Benghazi, Libya. Garyounis University, Libya, 1997.

Editorial

- Member of the editorial board of Marina Mesopotamica, Iraq, 1984-1986, 1991-1993, Marine Science Centre, Basrah University, Iraq.
- Member of the editorial board of the Bulletin of Basrah Natural History, Museum University of Basrah, Iraq, 1980-1993.
- Editor of the publication of the Marine Science Centre, Basrah University, Basrah, Iraq, 1992-1993.

□ Member of the editorial board of Acta Biologica Turcica, Turkish Biological Society since 2010.

□ Member of the editorial board of The Open Conservation Biology Journal since 2007.

Scientific papers reviewing

Several scientific papers were reviewed for different fish journals as shown in the following link:

<https://publons.com/dashboard/reviewer/#review-history>

Sabbatical Leave

- Department of Malacology, Paris Natural History Museum. Duties: Identification of the sea shell specimens being collected from Iraqi marine waters and the Arabian Gulf, Sept. 1982 (One month).
- Department of Ichthyology, Senckenberg Museum, Frankfurt, Germany. Duties: Participation in three research projects on the freshwater fishes of Iraq. Oct.-Nov. 1988 (Two months).

Contribution in organising symposium and meetings

- First Symposium on the Oceanography in the Arabian Gulf, Baghdad, Iraq, Jan., 14-16, 1985.
- Conference on the oil pollution in the Arabian Gulf. Basrah, Iraq, 28-30, 1993.

Conferences attended



- Ocean 81 Conference. Boston, U.S.A., Sept. 1981.
- Coastal Management Conference, Jeddah, Saudi Arabia, Oct. 1981.
- Finfish Fisheries Conference, Kuwait, Nov. 1982.
- Italian Zoological Society conference, Padova, Italy, August 1984.
- Iraq Marsh Area Management Conference, FAO, Iraq, 1986.

Management

- Head of fish Section, Marine Science Centre, University of Basrah, Basrah, Iraq, 1980-1982.
- Head of the Marine data unit, Marine Science Centre, 1982-1993.
- Head of fish Section, Marine Science Centre, 1984 -1985.
- Co-project leader, " Fish fauna of the Shatt al-Arab River and Khor al-Zubair area, North West region of the Arabian Gulf. Marine Science Centre, 1984-1986.
- Co-project leader, " The biology of the migratory fish *Tenualosa ilisha* in the marsh area of Iraq. Joint Research project between Kuwait Institute for Scientific Research and the Department of the Fisheries and Marine Resources, College of Agriculture, University of Basrah, Basrah, Iraq, 1986-1988.

Book Published

- Atlas of chordates anatomy, University of Basrah Press, 1983 (In Arabic).
- The Evolution, University of Basrah Press, 1985 (In Arabic).
- Aquatic Ecology, University of Basrah Press, 1986 (In Arabic).
- Arabian Gulf: Selected scientific studies, 1993 (In Arabic).



Iraqi Marine Waters in the publications of the Marine Science Centre, Part 1&2, 1993 (editor).

Shatt al-Arab River in the publication of the Marine Science Centre, Part 1&2, 1993 (Editor).

Other Relevant Skills

Languages: Excellent speaker of English and Arabic.

Computing: Familiar with MS Word and Internet Technology and other computers skills.

Interests/ Hobbies

Reading

Gardening

Publications

(1) Al-Hassan, L.A.J. (1982). The use of electrophoresis in the identification of fish Stock and its future application in the Arabian Gulf. J. Fac. Mar. Sci., Jeddah, 2:81-84.

(2) Al-Hassan, L.A.J. (1982). Vertebral abnormalities in fishes from Iraq and UAE, Arabian Gulf. Iraqi J. Mar. Sci., 1:13-23.

(3) Al-Hassan, L.A.J. (1983). Vertebral abnormalities in *Mesopotamichthys sharpeyi* and *Carasobarbus luteus* (Pisces: Cyprinidae) from Basrah, Iraq. *Cybium*, 7(1): 7-10.

(4) Al-Hassan, L.A.J. (1984). Meristic comparison of *Liza abu* from Basrah, Iraq and Karkheh River, Arabistan, Iran. *Cybium*, 8(3): 107-108.

(5) Al-Hassan, L.A.J. (1984). Comparative electrophoretic studies of muscle and eye lens proteins in freshwater fish of Iraq. *Biochemical Systematic & Ecology*, 12(2); 205-208.

(6) Al-Hassan, L.A.J. and Al-Hassani, Z.I. (1985). New records of marine mollusca from Khor Abdullah, Iraq. *The Nautilus*, 99(1); 20-21.

(7) Al-Hassan, L.A.J. and Hussain, N.A. (1985). Hydrological parameters influencing the penetration of Arabian Gulf fishes into the Shatt al-Arab river, Iraq. *Cybium*, 9(1): 7-16.

(8) Al-Hassan, L.A.J. and Mohamed, S.T. (1985). Phosphoglucose isomerase polymorphism in the shrimp, *Metapenaeus affinis*. *Biochemical Systematic and Ecology*, 13(1): 41-43.

(9) Al-Hassan, L.A.J. (1985). Phosphoglucose isomerase and phosphoglucose mutase isozymes in some freshwater fishes from Basrah, Iraq. *Biochemical Systematic & Ecology*, 13(3): 319-323.

(10) Al-Hassan, L.A.J. and Soud, K.D. (1985). Phenotypes of phosphoglucose isomerase, phosphoglucose mutase and general protein some freshwater molluscs from Basrah, Iraq. *Biochemical Systematic & Ecology*, 13(3):319-323.

(11) Al-Hassan, L.A.J. (1985). A study on phosphoglucose isomerase enzyme in some elasmobranch fishes collected from Khor al-Zubair, northwest of the Arabian Gulf, Iraq. *Comp. Biochemical Physiol.*, 82B (2): 371-374.

(12) Al-Hassan, L.A.J. (1985). Vertebral anomalies in *Gambusia affinis* (Bairdand Girard) (Teleostei: Poeciliidae) collected from Basrah and Baghdad, Iraq. *Pakistan J. Zool.*, 17(2): 169-171.

- (13) **Al-Hassan, L.A.J. (1985).** Comparative electrophoretic studies of muscle, eye and heart proteins in fishes from the Arabian Gulf. *Biochemical Systematic and Ecology*, 13(4): 477-482.
- (14) **Al-Hassan, L.A.J. (1985).** Phosphoglucose isomerase isozymes in teleostean fishes from the Arabian Gulf. *Biochemical Systematic & Ecology*, 13(4): 483-487.
- (15) **Al-Hassan, L.A.J. and Al-Badri, M.E.H. (1986).** First record of some fishes From Khor al-Zubair, Khor Abdullah and Shatt al-Arab River, Basrah, Iraq. *Cybiurn*, 10(3): 295-297.
- (16) **Al-Hassan, L.A.J., Mahdi, A.A. and Ibrahim, L.L. (1986).** Electrophoretic variation of phosphoglucose mutase, tetrazolium oxidase and glucose-6-phosphate enzymes in some fishes from the Arabian Gulf. *Cybiurn*, 10(2): 177-185.
- (17) **Al-Hassan, L.A.J., Al-Saboonchi, A.A. and Binayan, L.A.A. (1986).** A record size cyprinid fish, *Barbus xanthopterus* (Heckel) from Shatt al-Arab River, Basrah, Iraq. *Cybiurn*, 10(2): 204.
- (18) **Al-Hassan, L.A.J. and Muhsin, K.A. (1986).** The presence of *Carasobarbus luteus* (Heckel, 1843) and *Heteropneustes fossilis* (Bloch, 1797) in Khor Al-Zubair, north west of the Arabian Gulf, Basrah, Iraq. *Zoology in the Middle East*, 1: 116-118.
- (19) **Al-Hassan, L.A.J. and Na'ama, A.K. (1986).** New record of some Arabian Gulf fishes in freshwater systems of Iraq. *Basrah nat. Hist. Mus. Bull.* 6:35-40.
- (20) **Al-Hassan, L.A.J. and Na'ama, A.K. (1986).** More vertebral anomalies in Fishes from Euphrates River, Iraq. *Indian J. Fisheries*, 33(2): 237-241.
- (21) **Al-Hassan, L.A.J. and Mahdi, A.A. (1987).** Enzyme polymorphism in the mullet, *Liza dussumeiri* from Shatt al-Arab, Khor al-Zubair and the Arab Gulf.. *Biochemical Systematic & Ecology*, 15(2): 269-272.
- (22) **Al-Hassan, L.A.J. (1987).** Vertebral anomalies in fishes collected from Iraq and Arabistan, Iran. *Pakistan J. Zool.* 19(1); 93-95.

(23) Al-Hassan, L.A.J. (1987). Comparison of meristic characters of mosquito fish *Gambusia affinis* (Baird & Girard) from Basrah and Baghdad, Iraq. Pakistan J. Zool., 19(1): 69-74.

(24) Al-Hassan, L.A.J. and Yousif, Y.Y. (1987). Phosphoglucose isomerase polymorphism in the freshwater Crab, *Sesarma bouleengeri*. Biochemical Systematic & Ecology, 15(4):487-488.

(25) Al-Hassan, L.A.J. (1987). Variation in meristic characters of *Nematalosa Nasus* (Bloch, 1795) from Iraqi and Kuwaiti waters. Japanese J. Ichthyology, 33(4): 422-425.

(26) Al-Hassan, L.A.J. (1987). The common seashells of the Arabian Gulf (In Arabic). The Arab Gulf Studies Centre, Bull., 19(3):231-238.

(27) Al-Hassan, L.A.J. and Miller, P.J. (1987). *Rhinogobius bruneus* (Teleostei: Gobiidae) in the Arabian Gulf. Japanese J. Ichthyology, 33(4): 405-408.

(28) Al-Hassan, L.A.J., Webb, C.J., Giama, M. and Miller, P.J. (1987). Phosphoglucose isomerase polymorphism in the common Goby, *Pomatoschistus microps* (Kroyer) (Teleostei: Gobiidae) around the British Isles. J. Fish Biol., 30:281-298.

(29) Al-Hassan, L.A.J. and Muhsin, K.A. (1987). On the collection of the fishes from the lower reaches of Diyala River, Iraq. Polish Arch. Hydrobiologii, 35(2); 201-203.

(30) Al-Abood, A.Y. and Al-Hassan, L.A.J. (1988). Haematocrit values for some freshwater fishes in Iraq. Basrah J. Agricultural Sciences 1(1): 31-34.

(31) Al-Hassan, L.A.J. and Al-Abood, A.Y. (1988). Haemoglobin concentration in some freshwater fishes of Iraq. Cybium, 12(1): 17-21.

(32) Al-Hassan, L.A.J. and Elias, N.H. (1988). Isoenzymes of cyprinids from the vicinity of Basrah in relation to classification. Biochemical Systematic & Ecology, 16(2): 223-226.

- (33) **Al-Hassan, L.A.J. and Al-Hassani, Z.I. (1988).** Mosquito fish, *Gambusia affinis* as an eradication vector of malaria: A review. Bull. Endemic Diseases, 29: 27-37.
- (34) **Coad, B. and Al-Hassan, L.A.J. (1988).** A bibliography of the fishes of the Tigris-Euphrates basin. Max Kasperek Verlag. Heidelberg, 54pp.
- (35) **Al-Hassan, L.A.J. (1988).** Genetic variation and population structure in *Nematalosa nasus* and *Thryssa hamiltonii* from Iraqi waters. Bull. Mus.reg. Sci. nat. Torino, 6(2); 636-646.
- (36) **Coad, B. and Al-Hassan, L.A.J. (1989).** Freshwater shark attack at Basrah, Iraq. Zoology in the Middle East, 3:49-53.
- (37) **Saleem, S.D., Al-Hassan, L.A.J. and Melkonian, M.K. (1989).** Morphological variance and enzyme heterozygosity in *Eleutheronema tetradactylum* and *Strongylura strongylura* collected from Khor al-Zubair area, North West of the Arabian Gulf. Biochemical Systematic & Ecology, 4:341-344.
- (38) **Al-Hassan, L.A.J. and Na'ama, A.K. (1988).** A case of pugheadness in the croaker, *Johnius aneus* from Khor al-Zubair, northwest of the Arabian Gulf, Iraq. Indian J. Fisheries, 35(1):68-69.
- (39) **Hussain, N.A., Na'ama, A.K. and Al-Hassan, L.A.J. (1988).** Annotated Check-list of the fish fauna of Khor al-Zubair, North West of the Arabian Gulf, Iraq. Acta Ichthyologica et Piscatoria, 18(1):17-24.
- (40) **Na'ama, A.K. and Al-Hassan, L.A.J. (1988).** Note on the potential brood size of mosquito fish, *Gambusia affinis* (Baird & Girard) collected from Iraq and Egypt (Pisces). Museo Regionale di Scienze Naturali, 7(1):117-123.
- (41) **Al-Hassan, L. A. J., Hussain, N.A. and Soud, K.D. (1989).** A preliminary, annotated check-list of the fishes of Shatt al-Arab River, Basrah, Iraq. Polskie Archiwum Hydrbiologii, 36(2): 283-288.
- (42) **Al-Hassan, L.A.J. and Saleem, S.D. (1989).** Lack of relationship between Morphological variability and enzyme heterozygosity in some

members of the order Clupeiformes collected from Basrah, Iraq. *Rivista di Idrobiologia*, 28(1-2): 189-198.

(43) Saleem, S.D., Al-Hassan, L.A.J. and Melkonian, M.K. (1990). The eye lens weight and age in some fish species collected from Basrah waters, Iraq. Proceeding of the 15th. International Conf. Statistics, Computer Science, Social and Demographic Research, Cairo, Egypt, 17-22.

(44) AL-Hassan, L.A.J. (1990). Phosphoglucomutase, superoxide dismutase and glucose-6-phosphate dehydrogenase in fish collected from Iraq and Kuwait: a comparative study. *Comp. Biochem. Physiol.*, 97B (3): 461-466.

(45) Al-Hassan, L.A.J. (1990). Genetic and morphological variation in *Acanthopagrus latus* (Sparidae) in Iraq. *Asian Fisheries Science*, 3:269-273.

(46) AL-Hassan, L.A.J., Al-Abood, A.Y. and Al-Sayab, A.A. (1990). Seasonal variation in the haemoglobin concentration and haematocrit values of *Silurus triostegus*. *Acta Ichthyologica et Piscatoria*, 20(1):99-103.

(47) Al-Badri, M.E.H., Mohamed, S.T. and Al-Hassan, L.A.J. (1990). Proportion of red muscle fibres and variation in the vertebral column of some members of the family Cyprinidae. *Marina Mesopotamica*, 5(1):153-165.

(48) Al-Hassan, L.A.J., Al-Dubaikel, A.Y., Wahab, N.K. and Al-Daham, N.K. (1990). Asymmetry analysis in the catfish, *Heteropneustes fossilis* collected from Shatt al-Arab River, Basrah, Iraq. *Rivista di Idrobiologia*, 29(3); 775-780.

(49) Al-Hassan, L.A.J. (1990). Phosphoglucomutase, superoxide dismutase, and glucose 6-phosphate dehydrogenase in fish collected from Iraq and Kuwait-A comparative study. *Comp. Biochem. Physiol.* 97B (3): 461-465.

(50) Al-Hassan, L.A.J., Al-Daham. N.K. and Hassan, S.S. (1991). Eye lens as an age indicator in *Mystus pelusius* (Bagridae). *Cybiurn*, 15(2): 171-172.

- (51) **Al-Hassan, L.A.J, Al-Dubaikel, A.Y. and Wahab, N.K. (1992).** Ocular lens diameter as an age indicator in two teleost fishes. *Acta Hydrobiol.*, 34(3): 275-279.
- (52) **Al-Hassan, L.A.J. and Abdullah, J.N. (1992).** The effect of formalin and freezing on some body proportions of *Barbus luteus*. *Pakistan J. Zoology*, 24(4):353-354.
- (53) **Al-Hassan, L.A.J. and Al-Sayab, A.A. (1992).** A record size mugilid fish *Liza subviridis* (Valenciennes, 1836) from the marsh area southern part of Iraq. *Pakistan J. Zoology*, 24(4): 354-355.
- (54) **Krupp, F., Al-Hassan, L.A.J. and Ziegler, T. (1992).** A possible natural hybrid of *Acanthobrama marmid* and *Alburnus mossulensis* from Haur Al-Hammar, southern Iraq (Pisces: Osteichthyes: Cyprinidae). *Senckenbergiana biologica*, 72(4/6):219-223.
- (55) **Melkonian, M.K., Al-Hassan, L.A.J. and Saleem, S.D. (1993).** Lack of relationship between morphological variance and enzyme heterozygosity in two species of migratory fish from Basrah waters, Iraq. *Mu'tah J. for Research Studies, Jordan*, 8(3): 39-51.
- (56) **Al-Hassan, L.A.J. (1993).** Additional synopsis of biological data on *Tenualosa ilisha*. *Marina Mesopotamica, Suppl.*,2: 1-23.
- (57) **Al-Hassan, L.A.J., Saleem, S.D. and Melkonian, M.K. (1993).** Effect of freezing, formalin and alcohol on some body proportions of the clupeid fish, *Nematalosa nasus* collected from Khor al-Zubair area (north west region of the Arabian Gulf). *Acta Hydrobiologica*, 35(2):179-183.
- (58) **Al-Hassan, L.A.J., Hassan, H.K. and Majeed, S.A. (1993).** Some haematological parameters in relation to the biology of the fish *Acanthopagrus latus*. *J. Environmental Sci. Health*, A28 (7): 1599-1611.
- (59) **Mohamed, A.R.M., Al-Hassan, L.A.J. and Ali, T.S. (1993).** The presence of a cyprinid fish, *Barbus luteus* in marine waters of Iraq. *Arquivos do Museu Bocage, Nova Serie*, 25:415-416.

- (60) Al-Hassan, L.A.J. and Al-Sayab, A.A. (1994). Eye lens diameter as an age indicator in the catfish, *Silurus triostegus*. Pakistan J. Zoology, 26(1):81-82.
- (61) Al-Hassan, L.A.J. (1994). The silver carp, *Hypophthalmichthys molitrix* (Cyprinidae) in the Shatt al-Arab River, Iraq. Cybium, 18(2):204.
- (62) Al-Hassan, L.A.J. and Al-Abood, A.Y. (1994). Differential blood cell counts of three species of freshwater fishes from Basrah, Iraq. Pakistan J. Zoology, 26(3): 278-280.
- (63) Al-Hassan, L.A.J. and Hassan, S.S. (1994). Asymmetry study in *Mystus pelusius* collected from Shatt al-Arab River, Basrah, Iraq. Pakistan J. Zoology, 26(3); 276-278.
- (64) Fricke, R. and Al-Hassan, L.A.J. (1995). *Raja pita*, a new species of skate from the Arabian Gulf (Elasmobranchii: Rajiformes). Stuttgart Beitr Naturk Ser. A (nr.52a), 85:1-8.
- (65) Al-Hassan, L.A.J., Fareed, K.H. and Azab, A.M. (1997). Some vertebral anomalies in fishes collected from the Republic of Yemen. Pakistan J. Zoology, 29(3):302-304.
- (66) Al-Hassan, L.A.J. and Shwafi, N.A. (1997). Studies on the caudal vertebrae of the teleost fishes, *Pristipomoides multidentis* and *Tylosurus choram*. Pakistan J. Zoology, 29(4):329-333.
- (67) Al-Hassan, L.A.J. and Shwafi, N.A. (1997). The effect of preservatives and freezing on the morphological characters of *Rastrelliger kanagurta* (Pisces: Scombridae). J Anim. Morphol. Physiol., 44(1):17-20.
- (68) Al-Hassan, L.A.J. and Shawafi, N.A. (1997). Asymmetry analysis in two teleost fishes collected from the Red Sea coast of Yemen. Pakistan J. Zoology, 29(1):23-25.
- (69) Heba, H.M., Al-Hassan, L.A.J. and Fareed, K.H. (1998). Some commercial fishes collected from the Red Sea coast of Yemen. Bol. R. Soc.Esp. Hist. Nat. (Sec. Biol.), 94(1-2):63-66.

- (70) **Al-Hassan, L.A.J. and El-Silini, O.A. (1998).** Additional records of fish abnormalities from Benghazi, Libya. *Pakistan J. Zoology*, 30(3):266-269.
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