

## C.V

**Name:** : Nuha Joseph Najeb Qandala

Date of Birth: 1966

**Religion :** Christian

Martial statues: Married

**Specialization:** Microbiology\ Molecular Genetics

**Position:** : Teaching

**Scientific Degree:** Assistant Professor

**Work Address:** Department of Biotechnology, College of Science, University of Baghdad. Baghdad- Iraq (Al- Jadriya campus).

**languages:** Arabic and English

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### **Scientific Certification:**

Degree science	University	College	Date
B.Sc.	.(Al-Mustansiriya University	College of Science	, 1988
M.Sc.	.(Al-Mustansiriya University	College of Science	1996
Ph.D.	Al-Mustansiriya University	College of Science	2006

No.	Career	Workplace	From -To
1	Tutor	Biology Department, College of Science, Al Mustansiriya University.	1989-1993
2	M.Sc. student	Biology Department, College of Science, Al Mustansiriya University.	1994-1996
3	Assistant lecturer	Biology Department-College of Science /Al Mustansiriya University.	1996-2002
4	instructor	Biology Department- College of Science- Al Mustansiriya University.	2002
5	Ph.D. student	Biology Department- College of Science- Al Mustansiriya University.	2002-2006
6	Assistant Professor	Biotechnology Department- College of Science- Baghdad University.	2008-2012 Till now



### University Teaching.

No.	University	The (Institute / College)	From -To
1	Al Mustansiriya University.	Biology Department- College of Science-	1989-2008
2	- Baghdad University	Biotechnology Department- College of Science-	2008- Till now

, **Courses Teaching:**

No.	Department	Subject	Year
1	Biology Department- College of Science- Al Mustansiriya University.	Immunology, Parasitology and Invertebrate, Bacterial Physiology. Food and Industrial Microbiology, Soil Microbiology and Sewage, Antibiotics. Medical Microbiology.	1989-1993
2	Biology Department- College of Science- Al Mustansiriya	Molecular Biology, Antibiotics, Microbiology	1996-2002
3	Biology Department- College of Science- Al Mustansiriya	Molecular Biology, Medical Microbiology, Antibiotics	2006-2008
4	Biotechnology Department- College of Science- Baghdad University	Molecular biology \ lab Molecular biology. Microbial genetics Lab Microbial genetics	2008-2013
5	Laser institute	Advanced Biotechnology	2012
6	Biotechnology department	Advanced Microbial Genetics	2013-2017

■ **Conferences participation:**

N	Conferences Title	Year	Place	Type of
1	The 4 <sup>th</sup> Scientific conference of Science	October, 21-22-1997.	college of Science/ Al-Mustansiriya University,	Participated in research
2	The 5 <sup>th</sup> Scientific conference, college of science,	, October 23-24, 2001	College of science, Al-Mustansiriya University	Participated in research

3	The 2 <sup>nd</sup> international conference on Biological Science (ICBS)	April 27-28-2002.	.Tanta University / Egypt.	Participated in research
4	The conference of union of Arab Biologist.	September/1-6.2002.	Halab. Syrian Arab republic	(Acceptance latter).
5	The 2 <sup>nd</sup> National conference of Biology	December 25-26, 2002.	Al- Mustansiriya University/	Participated in research
6	The 4 <sup>th</sup> conference on scientific Research Outlook and Technology Development in the Arab World.	December 11-14, 2006..	Damascus / Syrian.	Participated in research
7	The 5 <sup>th</sup> conference on scientific Research Outlook and Technology Development in the Arab World.	October 26-30. 2008	Morocco / Vas	(Acceptance latter)..
8	The first conference of Biotechnology Research center	2008.	Al-Nahrain University . Bagadad – Iraq.	Participated in research
9	The second conference of Biotechnology Research center	2010	Al-Nahrain University . Bagadad – Iraq.	present
10	The second scientific conference of institute of genetic engineering and biotechnology /	2008	genetic engineering and biotechnology / Baghdad university	Participated in research
11	The 3rd scientific conference of the faculty of Science- Baghdad University.	2009	College of science \ Baghdad university.	Member in scientific committee for conference

11	The third conference of Kurdistan for biological science	2010	Duhok University- Iraq	Participated in research
12	The first scientific conference for Iraqi woman.	2010	College of science for woman\ Baghdad university	Participated in research
13	The first scientific conference for pharmaceuticals	1-11-2010	College of pharmaceuticals\ Al- Mustansiriya University/	Participated in research
14	The 6 <sup>h</sup> Scientific conference of Science	2-4-2010	College of science \ Al- Mustansiriya University	Present
15	The 7 <sup>h</sup> Scientific conference of Science	2011	College of science \ Al- Mustansiriya University	Participated in research
	The first international scientific conference of institute of genetic engineering and biotechnology /	23-24-11-2011	genetic engineering and biotechnology / Baghdad university	Participated in research
16	the 5 <sup>TH</sup> International conference on Horizon for Sustainable Development in Arab and African countries	17-20-12-2011	Egypt / Sharm El- Sheikh	Participated in research
17	The first conference of Biology	2012	Biology department \ college of science	Present
18	The fourth conference of Kurdistan for biological science	2012	Duhok University- Iraq	Present
19	The first international scientific conference .	23-25\4\2013	Zakho University- Iraq	Participated in research
20	Iraqi Biotechnology conference	7-9\5\2013	Baghdad \Iraq\ green zone	Participated
21	The first international scientific conference	20-21\4\2014	Cihan University- Iraq	Participated

22	The first international scientific conference / Faculty of Veterinary Medicine	14-15/5/2014	Ministry of Higher Education & Scientific Research, University of Duhok	Present
23	The third international scientific conference / of institute of laser for post graduated studies	6-7/10/2015	institute of laser for post graduated studies/Baghdad university	Present
24	The Second international scientific conference for cancer researches	10-11/10/2014	genetic engineering and biotechnology / Baghdad university	Present
25	The Third international scientific conference for medical and scientific researches	23-24/3/2016	In ministry of health	Present
26	Cemented higher education in Iraq conference	20-21/1/2016	In Al- Hakim hall in Baghdad University	Present
27	The third scientific conference of Al kindy college of medicine	2-3/3/2016	In Babel hotel	Present
28	Palm Research Unit, Faculty of Agriculture, dates	10-1/2016	Ibn Rushd Hall	Present
29	The Third feminist scientific conference for Iraqi women /	7-8/12/2016	In Al-Hakim hall \ Baghdad University	Present
30	Work shop about Gene therapy	14-4-2016	In college of science for women	As a Lectural
31	Work shop about Biosecurity and Biosafety hazard in laboratory	4-7/9/2016	In Al- Idrissi hall \ Baghdad University	As a Lectural
32	Symposium about the early diagnosis of breast cancer	2016	Al- kawerzmy engineering \ university of Baghdad	Present
33	Symposium about the Biohazard of ionized radiation	2/1/2017	Al- kawerzmy engineering \ university of Baghdad	Present

### Technical experience:

- 1- Diagnosis of different microorganisms (Bacteria, parasite fungi) starting from microscopically examination, culturing commercially, available media and synthetic media under different conditions. Serotyping, scheme typing and AntibioGram.

- 2- Molecular techniques starting from extraction and purification of DNA. Gel electrophoresis, conjugation, spectrum absorbency, Annealing TM, currying, protein profile by using the PAGE (poly acrylamide gel electrophoresis).PCR Techniques .RT-PCR technique. Sequencing using genetic analyzer .
- 3- DNA markers detection based on polymerase chain reaction (PCR). Random amplified polymorphic DNA Rapid.
- 4- Detection of P I (isoelectric point) for Protein, enzyme.
- 5- Detection of Molecular weight by using the PAGE.
- 6- Purification by using the Gel filtration and Ion exchange.

### **Training workshop :**

- 1- Medical Bacteriology Diagnosis. (two month) Al-Yarmuk Scientific Hospital. 2002.
- 2- Participation in a Cycle for learn computer (2002).
- 3- Participation in a Cycle for developing teaching method(2002).
- 4- Human & Animal Tissue Culture. (One week). Iraqi Center for Cancer and Medical Genetics Research's. / Al-Mustansiriya University.2005
- 5- Participation in a Cycle for PCR Technologist . (One week). The Center of Biotechnology Research's / Al – Nahrain University.2006
- 6- Cycle for learning English (level A). 2009
- 7- Participation in a Cycle for Principles and Applications of Real –Time PCR .(one week). The Center of Biotechnology Research's / Al – Nahrain University.2012
- 8- Participation in a Cycle for Principles and Applications of Flow cytometry .(one week). The Center of Biotechnology Research's / Al – Nahrain University.2012
- 9- participate in a PCR cycle that hold in college of science.2-5-7-2012. by CRDF GLOBAL.
- 10- Participate in a Primer designee cycle that hold in The Center of Biotechnology Research's / Al – Nahrain University.2013
- 11- Participate in a cycle for reading the sequence of nitrogen bases using genetic analyzer that hold in The Forensic DNA Center for Research and Training/ Al – Nahrain University. (6-10 / 10 / 2013).

12- Participate in a cycle for IBM SPSS Level1 that hold in computer center in Baghdad university from (1-12/ 12/2013) .

13-Participate in a cycle for Advanced Course on Detection of DNA Damage in Human Cells f Using Comet Assay or that hold in the Institute of Genetic Engineering and Biotechnology for Post Graduate Studies -Branch of Genetic Engineering at 3 – 7 / 5 /2015

14-Participate in a workshop for Alternative and modern methods in the treatment of diseases that hold in the college of science at 14 / 4/2016.Participate as a lectured in lecture titled ( Gene therapy ) .

15-Participate in a workshop for Biosafety Hazared that hold in the college of science in Al Idrissi hall by CRDF at 4 – 7 / 9/2016.Participate as a Training in lecture titled (Epidemiology biohazard ) .

### **Others Activities :**

#### **■ Within the College**

**1-** member in the exam committee

**2-** member in the Quality Assurance and Accreditation committee

**3-**Join of the 2<sup>nd</sup> scientific preparatory conference \ College of Science- Al Mustansiriya University. 1992

**4-** Join the 2<sup>nd</sup> regional preparatory conference of Biology - Al Mustansiriya University. 2002

**5-** Join the executive committee of the 3<sup>rd</sup> scientific conference of the faculty of Science- Baghdad University. 2009.

**6-** Evaluation the promotion researches to instructor

**7-** Supervision a project research of the 4<sup>th</sup> stage student under graduated ( 28 project ).

**8-** Supervision a project research of the M.Sc. student (10 project ).

**9-** Evaluation the promotion researches in different scientific researches.



**10-** Member in the committee to discuss the Master degree students and Ph.D degree students. (30 ).

**11-** Member in the several committee to discuss the plans for Master degree student s and Ph.D degree students.

**12-** Member in the several committee for winking out researches for scientific promotion

**13-**Member in the Commission authoring Arabization of scientific and nourished.

**14-** Member in the Committee Educational Guidance for students of the endless rows( third class).

## Publications

No.	Research Title	Place of Publication	Year
1	Protein profiles of various <i>Streptomyces</i> isolates as a taxonomic mean	Iraqi J.Microbial	.1997.9(1):58-69.
2	Study the antimicrobial activity of thermotolerance <i>streptomyces</i> that isolated locally from Iraq's soil.	The 4 <sup>th</sup> Scientific conference college of Science/ Al-Mustansiriya University	1997
3	Antibiotic sensitivity of urinary pathogenic <i>E coli</i> isolated from pregnant women.	AL-Mustansiriya J. Sci	1999, 10(2):21-26.
4	Efficiency of three different methods for isolation of thermotolerent <i>Streptomyces</i> from Iraqi soils	Iraqi J. of science	2000, 12(2):1-19.

5	Study the antimicrobial activity of leaves extract isolated from plant <i>Hypericum triquetrifolium</i>	AL-Mustansiriya J. Sci	.2001,6(7):
6	The causative bacterial eye infections and their susceptibility to antibiotics.	AL-Mustansiriya J. Sci .	2002, 13(1): 19-29.
7	Growing of Streptomyces bacteria in locally preparation culture media and different artificial media, and study the antimicrobial activity against pathogenic bacteria.	AL-Mustansiriya J. Sci .	2002, 10(2): 109-126.
8	The usage extract of <i>Withania</i> plant as a selective natural media for molds.	2 <sup>nd</sup> National conference of Biology	2002
9	The effect of enterocin U36 produced by <i>Enterococcus faecalis</i> U36 against some food borne pathogenic bacteria .	Journal of Biotechnology Research center / Nahrain University	2010 2(1):
10	Study the Antimicrobial Activity of Leaves and Fruit Extract from <i>Withania somnifera</i> And use <i>Withania</i> extract as local media for fungi growth	.AL-Mustansiriya J. Sci	.2009 2(20):
11-	The effect of some inducer agent in increase the production of enterocin u36 produced by <i>Enterococcus faecalis</i> u36 that isolated from urinary tract infection	Baghdad science journal	2010 7(1):290-300
12	Inhibitory action of different leaves extracts of <i>Rosemarinus officinalis</i> against some pathogenic bacteria isolated from diarrhea cases	Journal of Duhok for biological science	2011 13(1):391-398

13	Detect for enterosin u36 production from <i>E. faecalis</i> isolated from different sources with some virulence factors and antibiotics resistance	Journal of genetic engineering and biotechnology /	2011 9(3): 642-656
14	The usage of $\beta$ -glucan which extracted from <i>Saccharomyces cerevisiae</i> yeast cells wall as Immunomodulator	Iraqi J.Microbial	52(2) :168-173 2011
15	Genetics Detection of Extended Spectrum Beta-Lactamase (ES $\beta$ L) and Klebocin Production from <i>Klebsiella pneumoniae</i> Local Isolates from Urinary Tract Infections	AL-Mustansiriya Journal of pharmaceuticals science	2011.9(1):21-42
16	The genetic inhibition of some pathogenic bacterial isolates related to Enterobacteriaceae by using Different leaves extracts of Cider (Nabag) <i>Zizyphus spina-christa</i>	Baghdad science journal	9(1): 93-103 .2012
17-	The effect of melatonin as antimicrobial agent against some pathogenic bacteria .	AL-Mustansiriya J. Sci	21(4):27-40 2011
18	Determination the optimal DNA extraction method from <i>Streptococcus mutans</i> biofilm formation that isolated from patients with caries active	The international journal of scientific Biotechnology	6(4): 53-65\ 2011.

19	The combined effect of Q-switched Nd:YAG laser (532nm) and Safranin O on the growth of <i>Pseudomonas aeruginosa</i> and its susceptibility to antibiotics and pyocyanin production .	Iraqi Journal of Laser	12:1812-1195
20	A comparison of different methods for RNA and DNA extraction from formalin-fixed paraffin-embedded tissues from different cancer samples	Journal of University of Zakho	Vol1(A),No.2, 2014
21	The effect of He-Na and Diode laser on genomic DNA extracted from <i>E.coli</i> isolates from different clinical sources	Iraqi Journal of Laser	Under publication
22	Extraction of Staphyloxanthin from <i>Staphylococcus aureus</i> Isolated from Clinical Sources to determine its Antibacterial Activity against Other Bacteria	Iraqi J.of science	Vol55(A),No.4 B,2014
23	<b>Detection of staphyloxanthin pigment production from <i>Staphylococcus aureus</i> using Real Time -PCR</b>	The first international conference of scientific Research/ Cihan University \2016	Acceptance letter
24	<b>Genotyping of <i>Staphylococcus aureus</i> Isolates Based on Methicillin-Resistance Genes and it's Relatedness to some Putative Virulence Factors</b>	The American journal of microbiology\ 2016	Under publication

25	<b>A Study of Allele Frequency by Using 15 Autosomal STR loci from Iraqi Christian Population</b>	Journal of genetic engineering and biotechnology /	Under publication
26	<b>Molecular And Bacteriological Detection Of Some Bacterial Vaginosis Associate Bacteria In Women.</b>	Iraqi J.of science /2016	27(3B): 1926-1936
27	<b>Molecular characteristics of multidrug resistant Acinetobacterbaumannii isolated from Baghdad hospitals</b>	Iraqi J.of science /2015	Vol56(A),No2 B,2015 Pp: 1394-1399
28	<b>Association of genetic polymorphisms is a sample of Iraqi patients with type 1 Diabetes mellitus</b>	Int.J Curr.Microbial.APP.Sci	5(7): 725-732.2016
29-	<b>Association of genetic polymorphisms in a sample of Iraqi patients with type 2 Diabetes mellitus</b>	Journal of genetic engineering and biotechnology /	Under publication
30	<b>Use multiplex PCR technique for distribution the accessory gene regulatory polymorphisms among clinical <i>S.aureus</i> isolates and its correlation to the cassette type .</b>	Int.J Curr.Microbial.APP.Sci	Acceptance letters

**Awards and Certificates of Appreciation:**

<b>No.</b>	<b>Name of Awards and Certificates</b>	<b>Donor</b>	<b>Year</b>
1	-Letters of thanks and estimation with financial reward for participation in the preparatory committee of the	\ Al Mustansiriya University\ college of	1992
2	Letters of thanks and estimation with financial reward for participation in the testing committee.	Al Mustansiriya \ University \college of Science	2002
3	Letters of thanks and estimation with financial reward from the deanery office of the college of science for participating in the 3 <sup>rd</sup> regional scientific conference for research project	Al Mustansiriya \ college of Science University	
4	Letters of thanks and estimation from the head office of Al –Mustansiriya University for supervision a project research of the 4 <sup>th</sup> stage student that wins the 1 <sup>st</sup> grade of the 23 <sup>rd</sup> regional conference which was organized by national students union for which I was given a one month seniority of wage increase and promotion .	Al Mustansiriya \ college of Science	2002
5	- Letters of thanks and estimation for the efforts given during participation in the sub – committee of the 2 <sup>nd</sup> regional conference of the college of sciences \ Al Mustansiriya University	college of sciences \ Al Mustansiriya University	2002
6	Letters of thanks and estimation and consideration from the head of the college of science for the distinguished efforts given in the 2 <sup>nd</sup> regional conference of biology	biology \ college of science \ Al Mustansiriya University	2003

7	Letters of thanks and estimation and consideration from the head of the college of science for the distinguished efforts given in the 3 <sup>nd</sup> regional conference of biology \ college of Science Baghdad University.	\ college of science \ Baghdad University	2009
8	Certificates of estimation for the participation in the 18 <sup>th</sup> conference of student researches \ ( the first research wins the first grade)	college of sciences\ Al Mustansiriya University	2001
9	Certificates of estimation for the participation in the 17 <sup>th</sup> scientific conference concerning student researches \ (supervising the project research of the 4thgrade students research)	college of science\ Al Mustansiriya University	2002.
10	Certificates of estimation for the participation in the evaluation for the 3 <sup>rd</sup> scientific conference \	college of science \ Baghdad University	\ 2009.
11	Certificates of estimation for the participation in the executive committee of the 3 <sup>rd</sup> scientific conference \	college of sciences \ Baghdad University	2009.
12	Certificates of estimation for the participation in the 4th conference of visions of scientific research and technology development	Damascus – Syria	2006
13	Certificates of estimation for the participation in the 1 <sup>st</sup> scientific conference Bio – Technology	Al- Nahrain University	2008
14	Certificates of estimation for the participation in the 2 <sup>st</sup> scientific conference genetic engineering and biotechnology	genetic engineering and biotechnology\ Baghdad University	2008
15	Certificates of estimation for the participation in the 1 <sup>st</sup> scientific conference of pharmaceuticals	college of pharmaceutical Al Mustansiriva University	2010

16-	Letters of thanks and estimation from the head of the college of science for the distinguished efforts given in the survey of department contents committee	College of science Baghdad University	2011
17-	Certificates of estimation for the participation in the first international scientific conference of institute of genetic engineering and biotechnology /	genetic engineering and biotechnology\ Baghdad University	2011
18-	Certificates of estimation for the participation in the 5 <sup>TH</sup> International conference on Horizon for Sustainable Development in Arab and African countries	Egypt	2011
19-	Letters of thanks and Certificates of estimation from the head of the college of science for awarded the scientific degree .	College of science Baghdad University	2011
20-	Certificates of estimation for the participation in the scientific Symposium about respiratory system diseases that hold in the college of pharmaceuticals \ Al Mustansiriya University.	Department of clinical laboratory science \ college of	2012
21	Certificates of estimation Participation in a Cycle for the Human & Animal Tissue Cultur.	Iraqi Center for Cancer and Medical Genetics Research's. / Al- Mustansiriya University.	2005
22	Certificates of estimation for the Participation in a Cycle for PCR Technologist .	The Center of Biotechnology Research's / Al – Nahrain University.	2006
23	Certificates of estimation for the Participation in a Cycle for Principles and Applications of Real –Time PCR .	The Center of Biotechnology Research's / Al – Nahrain University.	2012
24	Certificates of estimation for the Participation in a Cycle for Principles and Applications of Flow cytometry.	The Center of Biotechnology Research's / Al – Nahrain University.	2012



25	Certificates of estimation for the Participation in a Cycle of PCR.	college of science/ Biology department with CRDF GLOBAL\USA	2012
26	Certificates of estimation for the Participation in a Iraqi Biotechnology conference.	Baghdad \Iraq with CRDF GLOBAL\USA	2013
27	Certificates of estimation for the Participate in a cycle for reading the sequence of nitrogen bases using genetic analyzer .	The Forensic DNA Center for Research and Training/ Al – Nahrain University.	(6-10 10 – 2013)
28	Certificates of estimation for the Participation in The first international conference of Scientific Research/ Cihan University	Cihan University/ Erbil	20- 21/4/2014
29	Certificates of estimation for the Participation in The second scientific symposium of department of clinical pharmacy .	College of pharmacy / al mustansiriyah university .	8/4/2014
30	Letters of thanks from the head of Baghdad University for the distinguished efforts in the committee of exam.	College of science Baghdad University	23/3/2014
31	Letters of thanks from the ministry of higher education for the distinguished efforts to teachers of Baghdad university .	ministry of higher education /Baghdad - Iraq	28/3/2013

32	Letters of thanks from the head of Baghdad University for the distinguished efforts in the central Lap committee in the biotechnology department .	College of science Baghdad University	2\6\2014
33	Certificates of estimation for the Participation in The first international conference of Scientific Research/ Cihan University	Chihan university / irIbeal/Iraq	24- 25/4/2014
34	Certificates of estimation for the Participate in a cycle for IBM SPSS Level1 Research	computer center in Baghdad university	(1-12/ 12/2013)
35	Certificates of estimation for the Participate in a cycle for Advanced Course on Detection of DNA Damage in Human Cells f Using Comet Assay	the Institute of Genetic Engineering and Biotechnology for Post Graduate Studies - Branch of Genetic	. 3 – 7 / 5 /2015
36	Certificates of estimation for the Participate in a workshop of for Alternative and modern methods in the treatment of diseases that hold in the college of science for women ,lecture titled ( Gene therapy ) .	college of science for women	14 / 4 / 2016.
37	16-Certificates of estimation for the Participate in a workshop of Biosafety Hazared.	college of science in Al Idrissi hall by CRDF	4\7\2016