

CURRICULUM – VITAE

PERSONAL PROFILE :

Name	:	DR. KALBE JAWAD
Father's Name	:	Late Syed Kalbe Mujtaba
Date & Place of Birth	:	07.08.1959 / Vill.- Kamalpur, Distt.- Vidisha (Madhya Pradesh)India
Sex	:	Male
Marital Status	:	Single
Nationality	:	Indian
Permanent Address	:	Vill.- Kamalpur, P.O.- Pabai, Distt.-Vidisha- 464220 (Madhya Pradesh)- India
Address for Correspondence	:	Head, Department of Biochemistry, U.P. University of Medical Sciences, Saifai, Distt-Etawah-206130 (U.P.)- India
Medical Council of India FID NO	:	RIEBIO200001
E-mail	:	dr.kjawad@yahoo.com

EDUCATIONAL RECORD :

S.NO.	EXAMINATION PASSED*	YEAR	BOARD/UNI./INSTT.
1.	Ph.D.	1994	AMU, Aligarh / at & K.G's. Medical College & CDRI Lucknow (U.P.) – India
2.	M.Phil	1991	AMU, Aligarh / at CDRI, Lucknow (U.P.)- India
3.	M.Sc.	1984	AMU, Aligarh, (U.P.) - India
4.	B.Sc. (Hons.)	1981	AMU, Aligarh (U.P.) - India

5.	Pre-Medical Course	1979	AMU, Aligarh (U.P.) - India
6.	Higher Secondary	1975	Board of Sec. Edu. (M.P.), Bhopal, India

Subjects :

1.	Ph.D.	:	Biochemistry/ Topic: 'Immunochemical Studies on primate malaria Parasites'
2.	M.Phil	:	Biochemistry/ Topic: 'Immunochemical Studies on primate malaria Parasites'
3.	M.Sc.	:	Biochemistry (All papers with Clinical Biochemistry)
4.	B.Sc. (Hons.)	:	Chemistry (Main Subject), Zoology, Botany, Physics, English, Urdu
5.	Pre-Medical Course	:	Physics, Chemistry, Zoology, Botany, English
6.	Higher Secondary	:	Physics, Chemistry, Biology, English, Hindi

LANGUAGES KNOWN : English, Hindi & Urdu

PROFESSIONAL RECORD :

S.NO	POSITION HELD	DURATION	TOTAL PERIOD YEAR/MONTH/DAYS (Y) / (M) / (D)	EMPLOYER
1.	Professor - Sr. Grade & Head, Dept. of Biochemistry	08.05.2006 to till date.	16 Y / 04 M / - D	U.P. University of Medical Sciences (Formerly U.P. Rural Inst. of Medical Sciences & Research), Saifai, Etawah (U.P.), INDIA
2.	Associate Professor (Biochemistry)	01.04.2002 to 07.05.2006	04Y/01M/06D	Era's Lucknow Medical College, Lucknow (INDIA)
3.	Assistant Professor (Biochemistry)	04.12.1999 to 31.03.2002	02Y/03M/27D	-do-
4.	Lecturer (Biochemistry)	11.04.1997 to 03.12.1999	02Y/07M/22D	-do-
5.	Research Associate (Biochemistry) – ICMRNew Delhi	01.07.1995 to 10.04.1997	01Y/09M/09D	King George's Medical College, Lucknow
6.	Sr. Research Fellow (Biochemistry) ICMRNew Delhi	01.11.1991 to 30.06.1995	03Y/07M/29D	-do-

7.	Jr. Research Fellow (Biochemistry) ICMR New Delhi	09.09.1988 to 31.10.1991	03Y/01M/22D	Central Drug Research Institute, Lucknow
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TEACHING EXPERIENCE : To MBBS/MD Students :

- i) As a Ph.D. Scholar/Sr. Research Fellow/Research Associate/: 5½ years Guest Lecturer
 ii) As a Lecturer/Asst. Professor: 5 years
 iii) As an Associate Professor: 4 years
 iv) As a Professor (Sr. Grade): 16 years+ 04 Months

RESEARCH EXPERIENCE : Involved in research since Sept. 1988.

i)	Research Interest	:	Immunology, Biochemistry and Molecular biology of parasitic diseases and male infertility
ii)	Resume of the Ph.D work	:	Annexure-1
iii)	Resume of the present work	:	

TECHNICAL EXPERIENCE :

- i) Purification of asexual blood stages of malaria parasites and preparation of antigens. ii) In vitro culture of malaria parasites. iii) Preparation of RBC ghost. iv) Immunization and raising hyperimmune sera and preparation of gamma globulin fractions from immune sera. v) Biochemical and immunochemical techniques such as: SDS-polyacrylamide gel electrophoresis (SDSPAGE), Immunodiffusion (ID), Immunoelectrophoresis (IEP), Crossed immunoelectrophoresis (CIE), Rocket immunoelectrophoresis (RIE), Indirect-haemagglutination assay (IHA), Immunofluorescence assay (IFA) Enzyme-linked immunosorbent assay (ELISA), DOT-ELISA etc.

NO. OF PUBLICATIONS : 25 (Annexure-2)

MEMBERSHIP OF LEARNED BODIES :

- i) Life member of the Association of Clinical Biochemists of India. ii) Life member of the Indian Association of Biomedical Sciences. iii) Have worked as Member of the Governing Body of U.P. Rural Institute of Medical sciences & Research, Saifai, Etawah (u.p.) iv) Have worked as Member of the Executive Committee of U.P. University of Medical Sciences, Saifai, Etawah (u.p.) for three years w.e.f. 09.09.2016.

CONFERENCES / SYMPOSIUM ATTENDED :

- i) 33rd Association of Clinical Biochemists of India Conference (ACBICON 2006) at Dept. of Biochemistry, Pune (India).
 ii) National Symposium on Advances in Clinical Biochemistry-Biomarkers, Molecular Diagnosis and Quality Assurances (UPACBICON)-15-16 Nov., 2008 at Aligarh Muslim University, Aligarh (India) iii) 8th Annual meeting of the Society for Free Radical Research-India (AFRR)-March 19- 21, 2009.

- iv) CSIR & European Union and India Enhanced Cooperation framework for improved Bilateral Dialogue in the field of Science and Technology (EUINEC)-EU-India S&T Cooperation FP7 Health info Day & Training at Central Drug Research Institute, Lucknow - 12th March, 2010.
- v) International Congress on Applied Biology-1-2 Sept. 2011, Mashhad, Iran.
- vi) Symposium on Recent Advances in Biochemical & Molecular Diagnostics 19th-20thFeb., 2016 at Dept. of Biochemistry, G.S.V.M. Medical College, Kanpur, (u.p.) India. vii) 44th National Conference of Association of Clinical Biochemist of India-3rd-6th December, 2017 at King George's Medical University, Lucknow (India).
- Viii) Xth International Conference of Indian Academy of Biomedical Sciences (IABS)- 7th – 8th May, 2022 at ERA University, Lucknow

EXAMINER APPOINTED :

Appointed examiner of Biochemistry for MBBS/MD examination of:

- i) Dr. RML Avadh University, Faizabad, (U.P.), India ii) Chatrapati Sahuji Maharaj University, Kanpur,(U.P.),India iii) Pt. Deendyal Upadhye University, Gorekhpur,(U.P.), India iv) King George's Medical University, Lucknow (U.P), India
- v) Banaras Hindu University, Varanasi, (U.P), India.
- vi) Dr. Bhim Rao Ambedkar University, Agra
- vii) University of Kashmir, Srinagar, (J&K).
- viii) Aligarh Muslim University, Aligarh.
- ix) Chaudhary Charan Singh University, Meeruth

ACADEMIC EXPERT :

- i) Appointed as External expert of the Board of Studies of the Department of Biochemistry, King George's Medical University, Lucknow.
- ii) Appointed as a Subject expert for the post of Professor at Govt. Medical College, Datia & Guna (M.P.)

OTHER SELECTIONS :

- i) Assistant Professor in Biochemistry at Azamgarh Medical College, Azamgarh (U.P.), India. (01.07.1999) ii) Assistant Professor in Biochemistry, Garyonis University-Benghazi, Libya (17.7.2006).

ADMINISTRATIVE EXPERIENCE :

- i) Working as Head, Department of Biochemistry at U.P. University of Medical Sciences, Saifai, Etawah (u.p.) since 08.06.2006 till date. ii) Worked as Dean Students Welfare at U.P. university of Medical Sciences, Saifai, Etawah, (u.p.) w.e.f. 02.08.2017 to 28.08.2019 iii) Worked as Chief Security Officer, UPUMS, Saifai, Etawah (u.p.) w.e.f. 25.01.2020 to 02.06.2022

SALARY STATUS (PRESENT EMPLOYER) :

- i) Pay Scale: Basic Pay 220200 + DA and other Applicable Allowances (Level: 14A) as per the revised 7th Pay Commission (Pre- revised Basic pay 37400 – 67000 / Minimum Pay 51600 / 67000 fixed at the upper limit + Grade Pay Rs.10500 =77500 as per the 6th PAY + DA and other Applicable Allowances

REFERENCES :

i) **Prof. (Dr.) S.P. Mishra**
Professor,
Department of Biochemistry,
Institute of Medical Sciences,
Banaras Hindu University,
Varanasi-221005 (U.P.) India

ii) **Prof. (Dr.) Asif Ali,**
Professor,
Department Of Biochemistry,
J.N. Medical College, AMU,
Aligarh-202002 (U.P.) India

iii) **Prof. (Dr.) Abbas Ali Mahdi,**
Head, Dept. of Biochemistry,
KGMU, Lucknow),
Ex- Vice Chancellor,
ERA'S University, Sarfrazganj,
Lucknow-226003 (U.P.) India

(v) **Prof. (Dr.) K.P. Mishra,**
Professor,
Department of Biochemistry,
LLRM Medical College
Meerut-250004 (U.P.) India

Date : 08. 09. 2022

(DR. KALBE JAWAD)

Place : Saifai, Etawah (u.p.)

Annexure – 1

RESUME OF THE Ph.D. WORK

Title of the Ph.D. Thesis: “Immunochemical Studies on primate malaria parasites”

Summary: Asexual blood stages of malaria parasites remain the main focus of Immunological research in malaria, as the morbidity and mortality due to malaria is mainly caused by these stages. The work reported in the Ph.D thesis is directed towards the immunochemical studies on asexual blood stages of primate malaria parasites and deals with immunogenicity and evaluation of protective potential of schizont infected erythrocytes (SI-RBC) of *Plasmodium knowlesi* as well as identification of common or cross reactive antigens between *Plasmodium knowlesi* and *plasmodium falciparum*. The SDSPAGE analysis of *P. Knowlesi* SI-RBC revealed the presence of 30-35 major protein bands in the molecular weight range of 15-230 KD. The Immunoelectrophoretic analysis revealed the presence of 34 parasite specific antigens in *P. Knowlesi* SI-RBC. The immunoprecipitation and SDS-PAGE analysis of 35S-methionine labeled antigens of *P.falciparum* SI-RBC with malaria (*P.falciparum*) patient sera and hyperimmune rabbit sera (anti-*P.Knowlesi* SIRBC) pools revealed the presence of 5 common or cross reactive antigens of molecular weights 195, 120, 97, 94, and 74 KD between these two parasites, of these, the 74 KD antigen was found to be a major common antigen.

RESUME OF THE PRESENT WORK

Title: “A study of the role of free radical scavengers, heavy metals and trace elements in infertile male spermatozoa”

Summary: Oligospermia and azoospermia are the major causes of infertility, but in some cases although the number and motility of spermatozoa appear apparently normal but no conception occurs, despite female partner being quite normal. In recent studies, a significant new development has been the implication of the oxidative stress as one of the causes of male infertility. It has been found that the generation of reactive oxygen species such as Superoxide anion and Hydrogen peroxide by human sperm suspensions correlate with its fertilizing potential. Heavy and trace elements also play roles in male infertility. In view of the above consideration, the present study has, therefore, been designed to investigate the status of free radical scavengers and role of heavy metals and trace elements in infertile male spermatozoa.

Annexure -2

LIST OF PUBLICATIONS

(Dr. Kalbe Jawad)

1. Kaushal D.C, **Jawad. K** and kausal, N.A. Identification and characterization of common or cross reactive antigens of *plasmodium falciparum* and *plasmodium knowlesi*. National Congress of Parasitology, Dehradun. 1990, March: 16-18.
2. A.A Mahdi, S. Ahmed, R.K. Singh and **K.Jawad**. Use of Antigens Prepared From *In Vitro* culture of *Plasmodium falciparum* for the detection of antibodies in sera from Patients exposed to *Plasmodium vivax*. Indian Journal of Clinical Biochemistry.1994; 1:35-36.
3. Abbas Ali Mahdi, Raj Kumar Singh, Farzana Mahdi and **Kalbe Jawad**. Brain involvement in simian malaria: Immune protection studies. Biomedical Research India. 1994; 5 (1): 83-88.

4. **K.Jawad**, A.A Mahdi, R.K Singh. A study of free radical scavengers in infertile male spermatozoa.—Int. Conf. of Free radicals and Antioxidant in Health and Disease, Lucknow. 2003; A(P-159):179.
5. **Jawad K.**, Mahdi A.A, Singh R.K. Immuno-electrophoretic analysis of *plasmodium knowlesi* schizont infected erythrocytes. Indian Journal of Physiology and Pharmacology. 1997; 41 (5)- Suppl: 502-A.
6. Nigar Naqvi, Virginia Paul, T.H Faruqui & **Kalbe Jawad**. Clinical and Anthropometric aspects of Pregnant women suffering from Pre-eclampsia. Annual conference of Association of clinical Biochemist of India, Patna. 2005; A- (P-35): 92.
7. A.K.Khanna, Vishnu Kumar, M.M.Khan, Ramesh Chander, J.K.Saxena, R.K.Singh & **Kalbe Jawad**. Lipid lowering activity of *anthocephalus indicus* (Kadam) 10th international conference of ISCB on Drug Discovery: Perspective and Challenges. CDRI Lucknow. 2006; 104.
8. Nigar Naqvi, T.H. Faruqui, **K.Jawad**. Effect of minerals on pregnant women suffering from preeclampsia and Eclampsia 33rd National Conference of Association of Clinical Biochemist of India, AFMC, Pune. 2006; P-148:115.
9. Pradeep Sharma, N.Singh, **K.Jawad**, A.Rahman, V.Singh. Tumor Necrosis Factor Alpha (TNF- α) and Estrogen Hormone in Osteoarthritic Female Patient. Ind. J. of Clinical Biochemistry. 2007; Vol.22 (Supl.): 393.
10. S.K.Rastogi, **Kalbe Jawad**, Quazi.S.Haque. Renal effects of environmental and occupational lead exposure. Indian Journal of Occupational and Environmental Medicine. 2009; 12 (3): 103-106e.
11. Vishnu Kumar, Farzana Mahdi, Ramesh Chander, Ranjana Singh, Abbas Ali Mahdi, Asok Kumar Khanna, Sanjay Bhatt, Rajeev Singh Kushwaha, **Kalbe Jawad**, Jitendra Kumar Saxena and Raj Kumar Singh. Hypolipidemic and antioxidant activity of *Anthocephalus indicus* (Kadam) root extract- Indian Journal of Biochemistry & Biophysics. 2010; 47: 104-109.
12. Nigar Naqvi, Jalees Fatima, Farzana Bano, Quazi. S. Haque, **K. Jawad**. Effect of Minerals on pregnant women suffering from pre-eclampsia and eclampsia. International journal of Biomedical Research. 2010; 21 (4): 419-422
13. **Jawad K**, Abbas Ali Mahdi, M.K.Ahmad, S.N. Shankwar and S. Ahmad. Male Infertility: Role of Herbal Remedies. International Congress on Applied Biology. 1-2 Sep. 2011; Mashhad – IRAN
14. Pradeep Sharma, Adil Rahman, **K Jawad**, V Singh, Nishee Mishra, Himanshu Jain. Bone protective effects of estrogen hormone in knee osteoarthritic female patients. Biomedical Research. 2012; 23 (3): 405-407.
15. Pradeep Sharma, Adil Rahman, **K Jawad**, V Singh, Nishee Mishra, Shivanand and Sharad Yadav: Study of serum interleukin-6 (IL-6) and tumor necrosis factor alpha (TNF- α) in post menopausal osteoarthritic female patients. Biochem. Cell.Arch. 2012; 12: 333-335.

16. Pradeep Sharma, Anupma Tandon, Nishee Mishra, **K. Jawad**, Adil Rahman, Nityanand Srivastava. Study of Serum Estrogen Hormone and TNF- α Levels in Postmenopausal Female Osteoarthritic Patient. International Journal of Contemporary Medicine. 2014; 2 (2): 5-7.
17. Kumar V, Mahdi F, Singh R, Mahdi AA, **Jawad K**, Singh RK and Singh M. Cassia Tora Seeds Extract Regulates Lipid Metabolism in Alloxan Induced Diabetic Rats. Int J Pharm Sci Res. 2015; 6 (8):100006.
18. Tariq Mahmood, Faiz Abul Faizy, Pradeep Sharma, **Kalbe Jawad**. Free Radical Scavenging and Cytoprotective effects of Ethanolic extract of *Nigella sativa* seeds. International Archives of Biomedical and Clinical research. 2016; 2(3):
19. Suruchi Mathur, **Kalbe Jawad**, Seema Dyal. Effect of Smoking and Alcohol Consumption on Reproductive Hormones and Semen Parameters in Male Partners of Infertile Couples. International Journal of Contemporary Medical Research. 2019; 6 (9): 15-19
20. Kumar A, Jawad K, Sharma P, Singh N, Gupta M, Role of Oxidative stress after routine iron supplementation in general and anemic women during pregnancy: Central Indian scenario. International Journal of Research and Development in Pharmacy & life sciences. 2019; 8 (01): 2124
21. Ganesh Prasad Sagar, Pradeep Sharma, Sunil Kumar, **Kalbe Jawad**, Ajai Gupta, Anuj Jain, A study on Matrix Metalloproteinases - 1 (MMP-1) and Tumor Necrosis Factor Alpha (TNF- α) In Postmenopausal Female patients. International Journal of Medical Science and current Research (IJMSCR). 2020; 3(4): 766-770
22. Kumar Vivek Anand, Pradeep sharma, Sunil Kumar, **Kalbe Jawad**, Ajai Kumar, Prem Prakash Bharti. A study on Matrix Metalloproteinases- 13 (MMP- 13) and Interleukin-1 Beta (IL- 1β) In Postmenopausal Knee Osteoarthritic Female Patients. International Journal of Medical Science and Current Research (IJMSCR). 2021; 4 (1): 01- 05
23. Kumar Vivek Anand, Pradeep Sharma, Sunil Kumar, **Kalbe Jawad**, Ajai kumar, Prem prakash Bharti and Mimoh Sharma. Role of Interleukin-1 Beta (IL- β) and Alkaline Phosphatase (ALP) In Post Menopausal Knee Osteoarthritic Female Patients. International Journal of current Research. 2021; 13 (01): 15998-16000
24. **Kalbe Jawad**, Adil rahman, Somendrapal Singh, Pradeep Sharma & Kalpesh Gupta. Comparative study of serum total cholesterol in pre and post cholecystectomy Patients undergoing laproscopic cholecystectomy. International Journal of Advanced research. 2021: 9 (03) 95-97.
25. Sumit Yadav, **Kalbe Jawad**, Manoj Kumar, Ajai Kumar, Pradeep Sharma, Ramniwas Sharma, Prem Prakash. A Study of Thyroid Function Tests and Different Parameters of Metabolic Syndrome. . International Journal of Medical Science and Current Research (IJMSCR). 2021; 4 (3): 173-179

