

3. Evaluative Report of the Department (Jan to Dec, 2017)

1. Name of the Department: **BIOCHEMISTRY**
2. Year of establishment: **1986**
3. Is the Department part of a college/Faculty of the university?: **Its under the Faculty of Medicine, King George's Medical University, UP, Lucknow.**
4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.): **UG (MBBS, BDS, B.Sc. (Nurs), M.Sc. (Nursing), Ph.D.**
5. Interdisciplinary programs and departments involved: **M. Phil. with the Department of Psychiatry**
6. Courses in collaboration with other universities, industries, foreign institutions, etc.: **Ph.D. and U.G./P.G. training**
7. Details of programs discontinued, if any, with reasons: **Nil**
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: **Annual**
9. Participation of the department in the courses offered by other departments: **M.Sc. & B.Sc. (Nursing), M.D.S., M.D., M.S., D.M., M.Ch.**
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	01	01
Associate Professor/Reader	02	02	06
Assistant Professor	06	05	01
Lecturer	--	--	--
Tutor / Clinical Instructor	04	04	04
Senior Resident	00	00	00

11. Faculty profile with name, qualification, designation, area of

specialization, experience and research under guidance

S.No.	Name	Qualifications	Designation	Specialization	No. of Years of Experience
1.	Dr. Abbas Ali Mahdi	MAMS, Ph.D.	Professor (on leave)	Med. Biochem.	32
2.	Dr. Shivani Pandey	Ph.D.	Associate Professor	Med. Biochem.	20
3.	Dr. Ranjana Singh	Ph.D.	Associate Professor	Med. Biochem.	21
4.	Dr. Dilutpal Sharma	M.D	Associate Professor & Head	Biochemistry	12
5.	Dr. Kalpana Singh	M.D	Associate Professor	Biochemistry	08
6.	Dr. M.K. Ahmad	Ph.D.	Associate Professor	Med. Biochem.	07
7.	Dr. G.K. Sonkar	Ph.D.	Associate Professor	Med. Biochem.	07
8.	Dr. Shweta Kumari	M.D.	Assistant Professor	Biochemistry	0.5
8.	Dr. Sheela	MBBS	Demonstrator		16
9.	Dr. Humaira	MBBS	Demonstrator		06
10.	Dr. AhlamKazim	MBBS	Demonstrator		06
11.	Dr. Ajai	M.D.	Demonstrator	Biochemistry	02

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

13. Percentage of classes taken by temporary faculty – program-wise information: **Nil**

14. Program-wise Student Teacher Ratio: **For MBBS – 1:25, For BDS – 1:10**

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

	Sanctioned	Filled	Actual (including CAS & MPS)
Administrative Officer	01	01	01
Senior laboratory technician	02	02	02
Junior laboratory assistant	02	02	02

	Sanctioned	Filled	Actual (including CAS & MPS)
Administrative Officer	01	01	01
Junior assistant	01	01	01
Laboratory attendant	04	04	06
Peon	02	02	02
Safaikaramchari	02	02	03

16. Research thrust areas as recognized by major funding agencies

Clinical Biochemistry

Routine Biochemical Tests, Endocrinology & Immunological Assays

Molecular Biology & Cell culture Lab

Explore the molecular mechanism through functional genomics approach in Male Infertility, Diabetes and Cancer

Inborn errors of metabolism

To screen metabolites in blood and other fluids

Medical Elementology& Free Radical Biology Lab

Oxidative stress & anti-oxidative parameters in various clinical conditions

National Referral Centre for Lead Poisoning India& Analysis of ~ 40 elements (Micronutrient & Heavy Metal Analysis)

Natural Products

Protective effect of Ayurvedic&Unani Preparations

Isolation & characterization of secondary metabolites from medicinal plants (anti-cancerous, anti-diabetic, anti-infertility)

Nanoparticles

Toxicity of silica nanoparticles (in vitro & in vivo studies)

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

1. Dr. A. A. Mahdi

1. “Study of the Neurotoxicity of Manganese Nanoparticles in Different Regions of rat Brain” Sponsored by Council of Science & Technology, U.P., Lucknow. (2016-2018) (Total Amount: Rs. 8.0 lacs).
2. ‘Molecular Cascading of PPAR-gamma in treatment of type II Diabetes Mellitus and its associated complications. Sponsored by the University Grant Commission (2014-17) (Total Amount:Rs.20 lacs)

3. *'Micro RNA mediated regulation of antioxidant defense system and chemo resistance in breast cancer cell'* Sponsored by the University Grant Commission (2014-17) (Total Amount: Rs. 20 lacs)
4. *Epigenetic analysis of candidate gene in type-2 diabetes with nephropathy: An approach towards the development of diagnostic marker.* Sponsored by the University Grant Commission (2016-21) (Total Amount: Rs. 33.80 lacs)
5. *"Does Salmonella OmpA stimulate synovial fluid antigen presenting cells from patients with ReA/uSpA via Toll like receptor".* Sponsored by the (N-PDF) SERB-DST (2017-19) (Total Amount: Rs. 20 lacs)

2. Dr. Shivani Pandey

1. Bacopamonniari as neuroprotectant against neuroinflammation-a causative factor for Parkinsons disease. (2016-2018). Sponsored by CST-UP. Grant Rec .Rs 7.28 lacs
2. Evaluate the neuroprotective effects of genistein on scopolamine induced amnesic mice and underlying molecular mechanism (DST SERB)

3. Dr. Ranjana Singh

Effect of miltefosine and AZD5363 (Akt pathway inhibitor) on Notch signalling pathway in human breast cancer cells: an approach to repurposing the drug (UP-CST)

4. Dr. M. K. Ahmad

- i) A study on gene polymorphism and oxidative biomarkers in Diabetic nephropathy patients from North Indian population. (2015-18). Sponsored by CST-UP. Grant Rec. – Rs. 9,73,000/-
- ii) Phytochemical Investigation of *Anthocephalus cadamba* and *Sesbania grandiflora* in search of anticancer compounds: Therapeutic role of medicinal plants in cancer. (2015-18). Sponsored by DBT, New Delhi. Grant Rec. – Rs. 23,28,480/-

5. Dr. G. K. Sonkar

- 1.) A biochemical study on Inborn errors of metabolism in symptomatic children. (2016 – 2019). Sponsored by CST-UP. Grant Rec. – Rs. 4,50,000/-

6. Dr. Kalpana Singh

1. "Assessment of serum insulin, leptin, and interleukin-6 (IL-6) in pregnancy induced diabetes mellitus". (2016 – 2018). Sponsored by CST-UP. Grant Rec. – Rs. 7,30,000/-

18. Inter-institutional collaborative projects and associated grants received

a) National collaborations:

- School of Biotechnology, JNU, New Delhi
- Department of Biochemistry, JNMC, Aligarh Muslim University, Aligarh

- Integral University, Lucknow
- Central Drug Research Institute, Lucknow
- Rural Institute of Medical Sciences, Saifai, Etawah
- Era's Lucknow Medical College & Hospital, Lucknow
- St. John's Medical College, Bengaluru
- Mohanlal Sukhadia University, Udaipur, Rajasthan
- Ravindranath Tagore Medical College, Udaipur, Rajasthan

b) International collaborations:

- Department of Pathology, VU University Medical Centre, Amsterdam, Netherlands
- Department of Radiology/Medicine, Ohio State University Medical Centre, Columbus 43210, OH, USA
- Faculty of Medicine, Applied Biology Research Centre, Mashhad Branch, Islamic Azad University, Mashhad, Iran
- The Urology Institute, University Hospitals Case Medical Center, and Case Comprehensive Cancer Center, Cleveland, Ohio;
- ULSTER University, Northern Ireland, UK

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

S. No.	Funding body	Grants received (Rs.)
1.	UGC	33.80 Lacs
2.	CST UP	40.0 Lacs
	Total Grant Received	73.80 Lacs

20. Research facility / centre with

- state recognition: Nil
- national recognition: **NATIONAL REFERRAL CENTRE FOR LEAD POISONING, INDIA.**
- international recognition: Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies: No

22. Publications:

- * Number of papers published in peer reviewed journals (national / international)

Prof. A. A. Mahdi

1. Tiwari AK, **Mahdi AA**, Mishra S. Assessment of liver function in pregnant anemic women upon oral iron and folic acid supplementation. Journal of Gynecology Obstetrics and Human Reproduction. 2017 Nov 28.
SNIP : SJR:
2. Ahmad I, Jafar T, Mahdi F, Arshad M, Das SK, Waliullah S, **Mahdi AA**. Association of Vitamin D Receptor (FokI and BsmI) Gene Polymorphism with Bone Mineral Density and Their Effect on 25-Hydroxyvitamin D Level in North Indian Postmenopausal Women with Osteoporosis. Indian Journal of Clinical Biochemistry. DOI, <https://doi.org/10.1007/s12291-017-0706-x>
SNIP : 0.738 SJR:0.510
3. Ali SG, Ansari MA, Jamal QM, Khan HM, Jalal M, Ahmad H, **Mahdi AA**. Antiquorum sensing activity of silver nanoparticles in *P. aeruginosa*: an in silico study. In Silico Pharmacology. 2017;5(1):12. SNIP : SJR:
4. A Singh, V Kumar, S Ali, **Mahdi AA**, RN Srivastava . Phosphorylated neurofilament heavy: A potential blood biomarker to evaluate the severity of acute spinal cord injuries in adults. International Journal of Critical Illness and Injury Science. 2017, 7 (4), 212. SNIP: SJR:
5. V Kumar, R Singh, F Mahdi, **Mahdi AA**, RK Singh. Experimental Validation of Antidiabetic and Antioxidant Potential of Cassia tora (L.): An Indigenous Medicinal Plant. Indian Journal of Clinical Biochemistry 32 (3), 323-328
SNIP :0.738 SJR:0.510
6. Tripathi PM, Kant S, Yadav RS, Kushwaha RA, Prakash V, Rizvi SH, Parveen A, **Mahdi AA**, Ahmad I. Expression of Toll-like Receptor 2 and 4 in Peripheral Blood Neutrophil Cells from Patients with Chronic Obstructive Pulmonary Disease. Oman Medical Journal. 2017 Nov;32(6):477. SNIP : SJR:
3. Pandey M, Awasthi S, Singh U, Mahdi AA. Association of IL-10 Gene Polymorphism (– 819C> T, – 592C> A and – 1082G> A) with Preterm Birth. The Indian Journal of Pediatrics. 2017;1-9. SNIP : 0.545 SJR:0.311
4. Gupta A, Beg M, Kumar D, Shankar K, Varshney S, Rajan S, Srivastava A, Singh K, Sonkar S, **Mahdi AA**, Dikshit M. Chronic hyper-leptinemia induces insulin signaling disruption in adipocytes: Implications of NOS2. Free Radical Biology and Medicine. 2017 Nov 1;112:93-108. SNIP : 1.529 SJR:2.276

5. ShrivastavaA ,Kar SK , Sharma E, **Mahdi A A**,Dalal PK. A study of oxidative stress biomarkers in obsessive compulsive disorder. Journal of Obsessive-Compulsive and Related Disorders.2017;15:52-56. SNIP : 0.771 SJR:0.904

6. Singh B, Pandey S, Yadav SK, Verma R, Singh SP, **Mahdi AA**. Role of ethanolic extract of Bacopamonnieri against 1-methyl-4-phenyl-1, 2, 3, 6-tetrahydropyridine (MPTP) induced mice model via inhibition of apoptotic pathways of dopaminergic neurons. Brain Research Bulletin. 2017 Oct 1;135:120-8.SNIP : SJR:

7. Chaudhary S, Firdaus U, Ali SM, **Mahdi AA**. Factors Associated With Elevated Blood Lead Levels in Children. Indian Pediatr. 2017 Sep 26. pii:S097475591600093.
SNIP :0.828 SJR:1.170

8. Waliullah S, Sharma V, Srivastava RN, **Mahdi AA**, Pradeep Y, Kumar S. Efficacy of zolendronic acid in post menopausal osteoporosis treatment. Osteoporosis and Sarcopenia. 2017 Sep 1;3(3):S48. SNIP : SJR:

9. Waliullah S, Sharma V, Srivastava RN, **Mahdi AA**, Pradeep Y, Kumar S. Role of Th-17 lymphocytes in estrogen deficiency mediated bone loss in post menopausal osteoporosis. Osteoporosis and Sarcopenia. 2017 Sep 1;3(3):S38. SNIP : SJR:

10. Shahab U, Ahmad MK, **Mahdi AA**, Waseem M, Arif B, Ahmad S. The receptor for advanced glycation end products: A fuel to pancreatic cancer. In Seminars in cancer biology 2017 Aug 12. Academic Press. SNIP : 2.008 SJR:4.528

11. Roy Moulik N, Kumar A, Agrawal S, **Mahdi AA**. Folate deficiency in north Indian children undergoing maintenance chemotherapy for acute lymphoblastic leukemia—Implications and outcome. Pediatric Blood & Cancer. 2017 Aug 2. SNIP : SJR:

12. Waseem M, Ahmad M, Srivastava V, Rastogi N, Serajuddin M, Kumar S, Mishra D, Sankhwar SN, **Mahdi AA**. Evaluation of miR-711 as Novel Biomarker in Prostate Cancer Progression. Asian Pacific Journal of Cancer Prevention. 2017 Aug 1;18(8):2185-91. SNIP : SJR:

13. Sinha S, Saxena S, Prasad S, **Mahdi AA**, Bhasker SK, Das S, Krasnik V, Caprnda M, Opatrilova R, Kruzliak P. Association of serum levels of anti-

- myeloperoxidase antibody with retinal photoreceptor ellipsoid zone disruption in diabetic retinopathy. *Journal of Diabetes and its Complications*. 2017 May 31;31(5):864-8. SNIP : 1.104 SJR:1.197
14. Shukla KK, **Mahdi AA**, Sankhwar SN, Sharma P, Misra S. Effect of Bortezomib in mice sperm via apoptotic pathway. *Mechanisms of Development*. 2017 Jul 31;145:S89-90. SNIP : 0.508 SJR:1.113
 15. Naqvi H, Ahmad MK, Hussain SR, Gupta S, Waseem M, **Mahdi AA**. Retrospective case-control study of correlation between MTHFR gene and OSCC risk in North India. *Clinical oral investigations*. 2017 Jul 1;21(6):1929-34. SNIP : SJR:
 16. Chambial S, Bhardwaj P, **Mahdi AA**, Sharma P. Lead poisoning due to herbal medications. *Indian journal of clinical biochemistry*. 2017 Jun 1;32(2):246-7. SNIP :1.333 SJR:0.983
 17. Naz Q, Verma N, Serajuddin M, **Mahdi AA**, Patel ML. Balloon Aortic Valvuloplasty in Rheumatic Aortic Valve. *Journal of the Practice of Cardiovascular Sciences*| Volume. 2017 Apr 1;3:S17. SNIP : SJR:
 18. Ameta K, Gupta A, Kumar S, Sethi R, Kumar D, **Mahdi AA**. Essential hypertension: A filtered serum based metabolomics study. *Sci Rep*. 2017 May 19;7(1):2153. doi:10.1038/s41598-017-02289-9 SNIP : SJR:
 19. Kumari P, Jaiswar SP, Shankwar P, Deo S, Ahmad K, Iqbal B, **Mahdi AA**. Leptin as a Predictive Marker in Unexplained Infertility in North Indian Population. *Journal of Clinical and Diagnostic Research*. 2017 Mar 1;11(3):QC28-31. SNIP : SJR:
 20. Ali S, Singh A, **Mahdi AA**, Srivastava RN. YR61—An angiogenic biomarker to early predict the impaired healing in diaphyseal tibial fractures, *Journal of Orthopaedic Translation*, Available online 23 February 2017, ISSN 2214-031X, <http://dx.doi.org/10.1016/j.jot.2017.02.004> SNIP : SJR:
 21. Singh PK, Ahmad MK, Kumar V, Gupta R, Kohli M, Jain A, **Mahdi AA**, Bogra J, Chandra G. Genetic polymorphism of interleukin-10 (-A592C) among oral cancer with squamous cell carcinoma. *Archives of Oral Biology*. 2017 May 31;77:18-22. SNIP :0.883 SJR:0.712
 22. Anjum, B., Narsingh Verma, Sandeep Tiwari, **Mahdi AA**, Ranjana Singh, Qulsoom Naaz, Saumya Mishra, Prerna Singh, Suman Gautam, and Shipra

- Bhardwaj. "24 Hours chronomics of ambulatory blood pressure and its relation with circadian rhythm of 6-sulfatoxy melatonin in night shift health care workers." *International Journal of Research in Medical Sciences* 3, no. 8 (2017): 1922-1931 SNIP : SJR:
23. Chambial S, Bhardwaj P, **Mahdi AA**, Sharma P. Lead poisoning due to herbal medications. *Indian journal of clinical biochemistry*. 2017 Jun 1;32(2):246-7. SNIP :0.738 SJR:0.510
24. Shrivastava, Abhijeet, P. K. Dalal, Sujit Kumar Kar, Eesha Sharma, and. **Mahdi AA**. A Comparative Study Of Markers Of Oxidative Stress In Patients With Obsessive Compulsive Disorder, Their First Degree Relative And Healthy Control Groups. *Indian Journal of Psychiatry*, 2017. 59: 6; pp. S196-S196. SNIP : SJR:
25. Husain SR, Ali S, Singh A, Kumar V, Rizvi N, Yadav M, Ahmad MK, Kumar V, **Mahdi AA**. Identification of the cysteine-rich 61 (CYR61) gene variations in osteosarcoma patients. *Turkish Journal of Medical Sciences*. 2017 Jan 1;47(1). SNIP : SJR:
26. Rathore B, Mahdi F, **Mahdi AA**, Das SK. CROCUS SATIVUS AND NYCTANTHES ARBORTRISTIS EXTRACT MODULATES ANTI-INFLAMMATORY CYTOKINE IN EXPERIMENTAL ARTHRITIS. *International Journal of Pharmaceutical Sciences and Research*. 2017 Feb 1;8(2):768. SNIP : SJR:
27. Ali SG, Ansari MA, Khan HM, Jalal M, **Mahdi AA**, Cameotra SS. Crataevanurvala nanoparticles inhibit virulence factors and biofilm formation in clinical isolates of *Pseudomonas aeruginosa*. *Journal of Basic Microbiology*. 2017 Mar 1;57(3):193-203. SNIP : SJR:
28. Ali S, Singh A, **Mahdi AA**, Srivastava RN. YR61—An angiogenic biomarker to early predict the impaired healing in diaphysealtibial fractures, *Journal of Orthopaedic Translation*, Available online 23 February 2017, ISSN 2214-031X, <http://dx.doi.org/10.1016/j.jot.2017.02.004> SNIP : SJR:

29. Anjum, B., Narsingh Verma, Sandeep Tiwari, **Mahdi AA**, Ranjana Singh, Qulsoom Naaz, Saumya Mishra, Prerna Singh, Suman Gautam, and Shipra Bhardwaj. "24 Hours chronomics of ambulatory blood pressure and its relation with circadian rhythm of 6-sulfatoxy melatonin in night shift health care workers." *International Journal of Research in Medical Sciences* 3, no. 8 (2017): 1922-1931

SNIP : SJR:

30. Ansari, J. A., N. Rastogi, M. K. **Ahmad**, **A. A. Mahdi**, A. R. Khan, R. Thakur, V. K. Srivastava et al. "ROS mediated pro-apoptotic effects of *Tinosporacordifolia* on breast cancer cells." *Frontiers in bioscience (Elite edition)* 9 (2017): 89-100. SNIP : SJR:

31. Shrivastava, Abhijeet, P. K. Dalal, Sujit Kumar Kar, Eesha Sharma, and **Mahdi AA**. A Comparative Study Of Markers Of Oxidative Stress In Patients With Obsessive Compulsive Disorder, Their First Degree Relative And Healthy Control Groups. *Indian Journal of Psychiatry*, 2017. 59: 6; pp. S196-S196. SNIP : SJR:

Dr. Shivani Pandey:

1. Singh B, **Pandey S**, Yadav SK, Verma R, Singh SP, Mahdi AA. Role of ethanolic extract of *Bacopamonnieri* against 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) induced mice model via inhibition of apoptotic pathways of dopaminergic neurons. *Brain Research Bulletin*, 2017; 135:120-128.
2. Yadav SK, **Pandey S**, Singh B. Role of estrogen and levodopa in 1-methyl-4-phenyl-1, 2, 3, 6-tetrahydropyridine (MPTP)-induced cognitive deficit in Parkinsonian ovariectomized mice model: A Comparative Study. *Journal of Chemical Neuroanatomy*, 2017;12;85:50-59.
3. Singh B, **Pandey S**, Yadav SK, Mahdi AA. *Bacopamonnieri* Suppresses Rotenone-Induced Microglial Activation: In vitro Study. *Journal of Biological and Chemical Research*, 2017; 34(1) Part B: 312-323.
4. **Pandey S**, Singh B, Yadav SK, Mahdi AA, Naqvi TS Role of Major Neurotoxins in the Pathogenesis of Parkinson's Diseases. *Journal of Biological and Chemical Research*, 2017; 34(1) Part B: 333-344.

Dr. Kalpana Singh

1. Singh K, Mahajan B, Singh S, Mahdi A.A. Labile haemoglobinA1c: a factor affecting the estimation of glycated haemoglobin. *JCEI* 2017 ;8(4): 124 – 126.
2. Agarwal K.K, Rao J, Anwar M, Singh K, Himanshu D. Flapless vs Flapped implant insertion in patients with controlled type 2 diabetes subjected to delayed loading: 1 year follow-up results from randomized controlled trial. *EJOI* 2017 ;10(4):403 – 413.

3. Singh K, Afsheen T, Mahajan B, Rao J, Mahdi AA. Effect of varying glycated haemoglobin level on lipid profile in patients with type 2 diabetes. SAJB2017;5(8):569 – 573.
4. Gupta A, Beg M, Kumar D, Shankar K, Varshney S, Rajan S, Srivastava A, Singh K, Sonkar S, Mahdi AA, Dikshit M, Gaikwad AN. Chronic hyper-leptinemia induces insulin signaling disruption in adipocytes: Implications of NOS2. FRBM 2017;112:93 – 108.
5. Rao J, Singh G, Singh K, Howlader D. Management of immediate loading implant cigarette smoking complication – a case report. UIJDS 2017;3(1):72 – 75.
6. Dubey P, Tiwari S, Bajpai M, Singh K, Jha P. Effect of metaboreflex on cardiovascular system in subjects of metabolic syndrome. JCDR 2017;11(7):CC01 – CC04.
7. Singh K, Afsheen T, Singh B. Effect on glycemic control and body mass index due to current cigarette smoking in patients with type 2 diabetes mellitus. IJSR 2017;6(3):385 – 386.
8. Rao J, Gupta S, Singh K, Pant AB, Sharma VP. Elemental Release from Dental Casting Alloys by Atomic Absorption Spectrophotometer (AAS) in Variable Conditions of Oral Cavity: In-Vitro Study. IJSR. 2017;6(3):45-47.

Dr. M. K. Ahmad

1. Alvi SS, Ansari IA, **Ahmad MK**, Iqbal J, Khan MS. Lycopene amends LPS induced oxidative stress and hypertriglyceridemia via modulating PCSK-9 expression and Apo-CIII mediated lipoprotein lipase activity. Biomed Pharmacother. 2017 Nov 22. [Epub ahead of print]
2. Kumari R, Kumar S, **Ahmad MK**, Singh R, Pradhan A, Chandra S, Kumar S. TNF- α /IL-10 ratio: An independent predictor for coronary artery disease in North Indian population. Diabetes MetabSyndr. 2017 Sep 22. [Epub ahead of print]
3. Waseem M, **Ahmad MK**, Srivastava VK, Rastogi N, Serajuddin M, Kumar S, Mishra DP, Sankhwar SN, Mahdi AA. Evaluation of miR-711 as Novel Biomarker in Prostate Cancer Progression Asian Pac J Cancer Prev. 2017 Aug 27;18 (8):2185-2191.
4. Shahab U, **Ahmad MK**, Mahdi AA, Waseem M, Arif B, Moinuddin, Ahmad S. The receptor for advanced glycation end products: A fuel to pancreatic cancer. Semin Cancer Biol. 2017 Aug 12. [Epub ahead of print]
5. Ansari JA, Rastogi N, **Ahmad MK**, Mahdi AA, Khan AR, ThakurR, Srivastava VK, MishraDP, Fatima N, Khan HJ, Waseem M. ROS mediated pro-apoptotic effects of *Tinosporacordifolia* on breast cancer cells. Front Biosci. 2017 Jan;9:89-100
6. Naqvi H, **Ahmad MK**, Hussain SR, Gupta S, Waseem M, Mahdi AA Retrospective case-control study of correlation between MTHFR gene and OSCC risk in North India. Clin Oral Invest. 2017; 21(6):1929-1934.
7. Singh PK, **Ahmad MK**, Kumar V, RajniGuptaa, Kohli M, Jain A, Mahdi AA, Bogra J, Chandra G. Genetic polymorphism of interleukin-10 (-A592C)

among oral cancer with squamous cell carcinoma Arch Oral Biol. 2017; 77:18-22.

Dr. G. K. Sonkar

1. Khan MM, **Sonkar GK**, Alam R, Mehrotra S, Khan MS, , Kumar A, Sonkar SK. Validity of Indian diabetes risk score and its association with body mass index and glycated hemoglobin for screening of diabetes in and around areas of Lucknow. J Family Med Prim Care 2017; 6: 366-373.
2. Khan MM, **Sonkar GK**, Alam R, Sangeeta S, Mehrotra S, Sonkar SK. Association of ADIPOQ gene variant rs266729 with circulatory adiponectin levels in patients with type 2 diabetes in North Indian Population: a case-control study. Biomed Pharmacol J 2017; 10: 407-417.
3. Fatima N, **Sonkar GK**, Tripathi S, Singh S. Screening of Inborn Errors of Metabolism – use of current and future technology in indian scenario. Int J Health Sci Res. 2017; 7(8):442-448.
4. Sonkar SK, Bhutani M, **Sonkar GK**, Pandey SK, Chandra S, Bhosale V. Vitamin D levels and other biochemical parameters of mineral bone disorders and their association with diastolic dysfunction and left ventricular mass in young non diabetic adult patients with chronic kidney disease. Saudi J Kidney Dis Transpl 2017; 28(4): 758-763.
5. Sonkar SK, Singh HP, **Sonkar GK**, Pandey S. Association of vitamin D and secondary hyperparathyroidism with anemia in Diabetic Kidney Disease. J Family Med Prim Care 2017; 6: (Accepted)

* Monographs

* Chapters in Books

1. Ayushi Jain and **Abbas Ali Mahdi** (2017). Neurological Consequences of Fluoride Toxicity, Book: Biomedical Sciences and Herbal Medicines, ISBN: 978-93-5056, Edited by: Prof. Abbas Ali Mahdi, Published by: Discovery Publishing House Pvt. Ltd., New Delhi (India), PP 44-59.
2. HomaJilani Khan, MurtazaAbid and **Abbas Ali Mahdi** (2017). Phytochemistry and Pharmacological Profile of Swertiachirayita (Roxb. ex Fleming) H. Karst., Book: Phytochemistry and Pharmacology of Medicinal Herbs, ISBN: 978-93-85995-46-0, Editors: Prof. Abbas Ali Mahdi, MurtazaAbid and Dr. M.M. Abid Ali Khan, Publisher: Lenin Media Private Limited, Delhi, India, Chapter 2 pp, 15-25.
3. Nishat Fatima, Mohammad Kaleem Ahmad, Jamal Akhtar Ansari, Zulfikar Ali and **Abbas Ali Mahdi** (2017). Therapeutic Significance, Phytochemistry and Pharmacological Activities of Anthocephalus cadamba (Roxb.) Miq: An Overview, Book: Phytochemistry and Pharmacology of Medicinal Herbs, ISBN: 978-93-85995-46-0, Editors: Prof. Abbas Ali Mahdi, MurtazaAbid and

Dr. M.M. Abid Ali Khan, Publisher: Lenin Media Private Limited, Delhi, India, Chapter 16, pp, 315-329.

4. Jamal Akhtar Ansari, Mohammad Kaleem Ahmad, Nishat Fatima, Abdul Rahman Khan, **Abbas Ali Mahdi** (2017). Zingiberofficinale Roscoe as a Natural Gift: An Overview of its Ethno-Medical Significance, Book: Phytochemistry and Pharmacology of Medicinal Herbs, ISBN: 978-93-85995-46-0, Editors: Prof. Abbas Ali Mahdi, MurtazaAbid and Dr. M.M. Abid Ali Khan, Publisher: Lenin Media Private Limited, Delhi, India, Chapter 17, pp, 330-345.
5. HomaJilani Khan, MurtazaAbid, M.M. Abid Ali Khan and **Abbas Ali Mahdi** (2017). Metal Analysis by Icp-Oes of Solanum nigrum L. Berries, Book: Phytochemistry and Pharmacology of Medicinal Herbs, ISBN: 978-93-85995-46-0, Editors: Prof. Abbas Ali Mahdi, MurtazaAbid and Dr. M.M. Abid Ali Khan, Publisher: Lenin Media Private Limited, Delhi, India, Chapter 19, pp, 366-374.
6. Jamal Akhtar Ansari, Nishat Fatima and **Abbas Ali Mahdi** (2017). Toxicity of Heavy Metals as Carcinogenic Agent: Mechanism and Prevention by Natural Products, Book: Molecular Biology and Pharmacognosy of Beneficial Plants, ISBN: 978-93-85995-56-9, Editors: Prof. Abbas Ali Mahdi, MurtazaAbid, Dr. M.M. Abid Ali Khan, Dr. M.I. Ansari and Dr. Raaz K. Maheshwari, Publisher: Lenin Media Private Limited, Delhi, India, Chapter 2, 20-33.
7. Shivani Pandey, Babita Singh, M.M. Abid Ali Khan and **Abbas Ali Mahdi** (2017). Neurogenic and Neuro-Protective Efficacy of Bacopamonniieri Extract in MPTP Mice Model of Parkinson's Disease, Book: Molecular Biology and Pharmacognosy of Beneficial Plants, ISBN: 978-93-85995-56-9, Editors: Prof. Abbas Ali Mahdi, MurtazaAbid, Dr. M.M. Abid Ali Khan, Dr. M.I. Ansari and Dr. Raaz K. Maheshwari, Publisher: Lenin Media Private Limited, Delhi, India, Chapter 6, 74-91.
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10. Dr. M.M. Abid Ali Khan, Dr. M.I. Ansari and Dr. Raaz K. Maheshwari, Publisher: Lenin Media Private Limited, Delhi, India, Chapter 10, 126-138.
11. Shivani Pandey, Satyndra Kumar Yadav, Babita Singh and **Abbas Ali Mahdi** (2017). Pharmacologic overview of Withaniasomnifera, the Indian Ginseng,

Book: Molecular Biology and Pharmacognosy of Beneficial Plants, ISBN: 978-93-85995-56-9, Editors: Prof. Abbas Ali Mahdi, MurtazaAbid, Dr. M.M. Abid Ali Khan, Dr. M.I. Ansari and Dr. Raaz K. Maheshwari, Publisher: Lenin Media Private Limited, Delhi, India, Chapter 14, pp 196-207.

12. Jamal Akhtar Ansari, Nishat Fatima, MurtazaAbid, T.S. Naqvi and **Abbas Ali Mahdi** (2018). Phytochemical and Pharmacological Review of *Musa paradisiacal* L., Book: Herbal Medicine and Modern Drug Discovery, ISBN: 978-93-85995-52-1 Editors: Prof. Abbas Ali Mahdi, MurtazaAbid, Dr. M.M. Abid Ali Khan, Dr. T.S. Naqvi and Dr. Raaz K. Maheshwari, Publisher: Lenin Media Private Limited, Delhi, India chapter 3, pp 40-49.
13. Nishat Fatima, Jamal Akhtar Ansari, T.S. Naqvi, Abdul Rahman Khan and **Abbas Ali Mahdi**, (2018). Phytochemicals: Unique Aspects as Anticancer Agents, Book: Herbal Medicine and Modern Drug Discovery, ISBN: 978-93-85995-52-1 Editors: Prof. Abbas Ali Mahdi, MurtazaAbid, Dr. M.M. Abid Ali Khan, Dr. T.S. Naqvi and Dr. Raaz K. Maheshwari, Publisher: Lenin Media Private Limited, Delhi, India chapter 6, pp 81-99.
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15. Chetna Mishra, Babita Singh and **Abbas Ali Mahdi** (2018). Review on *Mangifera indica* L. (Mango) with Potential Effects in Diabetes Associated with Dyslipidemia, Book: Herbal Medicine and Modern Drug Discovery, ISBN: 978-93-85995-52-1 Editors: Prof. Abbas Ali Mahdi, MurtazaAbid, Dr. M.M. Abid Ali Khan, Dr. T.S. Naqvi and Dr. Raaz K. Maheshwari, Publisher: Lenin Media Private Limited, Delhi, India chapter 10, pp 158-167.
16. Shivani Pandey, Babita Singh, M.M. Abid Ali Khan and **Abbas Ali Mahdi** (2018). Pharmacological Profile of *Bacopa monnieri*: An Approach to Prevention and Treatment of Diseases, Book: Herbal Medicine and Modern Drug Discovery, ISBN: 978-93-85995-52-1 Editors: Prof. Abbas Ali Mahdi, MurtazaAbid, Dr. M.M. Abid Ali Khan, Dr. T.S. Naqvi and Dr. Raaz K. Maheshwari, Publisher: Lenin Media Private Limited, Delhi, India chapter 11, pp 168-183.
17. M. M. Abid Ali Khan, MurtazaAbid, **Abbas Ali Mahdi** and HomaJilani Khan (2017). Phytochemistry and Medicinal uses of *Allium sativum* L. (Garlic): An Overview, Biochemistry and Therapeutic uses of Medicinal Plants, ISBN 978-93-5056-866-8, Editors: Prof. Abbas Ali Mahdi, MurtazaAbid and Dr. M.M. Abid Ali Khan, Published by Discovery Publishing House, New Delhi, India, Chapter 13, pp 174-183.

18. Jamal Akhtar Ansari, **Abbas Ali Mahdi**, Nishat Fatima and Abdul Rahman Khan (2017). *Tinosporacordifolia* (Willd.) Miers ex Hook. F. and Thoms. as a Potent Ethno-Medical Medicinal Plant: A Rational Review, *Biochemistry and Therapeutic uses of Medicinal Plants*, ISBN 987-93-5056-866-8, Editors: Prof. Abbas Ali Mahdi, MurtazaAbid and Dr. M.M. Abid Ali Khan, Published by Discovery Publishing House, New Delhi, India, Chapter 16, pp 233-242.
 19. Nishat Fatima, **Abbas Ali Mahdi**, Jamal Akhtar Ansari and Zulfiqar Ali (2017). *Ethnobotany, Phytochemistry and Pharmacology of Wrightiatinctoria: A Systematic Review*, , *Biochemistry and Therapeutic uses of Medicinal Plants*, ISBN 987-93-5056-866-8, Editors: Prof. Abbas Ali Mahdi, MurtazaAbid and Dr. M.M. Abid Ali Khan, Published by Discovery Publishing House, New Delhi, India, Chapter 17, pp 243-252.
 20. M.M. Abid Ali Khan, MurtazaAbid, HomaJilani Khan, Mohammad Abdur Rahman and **Abbas Ali Mahdi** (2017). *Phytochemistry and Therapeutic Properties of Phyllanthusniruri L. (Bhumi Amla):An Updated Review*, *Biochemistry and Therapeutic uses of Medicinal Plants*, ISBN 987-93-5056-866-8, Editors: Prof. Abbas Ali Mahdi, MurtazaAbid and Dr. M.M. Abid Ali Khan, Published by Discovery Publishing House, New Delhi, India, Chapter 18, pp 253-269
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* Booksedited
* Books with ISBN with details of publishers
1. **Biochemistry and Therapeutic uses of Medicinal Plants, ISBN 987-93-5056-866-8**, Editors: **Prof. Abbas Ali Mahdi**, MurtazaAbid and Dr. M.M. Abid Ali Khan, Published by Discovery Publishing House, New Delhi, India, 2016.
 2. **Phytochemistry and Pharmacology of Medicinal Herbs, ISBN: 978-93-85995-46-0** Editors: **Prof. Abbas Ali Mahdi**, MurtazaAbid, Dr. M.M. Abid Ali Khan and Dr. Raaz K. Maheshwari published by Lenin Media Pvt. Ltd, Delhi, India 2017.
 3. **Herbal Medicines and Modern Drug Discovery ISBN: 978-93-85995-52-1**,Editors: **Prof. Abbas Ali Mahdi**, MurtazaAbid, Dr. M.M. Abid Ali Khan, Dr. T.S. Naqvi and Dr. Raaz K. Maheshwari, Publisher: Lenin Media Private Limited, Delhi, India, 2018.
 4. **Biomedical Sciences and Herbal Medicines ISBN: 978-93-5056** Edited by:**Prof. Abbas Ali Mahdi**Published by: Discovery Publishing House Pvt. Ltd., New Delhi (India) 2017.
 5. **Molecular Biology and Pharmacognosy of Beneficial Plants ISBN: 978-93-85995-56-9** Editors: **Prof. Abbas Ali Mahdi**, MurtazaAbid,Dr. M.M. Abid Ali Khan, Dr. M.I. Ansari and Dr. Raaz K. Maheshwari Publisher: Lenin Media Private Limited, Delhi, India, 2017

- * Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.)
 - * Citation Index – range / average
 - * SNIP
 - * SJR
 - * Impact Factor – range / average
 - * h-index : 20
23. Details of patents and income generated: None
24. Areas of consultancy and income generated : NO
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad
26. Faculty serving in
- a) National committees b) International committees c) Editorial Boards d) any other (specify)

Dr. A. A. Mahdi

Member, Advisory/Expert Committee:

1. Member, Executive Committee, Council of Science & Technology, Government of Uttar Pradesh, Lucknow, 2015 - 2018.
2. Member, Advisory Committee, Chemical Sciences, Council of Science & Technology, Government of Uttar Pradesh, Lucknow, 2013-2016.

Member, Institute Body:

- * Member, Institute Body, Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow. 2014 – 2019.

Member, University Court:

- * Member, University Court, King George's Medical University, Lucknow. 2014-.

Member, Board of Governors:

- * Member, Board of Governors, S.R.M.S. Institute of Medical Sciences, Bareilly, 2005-till date.

Member, Academic Council:

1. Member, Academic Council, Integral University, Lucknow. 2014 - 17.

Member, Faculty Board:

1. Member, Committee of Advance Studies & Research (C.A.S.R.), Faculty of Medicine, Aligarh Muslim University, Aligarh. 2014 – 16.
2. Member, Faculty Board, Integral Institute of Medical Sciences & Research, Integral University, Lucknow. 2014 – 17

Member, Board of Studies:

1. Member, Board of Studies of the Interdisciplinary Brain Research Centre, Aligarh Muslim University, Aligarh. 2014 - 16.

Member, Editorial Board of Journals:

- a. Member, Editorial Board, Journal of Reproductive Biology and Health, 2013-.
- b. Member, Editorial Board, International Journal of Immunology, 2012-.
- c. Member, Editorial Board, Asian Journal of Reproductive Biology, 2012
- d. Member, Editorial Board, *Indian Journal of Clinical Biochemistry*.

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

- Faculties participate in workshops and training programs organized as per Guidelines of Medical Council of India.
- Basic Workshop on Medical Education Training Programme.
- ATCOM (Attitude & Communication skill)
- Competency Based Medical Education

28. Student projects

percentage of students who have taken up in-house projects including inter-departmental projects—about 50% (with Department of Medicine, Department of Surgery, Department of Anesthesia, Department of Ophthalmology, Department of ENT. Department of Periodontics, Department of Oral Dental Pathology, Department of Oral & Maxillofacial Surgery, Department of Prosthodontics etc.

percentage of students doing projects in collaboration with other universities / industry / institute - 10% Aligarh Muslim University, Aligarh; Allahabad University, Allahabad; Integral University, Lucknow and Era Medical College and Hospital, Lucknow.

29. Awards / recognitions received at the national and international level by

- Faculty:
- **Prof. Abbas Ali Mahdi** has taken over as Vice Chancellor of Era University, Lucknow.
- **Dr. Dilutpal Sharma** has taken over as Head, Department of Biochemistry, KGMU.
- **Dr. M. Kaleem Ahmad**, General Secretary, INSLAR
- Prof. Nurul Islam Award for best paper presentation in "6th Annual Meeting of Indian Academy of Biomedical Sciences" organized by Govt. Medical College, Bhavnagar & B.J. Medical College, Ahmedabad from 6th to 8th January 2017.
- Doctoral / post doctoral fellows
Dr. Ayushi Jain (PDF)

- Awarded for poster presentation at National Symposium on “Changing Trends in Medical Biochemistry in the new Millennium”, organized by the Department of Biochemistry, K.G. Medical University, Lucknow on 4th February 2017.
- Students
 - **Israr Ahmad** awarded first poster presentation award at National Symposium. “Changing Trends in Medical Biochemistry in the new Millennium” February 4th, 2017, organized by the Department of Biochemistry, King George’s Medical University, Lucknow
 - **Mohd Waseem** awarded poster presentation award First Indo-Russian Meet at 2nd International Conference on Biotechnological Advancement in Free Radical Biology and Medicine, January 23-25, 2017, Integral University, Lucknow

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

- 1.
- 2.

31. Code of ethics for research followed by the departments : Yes

32. Student profile program-wise:

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female

33. Diversity of students

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.

35. Student progression

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil,DM / M Ch / DNB	
PG to Ph.D.	
Ph.D. to Post-Doctoral	03/05; 60%
Employed <ul style="list-style-type: none"> Campus selection Other than campus recruitment 	
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	Nil
from other universities within the State	06
from universities from other States	02
from universities outside the country	Nil

37. Number of faculty who were awarded M.Phil.,DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period: None

38. Present details of departmental infrastructural facilities with regard to

- Library: Total No. of Textbooks available in the departmental library – 211 and total no. of Journals available in the department - 18
- Internet facilities for staff and students - Yes
- Total number of class rooms - 05
- Class rooms with ICT facility and ‘smart’class rooms - 04
- Students’ laboratories -Yes
- Research laboratories - Yes

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university –

Doctoral student: 1. Mr. Israr Ahmad 2. Mrs. KeertiAmeta 3. Ms. Babita Singh 4.Mrs. Versha Shukla 5.Vivek Singh 6.Saba Ubaid 7. Salma S.

Post-doctoral students:

- Dr. Sangeeta Singh, UGC Women Postdoctoral fellow
- Dr. NamrataRastogi, D.S.Kothari PDF, UGC
- Dr. SunainaGautam, D.S.Kothari PDF, UGC
- Dr. Uzma Shahab, Woman Scientist, UGC.

Doctoral student:

- Integral University, Lucknow
 - Mr. Sanchit Tiwari
 - Ms. Nazmin Fatima
 - Mrs. ChetnaMishra
 - Ms. Shweta Singh.
 - Ms. RidaSageer
 - Archana Mishra

8). KeertiRastogi

- Lucknow University, Lucknow
1) Mrs. Reena
- UPTU, Lucknow– 1) Ms. Meenakshi Shukla,

b) from other institutions/universities

40. Number of post graduate students getting financial assistance from the university. : None
41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.
42. Does the department obtain feedback from
- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes
 - b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes
 - c. alumni and employers on the programs offered and how does the department utilize the feedback? Yes
43. List the distinguished alumni of the department (maximum 10)
- i. Dr. Ashish Gupta, Assistant Professor, CBMR, SGPGI, Lucknow.
 - ii. Dr. BrijeshRathore, Associate Professor, Era's Lucknow Medical College &hospital, Lucknow.
 - iii. Dr. Sandeep Tripathi, Assistant Professor, NIMS, Jaipur, Rajasthan.
 - iv. Dr. Imran Khan, Assistant Professor, Saudi Arabia
 - v. Dr. Esha Madan, Postdoctoral Fellow, Ohio State UniversityMedical Centre, Columbus 43210, OH, USA; 4
 - vi. Dr. TabrezJafar, Scientist, Department of Geriatric Mental Health,KGMU Lucknow
 - vii. Dr. Ghizal Fatima, Research Associate, Department of Rheumatology,KGMU Lucknow
 - viii. Dr. Kamla Kant Shukla, Demonstrator, AIIMS Jodhpur
 - ix. Dr. Rashmi Jha, Postdoctoral Fellow, Winthrop University Hospital, Mineola, New York
 - x. Dr. ArshiyaParveen, Senior Demonstrator, Department of Molecular Medicine and Biotechnology, Sanjay Gandhi Postgraduate Institute of Medical Sciences (SGPGI), Lucknow, India
 - xi. Dr. Syed Husain Mustafa Rizvi, Postdoctoral Fellow, College of Nanoscale Science and Engineering, State University of New York, Albany, NY, USA

xii. Dr. Baby Anjum, Young Scientist, Department of Molecular Medicine and Biotechnology, Sanjay Gandhi Postgraduate Institute of Medical Sciences (SGPGI), Lucknow, India

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.
1. National Symposium on “Changing Trends in Medical Biochemistry in the new Millennium”, organized by the Department of Biochemistry, K.G. Medical University, Lucknow on 4th February 2017.
 2. 44th National Conference of Association of Clinical Biochemists of India (ACBICON 2017), held at Scientific Convention Centre at K.G. Medical University, Lucknow from 3rd to 6th December 2017.
45. List the teaching methods adopted by the faculty for different programs including clinical teaching.: Audio visual mode of teaching
46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored? : Summative and Formative assessment of the students.: Group discussions/ Seminars/Problem based learning
47. Highlight the participation of students and faculty in extension activities.
48. Give details of “beyond syllabus scholarly activities” of the department.
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. : Awareness programs on Lead and other toxic metals in schools and colleges of the city, state and various parts of the country.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Weakness

- Mainly shortage of space
- Paucity of funds

Strength -

1. Highly motivated and dedicated faculty.
2. Coherent and congenial working environment.
3. Updated infrastructure and research facilities.
4. Strong leadership, focussed vision, democratic and flexible environment in the department.
5. The teaching learning experience is inspirational, pleasurable, exciting, interesting

and ICT enabled.

6. Well established Clinical & Endocrinology labs having confidence of clinicians and patients.

52. Future plans of the department.

Provide strong educational programme to develop and enhance academic environment and to prepare graduates, post graduates and doctorates students in the field of Medical Biochemistry.

4. Declaration by the Head of the Institution

I certify that the data included in this Self-Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Signature of the Head of the institution

With seal:

Vice Chancellor
King George's Medical University, Uttar Pradesh
Lucknow

Place: Lucknow

Date: