

CURRICULUM VITAE

Name Dr. Akshay Kumar Arya
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Uttar Pradesh Medical Council (Reg no) 86110

EDUCATIONAL QUALIFICATION

Level	Degree	Institute	Award Year
10 th	High School	Rani LaxmiBai School, Lucknow	2001
12 th	Intermediate	Rani LaxmiBai School, Lucknow	2003
Undergraduate	MBBS	Himalayan Institute of Medical Sciences, Jolly Grant, Dehradun	2010
Postgraduate	MD (Microbiology)	Raichur Institute of Medical College, Raichur, RGUHS University, Karnataka	2019

Designation	Hospital	Service		Experience
		From	To	
Non-PG JR	VCSG Govt. Medical College, Srinagar (Uttarakhand) Department of Orthopedics	Jan, 2012	Jan, 2015	3 years
Post Graduate Resident	Raichur Institute of Medical College, Raichur, RGUHS University, Karnataka	May, 2016	May, 2019	3 years
Senior Resident	Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow, Uttar Pradesh	Feb, 2020	Feb, 2023	3 years
Assistant Professor	Dr. KNS Institute of Medical Sciences, Barabanki, Uttar Pradesh	06 th Feb 2023	26 th June, 2024	1 year 3 months 20 days
Assistant Professor	Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow, Uttar Pradesh	26 th June 2024	Current designation	3 months 24 days

WORK EXPERIENCE

Thesis Topic-

Detection of Multidrug resistance and characterization of mutation in Mycobacterium Tuberculosis isolates from Raichur district of Karnataka, using Line Probe Assay

Field of Interest –

Interested in: bacteriology, mycology, parasitology, serology, virology & molecular work with special emphasis on Antimicrobial Stewardship and Genomic sequencing.

Conference attended

Year-2017

- Attended **XXI Annual conference of IAMM(KC)** at VIMS, Ballari, Karnataka on 17th-18th February 2017
- Attended **XII Annual conference USAOICON 2017** at SGRRIMS, Dehradun on March 2017.

Year-2018

- Attended **42nd Annual National Conference MICROCON 2018** at NIMHANS, Bengaluru in November 2018.
- Attended **XXII Annual Conference of Indian Association of Medical Microbiologist (KC)** at MS Ramaiah Medical College, Bengaluru on 17th March 2018

Year-2019

- Attended **XXIII MICRO –KAR 2019 (IAMM-KC)** at SDM College of Medical Sciences and Hospital, Dharwad, Karnataka in February 2019.

Year-2020

- Attended **First virtual Annual National Conference E-MICROCON 2020** at Guwahati, Assam from 8th to 11th December 2020.

Year-2021

- Attended **XVII UP-UK MIROCON 2021** at AIIMS, Rishikesh on 15th March 2021.

Year-2022

- Attended **45th Annual National conference MICROCON 2022** at KIMS, Bhuvneshwar on 24th to 27th November 2022.

Workshop Attended

Year-2016

- Hands on training in **Rapid Molecular Detection of Tuberculosis and its resistance to Isoniazid and rifampicin by PCR based Line Probe Assay** at RIMS, Raichur from 14-19 November 2016.
- Hands on training in **Growth Detection of Mycobacterium tuberculosis in Liquid culture** using MGIT 960 at RIMS, Raichur from 12th-16th December 2016.
- Comprehensive training on **Routine Laboratory procedures and operations of BD MGIT960** system at RIMS Raichur, from 12th-16th December 2016.

Year-2017

- On **Apheresis** at Navodaya Medical College, Raichur, Karnataka on 21 September 2017.

Year-2018

- Attended Preconference workshop on **Molecular Diagnostic Tools and XXII Annual Conference of Indian Association of Medical Microbiologist (KC)** at MS Ramaiah Medical College, Bengaluru on 17th March 2018.
- Attended **“Virology posting NIMHANS-BENGALURU** in August 2018 for a period of **one month**.

Year-2021

- Attended workshop on **“Next generation sequencing”** in **XVII UP-UK-MICROCON-2021** on 15th March 2021.

Year-2022

- Conducted **Hands on Training of Leptospirosis** at SGPGIMS organized by NCDC-CDC, Lucknow on 22nd July 2022

Year-2023

- On **“Implementation of Infection prevention and control practices at resource constrain setting”** organized by **Integral Institute of Medical Science and Research** on 3rd May 2023.

Certificate Courses

Year-2022

- Done **certificate course on Antimicrobial Stewardship** conducted by **PHFI** on September 2022
- Done **Quality management system and internal audit in Medical Laboratories as per ISO15186:2012** on November 2022.

Seminar Attended

Year-2018

- Attended **National seminar on Dengue –Are we future Ready?** at JSS Hospital, Mysuru, Karnataka on 21-22nd April 2018.

CME attended

Year-2017

- On **Apheresis** at Navodaya medical college, Raichur, Karnataka on 21 September 2017.

Year-2018

- Attended **CME on Rapid Diagnostic Methods for Tuberculosis at RIMS**, Raichur on 25th August 2018.
- Attended **CME on Current trends in Vector Borne Viral diseases in Indian Scenario** at NMC, Raichur on 10th October 2018.

Year-2019

- Attended CME on **Update on Hemophilia** -2019 at RIMS, Raichur on 16th February 2019
- Attended CME on **Viral infection -An update** at Hind Institute of Medical Sciences on 28th September 2019.

Year-2020

- International Webinar on the theme "*Antibiotic Resistance: Renewed Fight*" being jointly organized by **American Society for Microbiology and All India Institute of Medical Sciences**, New Delhi on 7 - 8 October, 2020.

Year-2021

- Participated in webinar COVID-19 -Molecular Biology including Lab And patient safety organized by MELAP on 29-30th June 2021

Year-2022

- Participated in the AMR Masterclass webinar "*Decoding Antibiograms* " Held on Hosted by BD India on February 16th 2022
- Attended CME on **Tuberculosis updates** at SGPGIMS, Lucknow on 22nd March 2022.
- Attended CME on **COVID-19** organized by SGPGI-GADVASU-IVS-ASM held on 26th March 2022.
- Participation in the Webinar "*AMSP Awareness Series: Session 1.0*" Stop AMR: Now or Never as a Delegate on 25th May 2022.
- Participation in the Webinar "*AMSP Awareness Series: Session 2.0*" Time to broaden the horizon of AMSP: Resistance/Stewardship in Fungal, Parasitic Infections and Tuberculosis as a Delegate on 27th July 2022.

Paper presented at conferences

Year-2017

Poster presented

- Presented **Poster** on “*Detection of Multidrug resistance and characterization of mutations in Mycobacterium tuberculosis isolates in Raichur district*” in **Conference CME and XXI Annual conference of IAMM(KC)** at VIMS, Ballari.

Paper presented

- Presented **paper/oral** on “*Microbiological profile of endotracheal aspirate and endotracheal tube culture in mechanically ventilated patients*” at **XII Annual conference USAOICON 2017** at SGRRIMS, Dehradun.

Year-2018

Paper presented

- Presented **Paper/Oral** on “*A Retrospective Study for Detection of Inducible Resistance to Clindamycin in Staphylococcus aureus Isolates Using D-Test at RIMS Teaching Hospital, Raichur, India*” at **XXII Annual Conference of Indian Association of Medical Microbiologist (KC)** at MS Ramaiah Medical College, Bengaluru on March 2018

Poster presented

- Presented **Poster** in **45th Annual National conference MICROCON 2018** at **NIMHANS, Bengaluru** in November 2018.

Year-2019

Paper presented

- Presented a **Paper/oral** on “*Detection of Multidrug resistance and characterization of mutations in Mycobacterium tuberculosis isolates in Raichur district*” in **23rd MICRO –KAR 2019(IAMM-KC)** at SDM College of Medical Sciences and Hospital, Dharwad in February 2019.

Year-2021

Paper presented

- Presented **Paper/oral** on “*Evaluation of rapid antigen test as marker of COVID - 19 infectivity*” **XVII UP-UK MIROCON 2021** at **AIIMS, Rishikesh.**

Year-2022

Poster presented

- Presented **poster** on “*Rapid antimicrobial susceptibility testing by disk diffusion on early growth from positive blood culture bottle*” **45thAnnual National conference MICROCON 2022 at KIMS, Bhuvneshwar** on 24th to 27th November 2022.
- Presented **poster** on “*Assessing chip based rapid RTPCR test for SARS-CoV-2 detection (Truenat assay): A diagnostic accuracy study*” at **3rdResearch Day SGPGI Lucknow** on 13th December.

PapersPublished:

S.No.	Details of Paper	Impact Factor
1.	Arya AK, Garg A, Pal S, Sinha R, Tejan N, Pandey A, Ghoshal U, GARG A, TEJAN N, PANDEY A, GHOSHAL DU. Evaluation of Rapid Antigen Test as a Marker of SARS-CoV-2 Infectivity. Cureus. 2023 Mar 31;15(3).	1.2
2.	Ghoshal U, Garg A, Vasanth S, Arya AK, Pandey A, Tejan N, Patel V, Singh VP. Assessing a chip based rapid RTPCR test for SARS CoV-2 detection (TrueNat assay): A diagnostic accuracy study. PLoS One. 2021 Oct 13;16(10):e0257834.	3.7
3.	Garg A, Ghoshal U, Patel SS, Singh DV, Arya AK, Vasanth S, Pandey A, Srivastava N. Evaluation of seven commercial RT-PCR kits for COVID-19 testing in pooled clinical specimens. Journal of medical virology. 2021 Apr;93(4):2281-6.	12.7
4.	Arya AK, Naik RV, Arjun KV, Peerapur BV. Detection of Multidrug Resistance and Characterization of Mutations in Mycobacterium tuberculosis Isolates in Raichur District, India. Int. J. Curr. Microbiol. App. Sci. 2017;6(10):1543-9.	-

Papers under publication:

S.No.	Detail of paper	Journal
1.	Evaluation of Rapid antimicrobial susceptibility testing (RAST) by disk diffusion on early subculture growth from positive blood culture bottles. <i>Authors: Arya, Akshay; Chaudhary, Radhika; Sahu, Chinmoy; Sangram; Ghoshal, Ujjala; Tejan, Nidhi</i>	European Journal of Clinical Microbiology & Infectious Diseases Manuscript ID EJCM-D-23-01426 Impact factor -4.5
2.	Susceptibility profile of beta lactam- beta lactamase inhibitor combinations for multidrug resistant gram-negative microorganisms. <i>Authors: Radhika Chaudhary, ChinmoySahu, Akshay Arya, Mitra Kar, Sangram Singh Patel</i>	Access Microbiology Manuscript ID ACMI-D-23-00253 Impact factor -2.7

Membership Details:

S.No.	Status	Name	Year of Membership
1.	Life Member	Indian Association of Medical Microbiologists-Karnataka Chapter	2017
2.	Life Member	Indian Association of Medical Microbiologists	2023
3.	Life Member	Indian Association of Medical Microbiologists-UP/UK Chapter	2023
4.	Annual member	S-ASPI(Society of Antimicrobial Stewardship Practices)	2023

Awards& Achievements:

Award Name	Activity	Position	Place Name
Poster presentation	XXI Annual Conference of IAMM(KC)	First	VIMS, Ballari, Karnataka
Paper presentation	XIIth USAOICON-2017	Second	SGRRIM&HS, Dehradun, Uttarakhand
Covid warrior	For services given during covid period	On duty	SGPGIMS, Lucknow, UP