

## Prof. MURAT AKOVA

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### Education Information

Expertise In Medicine, Hacettepe University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, Turkey 1984 - 1989

### Research Areas

Medicine

### Academic Titles / Tasks

Professor, Hacettepe University, Tıp Fakültesi (İngilizce), Dahili Tıp Bilimleri Bölümü, 1998 - Continues

### Academic and Administrative Experience

Hacettepe Üniversitesi, Tıp Fakültesi, 2000 - 2006

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Incorporating ethics into infectious disease clinical practice guidelines**  
Righi E., Yahav D., Nasim A., AKOVA M., Barac A., Scudeller L., Nagavci B., Armellini M., Zanchi C., Shirin N., et al.  
CLINICAL MICROBIOLOGY AND INFECTION, no.4, pp.560-567, 2025 (SCI-Expanded)
- II. **Comparison of piperacillin-tazobactam and vancomycin (TZP-VAN) with piperacillin-tazobactam and teicoplanin (TZP-TEI) for the risk of acute kidney injury (CONCOMITANT): A prospective observational, multinational, multi-centre cohort study**  
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- III. **Infectious diseases ethics: a worldwide survey**  
Righi E., Mirandola M., Grossi A. A., AKOVA M., Tacconelli E., Fratucello A., Nasim A., Barac A., Yahav D.  
CLINICAL MICROBIOLOGY AND INFECTION, no.2, pp.282-289, 2025 (SCI-Expanded)

- IV. **Prevention and treatment of bacterial infections in patients with haematological cancers and haematopoietic stem cell transplantation: headways and shortcomings**  
ER A. G., Aslan A. T., Mikulska M., AKOVA M.  
CLINICAL MICROBIOLOGY AND INFECTION, no.1, pp.24-28, 2025 (SCI-Expanded)
- V. **The Heterogeneous Syndrome of Noninfectious Causes of Persistent Fever in Neutropenic Patients With Hematologic Malignancy: Another Opportunity for Stewardship?**  
Aslan A. T., AKOVA M., Kontoyiannis D. P.  
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- VI. **Hospital-acquired bloodstream infections in critically ill cirrhotic patients: a post-hoc analysis of the EUROBACT-2 international cohort study**  
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ANNALS OF INTENSIVE CARE, vol.14, no.1, 2024 (SCI-Expanded)
- VII. **Scientific misconduct in infectious diseases-European Society of Clinical Microbiology and Infectious Diseases survey**  
Tau N., AKOVA M., Barac A., Nasim A., Righi E., Yahav D.  
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- VIII. **Risk factors for bloodstream infections due to carbapenem-resistant Enterobacterales: a nested case-control-control study**  
Zhou H., Buetti N., Perez-Galera S., Bravo-Ferrer J., Gutierrez-Gutierrez B., Paniagua-Garcia M., Jan F., Sauser J., Kostyanev T., Canton R., et al.  
JOURNAL OF ANTIMICROBIAL CHEMOTHERAPY, vol.79, pp.2132-2141, 2024 (SCI-Expanded)
- IX. **Attributable mortality of candidemia - Results from the ECMM Candida III multinational European Observational Cohort Study**  
Salmanton-Garcia J., Cornely O. A., Stemler J., Barac A., Steinmann J., Sivakova A., AKALIN E. H., Arikan-Akdaglii S., Loughlinj L., Toscano C., et al.  
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- X. **Immunogenicity, reactogenicity, and safety of a second booster with BNT162b2 or full-dose mRNA-1273: A randomized VACCELERATE trial in adults aged  $\geq 75$  years (EU-COVAT-1-AGED Part B)**  
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- XI. **An Institutional Febrile Neutropenia Protocol Improved the Antibacterial Treatment and Encouraged the Development of a Computerized Clinical Decision Support System**  
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- XII. **Beyond conventional dosing: tailoring antimicrobial regimens for cachexia**  
KILINÇ E. E., BAYRAKTAR ALKAN İ., KARA E., DEMİRKAN S. K., AKOVA M.  
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- XIII. **Invasive Fungal Diseases in Adult Patients in Intensive Care Unit (FUNDICU): 2024 consensus definitions from ESGCIP, EFISG, ESICM, ECMM, MSGERC, ISAC, and ISHAM**  
Bassetti M., Giacobbe D. R., Agvald-Ohman C., AKOVA M., Alastruey-Izquierdo A., ARIKAN AKDAĞLI S., Azoulay E., Blot S., Cornely O. A., Cuenca-Estrella M., et al.  
Intensive Care Medicine, vol.50, no.4, pp.502-515, 2024 (SCI-Expanded)
- XIV. ***Pseudomonas aeruginosa* Bloodstream Infections Presenting with Septic Shock in Neutropenic Cancer Patients: Impact of Empirical Antibiotic Therapy**  
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- XV. **Attributable mortality of infections caused by carbapenem-resistant Enterobacterales: results from a prospective, multinational case-control-control matched cohorts study (EURECA)**

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- XVII. **Consensus position statement on advancing the standardised reporting of infection events in immunocompromised patients**  
Teh B. W., Mikulska M., Averbuch D., de la Camara R., Hirsch H. H., AKOVA M., Ostrosky-Zeichner L., Baddley J. W., Tan B. H., Mularoni A., et al.  
The Lancet Infectious Diseases, vol.24, no.1, 2024 (SCI-Expanded)
- XVIII. **Recent updates in treating carbapenem-resistant infections in patients with hematological malignancies**  
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- XIX. **Human memory T cell dynamics after aluminum-adjuvanted inactivated whole-virion SARS-CoV-2 vaccination**  
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- XX. **The Challenges of Vaccine Trial Participation among Underserved and Hard-to-Reach Communities: An Internal Expert Consultation of the VACCELERATE Consortium**  
Poulimeneas D., Koniordou M., Kousi D., Merakou C., Kopsidas I., Tsopele G. C., Argyropoulos C. D., Themistocleous S. C., Shiamakkides G., Constantinou M., et al.  
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- XXII. **Epidemiology and risk factors of 28-day mortality of hospital-acquired bloodstream infection in Turkish intensive care units: a prospective observational cohort study**  
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- XXIII. **VACCELERATE Site Network: Real-time definition of clinical study capacity in Europe**  
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- XXV. **Duration of antibiotic treatment and timing of oral switching for bloodstream infections: a survey on the practices of infectious diseases and intensive care physicians**  
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- XXVI. **Q Fever Endocarditis-Associated Immune Complex-Mediated Proliferative Glomerulonephritis: Fourth Case from Türkiye Q Ateşi Endokarditi İlişkili İmmün Kompleks Aracılı Proliferatif**

**Glomerülonefrit: Türkiye’den Dördüncü Olgu**

Ismayilov R., Acar B. N., KAPAR B., ERDUT A., ÖZDEDE M., Sağlam A., AKOVA M.

Mikrobiyoloji bulteni, vol.57, no.2, pp.293-300, 2023 (SCI-Expanded)

- XXVII. **Risk factors for Gram-negative bacterial infection of cardiovascular implantable electronic devices: multicentre observational study (CardINE Study)**  
Pascale R., Toschi A., Aslan A. T., Massaro G., Maccaro A., Fabbricatore D., Dell’Aquila A., Ripa M., Işık M. E., Kızmaz Y. U., et al.  
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- XXVIII. **Risk factors for infections caused by carbapenem-resistant Enterobacterales: an international matched case-control study (EURECA)**  
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- XXIX. **Epidemiology and outcomes of hospital-acquired bloodstream infections in intensive care unit patients: the EUROBACT-2 international cohort study**  
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- XXX. **Knowledge and Attitudes of Turkish Physicians towards Human Monkeypox Disease and Related Vaccination: A Cross-Sectional Study**  
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- XXXI. **Higher rates of cefiderocol resistance among NDM producing Klebsiella bloodstream isolates applying EUCAST over CLSI breakpoints**  
Isler B., Vatansever C., Özer B., ÇINAR G., ASLAN A. T., Falconer C., Bauer M. J., Forde B., Şimşek F., Tülek N., et al.  
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- XXXII. **Enhancing Public Health Communication Regarding Vaccine Trials: Design and Development of the Pan-European VACCELERATE Toolkit**  
Argyropoulos C. D., Leckler J., Salmanton-García J., Constantinou M., Alexandrou A., Themistocleous S., Noula E., Shiamakkides G., Nearchou A., Stewart F. A., et al.  
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- XXXIII. **Mycobacterial infections in adults with haematological malignancies and haematopoietic stem cell transplants: guidelines from the 8th European Conference on Infections in Leukaemia**  
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The Lancet Infectious Diseases, vol.22, no.12, 2022 (SCI-Expanded)
- XXXIV. **Foreword**  
Pagliuca A., AKOVA M.  
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- XXXV. **Treatment strategies for OXA-48-like and NDM producing Klebsiella pneumoniae infections**  
Isler B., Aslan A. T., AKOVA M., Harris P., Paterson D. L.  
EXPERT REVIEW OF ANTI-INFECTIVE THERAPY, vol.20, no.11, pp.1389-1400, 2022 (SCI-Expanded)
- XXXVI. **Pseudomonas aeruginosa Bloodstream Infections in Patients with Cancer: Differences between Patients with Hematological Malignancies and Solid Tumors**  
Royo-Cebrecos C., Laporte-Amargos J., Pena M., Ruiz-Camps I., Puerta-Alcalde P., Abdala E., Oltolini C., AKOVA M., Montejo M., Mikulska M., et al.  
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- XXXVII. **Comparison of ceftazidime-avibactam susceptibility testing methods against OXA-48-like carrying Klebsiella blood stream isolates**  
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- XXXVIII. **Relevance of the Consensus Principles for Appropriate Antibiotic Prescribing in 2022**  
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- XXXIX. **Piperacillin-Tazobactam Plus Vancomycin-Associated Acute Kidney Injury in Adults: Can Teicoplanin or Other Antipseudomonal Beta-Lactams Be Remedies?**  
Aslan A. T., Akova M.  
HEALTHCARE, vol.10, no.8, 2022 (SCI-Expanded)
- XL. **VACCELERATE Volunteer Registry: A European study participant database to facilitate clinical trial enrolment**  
Salmanton-García J., Stewart F. A., Heringer S., Koniordou M., Álvarez-Barco E., Argyropoulos C. D., Themistocleous S. C., Valle-Simón P., Spivak O., Součková L., et al.  
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- XLII. **Relative Vaccine Effectiveness of the Third Dose of CoronaVac or BNT162b2 Following a Two-Dose CoronaVac Regimen: A Prospective Observational Cohort Study from an Adult Vaccine Center in Turkey**  
SÖNMEZER M. Ç., TELLİ DİZMAN G., Erul E., ŞAHİN T. K., SARICAOĞLU T., Alp A., DURUSU TANRIÖVER M., UZUN Ö., ÜNAL S., AKOVA M.  
VACCINES, vol.10, no.7, 2022 (SCI-Expanded)
- XLIII. **COVID-19 vaccine booster strategy: striving for best practice**  
DURUSU TANRIÖVER M., AKOVA M.  
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- XLIV. **Is there still a room for improvement in antimicrobial use in a setting where use of broad-spectrum antibiotics require approval of an infectious diseases physician?**  
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- XLV. **Characteristics and outcomes of carbapenemase harbouring carbapenem-resistant Klebsiella spp. bloodstream infections: a multicentre prospective cohort study in an OXA-48 endemic setting**  
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- XLVI. **Barriers Against Hepatitis B Vaccination in High-Risk Adults: A Cross-Sectional Study**  
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- XLVII. **The ESCMID ethics advisory committee (EEAC): purpose and challenges Comment**  
Righi E., Yahav D., AKOVA M., Nasim A., Barac A.  
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- XLVIII. **Effect of Combination Antibiotic Empirical Therapy on Mortality in Neutropenic Cancer Patients with Pseudomonas aeruginosa Pneumonia**  
Albasanz-Puig A., Dura-Miralles X., Laporte-Amargos J., Mussetti A., Ruiz-Camps I., Puerta-Alcalde P., Abdala E., Otolini C., AKOVA M., Miguel Montejo J., et al.  
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- L. **The Role of Colistin in the Era of New beta-Lactam/beta-Lactamase Inhibitor Combinations**  
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- L. **CoronaVac efficacy data from Turkey – Authors' reply**

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- LI. **Untitled reply**  
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- LII. **Comparison of teicoplanin versus vancomycin in combination with piperacillin-tazobactam or meropenem for the risk of acute kidney injury**  
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- LIII. **Implementation of Pharmacist-Driven Antifungal Stewardship Program in a Tertiary Care Hospital**  
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- LIV. **Etiology and prevalence of ESBLs in adult community-onset urinary tract infections in East China: A prospective multicenter study**  
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- LV. **Expect the unexpected: fungemia caused by uncommon Candida species in a Turkish University Hospital**  
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- LVI. **Efficacy and safety of an inactivated whole-virion SARS-CoV-2 vaccine (CoronaVac): interim results of a double-blind, randomised, placebo-controlled, phase 3 trial in Turkey**  
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- LVII. **A randomized, double-blind, placebo-controlled phase III clinical trial to evaluate the efficacy and safety of SARS-CoV-2 vaccine (inactivated, Vero cell): a structured summary of a study protocol for a randomised controlled trial**  
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- LVIII. **Persistent dermal lesions in a patient with previous history of visceral leishmaniasis**  
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- LIX. **Antimicrobial de-escalation in the critically ill patient and assessment of clinical cure: the DIANA study**  
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- LX. **Fungal infections of the skin and soft tissue**  
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- LXI. **Understanding resistance in Pseudomonas**  
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- LXII. **Antimicrobial Stewardship in Hematological Patients at the intensive care unit: a global cross-sectional survey from the Nine-i Investigators Network**  
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- LXIII. **Global guideline for the diagnosis and management of mucormycosis: an initiative of the European Confederation of Medical Mycology in cooperation with the Mycoses Study Group Education and Research Consortium**  
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- LXIV. **Ultrastructural evaluation of urine alkalinization versus hydration on colistin-induced nephrotoxicity**  
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- LXV. **Extended spectrum beta-lactamase producing enterobacteriaceae: carbapenem sparing options**  
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- LXVI. **Dual Role of gnaA in Antibiotic Resistance and Virulence in Acinetobacter baumannii**  
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- LXVII. **Impact of antibiotic resistance on outcomes of neutropenic cancer patients with Pseudomonas aeruginosa bacteraemia (IRONIC study): study protocol of a retrospective multicentre international study**  
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## Supported Projects

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AKOVA M., HAZIROLAN G., DAĞ O., KÖYLÜ B., ASLAN A. T., Project Supported by Higher Education Institutions, Karbapenem Dirençli-Kolistin Dirençli Klebsiella pneumoniae ile Kan Akımı İnfeksiyonu Olan Hastaların Karbapenem Dirençli-Kolistin Duyarlı Klebsiella pneumoniae ile Kan Akımı İnfeksiyonu Olan Hastalarla 30 Günlük Kaba Mortalite Oranları Açısından Karşılaştırılması, 2020 - 2022

ÖZSÜREKÇİ Y., CEYHAN M., AKOVA M., TOPELİ İSKİT A., CENGİZ A. B., ALP A., ARASLI M., HALAÇLI B., AYKAÇ K., CURA YAYLA B., et al., Project Supported by Higher Education Institutions, COVID19 Pozitif Çocuklarda Erişkinlere Kıyasla İyi Klinik Seyir Sitokin ve Kemokin Cevaplarıyla Açıklanabilir mi?, 2020 - 2020

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## Non Academic Experience

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