

Academic Curriculum Vitae



Personal Information:

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Education:

- PhD in Aviation and Rocket Space Technology, Kazan National Research Technical University named after A. N. Tupolev – KAI, Kazan-Russia, 2017 - 2021.
- Master in Flight-Type Engines, Kazan National Research Technical University named after A. N. Tupolev – KAI, Kazan-Russia, 2014 - 2016.
- Bachelor in Aerospace Engineering, Kazan National Research Technical University named after A. N. Tupolev – KAI, Kazan-Russia, 2010 - 2014.
- International Center for Training, Technology Education and Business Development, Russia. Interpreter in the Field of Professional Communication, 2018 – 2021.
- High School, Kurdistan Preparatory for Boys (Scientific-Section) the end of the academic. Total Marks (640/7) six hundred & only forty, Erbil – Iraq, 2007 - 2008.

Employment:

- Laboratory assistant (Turbojet engine TJ-100A-Z), Kazan National Research Technical University named after A.N. Tupolev – KAI, Russia. 2019 – 2021.
- Lecturer, Salahaddin University - Erbil. College of Engineering, Aviation engineering department, 2021 – Present.

Qualifications

- The Course of Pedagogical Training for Teacher Professional, Salahaddin University - Erbil / Pedagogy Centre, Erbil, 2022.
- English Study, Salahaddin University - Erbil / Language Centre, Erbil, 2021.
- English Study, Certificate of Completion for the Need4speak English Language Course in Kazan, Russia, 2016.

- Russian Study, Russian language at Kuban State Technical University in Krasnodar, Russia, 2010.

Teaching experience:

- Aviation Legislation, undergraduate.
- Power Devices of Unmanned Aircraft, undergraduate.
- History of the Ukrainian State and Culture, undergraduate.
- Thermodynamics and Theory of Heat Engine, undergraduate.
- Aviation Security and Flight Safety Management System, undergraduate.
- Flaw Detection and Non-Destructive Methods of Control of Aircraft and Aircraft Engine.

Research and publications

- Ahmed, H.S.A. Multimode identification of obtaining an adequate model of a gas turbine engine for diagnostics based on thermogasdynamic parameters / H.S.A. Ahmed, B.M. Osipov // Bulletin of the Moscow Aviation Institute. - 2020. - T. 27. -No. 1. - P. 133 - 143.
- Ahmed, H.S. Multi-mode identification of obtaining an adequate model of the TJ-100A-Z turbojet engine for diagnostics based on thermogasdynamic parameters / H.S. Ahmed, B.M. Osipov // Bulletin of PNIPU. Aerospace engineering. - 2020. - No. 60. - P. 5 - 14.
- Ahmed, H.S.A. Diagnostic algorithm using a mathematical model of a gas turbine engine / H.S.A. Ahmed, B.M. Osipov // Bulletin of the Moscow Aviation Institute. - 2020. - T. 27. -No. 3. - P. 155 - 166.
- Ahmed, H.S. Diagnostics of a gas turbine engine with localization of defects in its components / H.S. Ahmed, B.M. Osipov // Bulletin of PNIPU. Aerospace engineering. - 2020. -No. 61. - P. 12 - 21.
- Ahmed, H. S., and B. M. Osipov. "Algorithm for Gas Turbine Engine Diagnostics with the Use of Empirical Mathematical Model." Russian Aeronautics 64 (2021): 297-304.
- Ахмед, Х.С, and Б.М Осипов. "Алгоритм диагностики газотурбинного двигателя с использованием математической модели, полученной по экспериментальным данным." Известия высших учебных заведений. Авиационная техника 2 (2021): 113-119.

Conferences and courses attended

- Ahmed, H.S. Development of a software module for diagnosing aircraft engines using thermogasdynamic parameters / B.M. Osipov, L.E. Urmanova, H.S. Ahmed // International student scientific conference "generation of the future". - St. Petersburg. - 2018. - P. 133 - 138.

- Ahmed, Heersh Saleem Ahmed. Improvement of a low-emission combustion chamber of a double-circuit gas turbine engine for a passenger aircraft for toxic emissions reduction/ Heersh Saleem Ahmed Ahmed, L.E. Urmanova // International scientific journal “Innovative Development”. -Perm, 2018. -No. 9 (26). - P. 30-33.
- Ahmed, Heersh Saleem Ahmed. Multimode identification of obtaining an adequate gas turbine engine model for diagnostics based on thermogasdynamic parameters / H.S.A. Ahmed, B.M. Osipov // All-Russian scientific and technical conference of young scientists and specialists “Aircraft engines and power plants”. - Moscow, 2019. - T. III. - P. 129 - 131.
- Ahmed, H.S. Diagnostics of an aircraft engine using thermogasdynamic parameters / H.S. Ahmed, B.M. Osipov // Tinchurinsky readings, program of the XIV International Youth Scientific Conference. - Kazan, 2019. - T. II. - P. 79 - 82.
- Ahmed, H.S. A. The use of generalized characteristics of the compressor and turbine in obtaining a mathematical model of the TJ-100 gas turbine engine for multi-mode identification / Heersh Saleem A. Ahmed, B.M. Osipov // International youth scientific conference “XXIV Tupolev Readings School of Young Scientists”. - Kazan, 2019. - T. III. - P. 186 - 189.
- Ahmed, Heersh Saleem Ahmed. "The Need for Development of Pumped storage Power Plants in Russia." In XXIV Tupolev Readings (school of young scientists), pp. 439-442. 2019.

Professional Social Network Accounts:

- <https://www.researchgate.net/profile/Heersh-Ahmed-2/savedlist>
- <https://scholar.google.com/citations?user=7hk2yAwAAAAJ&hl=en>
- <https://orcid.org/0000-0002-5720-1968>