

**Research topics in the discipline of security science
in the academic year 2021/2022**

| Lp. | PhD Supervisor | ORCID | Contact | Research topics |
|------------|-------------------------------------------|---------------------|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | dr hab. inż. Andrzej Dawidczyk, prof. UJK | 0000-0001-7006-0066 | andrzej.dawidczyk@ujk.edu.pl | <ol style="list-style-type: none"> 1. Directions of development of security methodology. New quantitative and qualitative methods in security sciences. 2. Strategy. State strategy system. 3. Strategic planning of security, defense and armed forces. 4. Strategic analysis as a special area of security methodology: applications for the use of the state, voivodship, commune and powiat, as well as the armed forces, police, other services. Mathematical methods of analysis. 5. Strategic review as a tool of state security and defense planning. |
| 2. | prof. dr hab. inż. Marian Kozub | 0000-0002-0450-1764 | marian.kozub@ujk.edu.pl lub marian@kozub.edu.pl | <ol style="list-style-type: none"> 1. National and international security in theoretical and practical terms; 2. Strategic security environment; 3. National and international security strategy (system); 4. Strategic studies on the security of the future; 5. Armed forces in the policy and strategy of national and international security (joint actions and operations, doctrines of the use and operation of armed forces, mainly of the air force in military and non-military conflicts); 6. Armed Forces of the Republic of Poland - evolution, transformation and training; |
| 3. | dr hab. Ryszard Niedźwiecki, prof. UJK | 0000-0003-1025-3602 | ryszard.niedzwiecki@ujk.edu.pl | <ol style="list-style-type: none"> 1. Strategic studies 2. Strategic doctrine 3. Security institutions |

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| | | | | 4. Security policy and strategy |
| 4. | dr hab. Marek Leszczyński, prof. UJK | 0000-0002-4951-1974 | marek.leszczynski@ujk.edu.pl | <ol style="list-style-type: none"> 1. Social security in crisis situations 2. Institutions, guards and inspections - security administration 3. Economic security of the state |
| 5. | dr hab. Mirosław Banasik, prof. UJK | 000-0002-9358-1240 | miroslaw.banasik@ujk.edu.pl | <ol style="list-style-type: none"> 1. The international security environment and its evolution 2. Threats to national and international security 3. Conducting international competition below the border of an open armed conflict 4. New generations of wars, gray zone wars, hybrid wars, unlimited wars, unconventional wars, irregular wars 5. Euro-Atlantic security 6. Crisis response operations, expeditionary and peace operations 7. Crisis management in Poland and NATO 8. The Russian Federation in the area of international security 9. Contemporary conflicts and the use of entities responsible for shaping national and international security, 10. Strategic planning of national and international security 11. Security of critical infrastructure 12. Operational capabilities of armed forces and non-military entities |
| 6. | dr hab. Jan Zych, prof. UJK | 0000-0002- 5602-8614 | jan.zych@cyberman.com.pl | <ol style="list-style-type: none"> 1. Education of managerial staff (modern security managers) of low, medium and high level; 2. Decision games, educational games, simulators, trainers, gamification, gamification for education for security; 3. Information security, threats „in” and „from” cyberspace as well as methods and techniques to counteract these threats; |

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| | | | | <ul style="list-style-type: none"> 4. Shaping personal security within martial arts systems (judo, kravmaga, karate, ju-jitsu, taekwondo, sambo, ...); 5. E-learning, blended learning, remote learning for safety; 6. Adaptation of modern technologies for security, AI (artificial intelligence), blockchain, VR (virtual reality), AR (augmented reality), cloud computing, IoT (Internet of Things), ICT, 5G, avatars, drones |
| 7. | dr hab. Marian Lutostański, prof. UJK | 0000-0003-3202-8262 | marian.lutostański@ujk.edu.pl | <ul style="list-style-type: none"> 1. Epistemological and ontological problems of security reality 2. Organization of strategic material reserves (mainly in the field of health protection) 3. Organizational and legal aspects of national and state security. 4. Problems related to studying security |