

Co-author declaration

According to Section 18.3 of the Regulations for the degree of Philosophiae Doctor (PhD) at the University of Tromsø - the Arctic University of Norway, it is required that when a written work is developed in collaboration with other authors, the student must adhere to the norms for co-authorship within the field, ensuring consistency with international standards.

To fulfill this requirement, a co-author declaration needs to be completed electronically and signed by the candidate and co-authors. Only the five most important co-authors of an article are required to sign the declaration.

For each article, the candidate should fill in the declaration and sign it. Afterwards, the declaration should be circulated to the other co-authors for their signatures. This process ensures compliance with the co-authorship guidelines and promotes transparency and accountability in collaborative research work. *If an equivalent detailed author declaration has already been completed for the publisher, you may submit that instead.*

Article no: 1

Authors: Mohsen Askar, Masoud Tafavvoghi, Lars Småbrekke, Lars Ailo Bongo, Kristian Svendsen

Title: Using machine learning methods to predict all-cause somatic hospitalizations in adults: A systematic review

The independent contribution of the candidate:

<p>Mohsen Askar Signature of the candidate</p> <p>Name (bold letters): MOHSEN ASKAR</p>	<p>Kristian Svendsen Signature of co-author 1</p> <p>Name (bold letters): KRISTIAN SVENDSEN</p>
<p>Any comments:</p>	<p>Masoud Tafavvoghi Signature of co-author 2</p> <p>Name (bold letters): MASOUD TAFAVVOGHI</p>
	<p>Lars Småbrekke Signature of co-author 3</p> <p>LARS SMÅBREKKE, Name (bold letters):</p>
	<p>Lars Ailo Bongo Signature of co-author 4</p> <p>LARS AILO BONGO Name (bold letters):</p>

Article no: 2

Authors: Mohsen Askar, Lars Småbrekke, Einar Holsbø, Lars Ailo Bongo, Kristian Svendsen

Title: Using network analysis modularity to group health code systems and decrease dimensionality in machine learning models

The independent contribution of the candidate:

Mohsen Askar Signature of the candidate Name (bold letters): MOHSEN ASKAR Any comments:	Kristian Svendsen Signature of co-author 1 Name (bold letters): KRISTIAN SVENDSEN
	Lars Småbrekke Signature of co-author 2 Name (bold letters): LARS SMÅBREKKE
	Einar Holsbø Signature of co-author 3 Name (bold letters): EINAR HOLSBO
	Lars Ailo Bongo Signature of co-author 4 Name (bold letters): LARS AILO BONGO

Article no: 3

Authors: Mohsen Askar, Beate Hennie Garcia, Kristian Svendsen

Title: Exploring multimorbidity patterns in older hospitalized Norwegian patients using Network Analysis modularity

The independent contribution of the candidate:




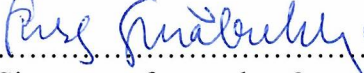

Mohsen Askar Signature of the candidate Name (bold letters): MOHSEN ASKAR Any comments:	Beate H. Garcia Signature of co-author 1 Name (bold letters): BEATE H. GARCIA
	Kristian Svendsen Signature of co-author 2 Name (bold letters): KRISTIAN SVENDSEN

Article no: 4

Authors: Mohsen Askar, Lars Ailo Bongo, Lars Småbrekke, Einar Holsbø, Kristian Svendsen



Title: Machine Learning-based prediction of non-elective hospitalizations in older Norwegians patients: A multi-register study using ensemble methods

The independent contribution of the candidate:

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<p>Any comments:</p>	<p>  Signature of co-author 2 LARS AILO BONGO Name (bold letters): </p>
	<p>  Signature of co-author 3 LARS SMÅBREKKE Name (bold letters): </p>
	<p>  Signature of co-author 4 EINAR J. HOLSBO Name (bold letters): </p>

The summary

The independent contribution of the candidate:

<p>  Signature of the candidate Name (bold letters) MOHSEN ASKAR </p>	<p>  Signature of main supervisor Name (bold letters) KRISTIAN SVENDSEN </p>
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