

Opis raziskovalnega dela (Research work description)

1. Članica UL (UL member):

UNIVERZA V LJUBLJANI, PEDAGOŠKA FAKULTETA (University of Ljubljana, Faculty of Education)

2. Ime, priimek in elektronski naslov mentorja/ice (Mentor's name, surname and email):

Stanislav Avsec , Stanislav.Avsec@pef.uni-lj.si

3. Raziskovalno področje (Research field):

Družboslovje/Vzgoja in izobraževanje/specialna didaktika (področje STEAM) (Social sciences / Education / Special didactics (STEAM))

4. Opis raziskovalnega dela (Research work description):

Vključuje morebitne dodatne pogoje, ki jih mora izpolnjevati kandidat/ka za mladega raziskovalca/ko, ki niso navedeni v razpisu za mlade raziskovalce (It includes any additional conditions that the candidate for a young researcher must meet, which are not listed in the call to tender for young researchers.).

Pedagoška fakulteta Univerze v Ljubljani išče mladega raziskovalca, ki bi se pridružil naši programski skupini »Strategije vzgoje in izobraževanja za trajnostni razvoj ob uporabi inovativnih na učečega osredinjenih izobraževalnih pristopov«, na področju raziskav sodobnih in visoko učinkovitih digitalno in z umetno inteligenco podprtih izobraževalnih ekosistemih za trajnostnost in odpornost. Skupina preučuje in razvija učinkovite strategije vzgoje in izobraževanja za trajnostni razvoj upoštevajoč zadnja znanstvena dognanja in učinkov hitrega razvoja digitalnih tehnologij in orodji vključno z modeli umetne inteligence primernih za implementacijo v izobraževanje. Mladi raziskovalec bo vključen v raziskovalno delo nove programske skupine, kjer bo:

- sooblikoval in evalviral prototipne rešitve, denimo strategije poučevanja, ki vključujejo problemsko delo, raziskovalno učenje, snovalsko in sistemsko razmišljanje, uporabo informacijsko-komunikacijske tehnologije, digitalnih orodji in umetne inteligence ter interdisciplinarne pristope (STEAM);
- aktivno sodeloval pri načrtovanju in izvedbi empiričnih raziskav (ankete, intervjuji, analiza učinkov pilotnih implementacij, ipd.) ter pri pripravi znanstvenih in strokovnih objav s poudarkom na izobraževanju za trajnostni razvoj;
- sodeloval pri razvoju predlogov modelov in smernic za učinkovito vključevanje trajnostnih vsebin v različne ravni izobraževanja (od predšolske vzgoje do terciarnega izobraževanja) in pri diseminaciji rezultatov (konference, delavnice, promocija raziskav na širši javnosti).

V okviru tega dela bo mladi raziskovalec deležen celostne podpore ter vodenja pri razvijanju svojega znanstvenoraziskovalnega in pedagoškega potenciala, vključno z možnostjo dodatnega strokovnega izobraževanja in udeležbe na domačih ter mednarodnih znanstvenih srečanjih, vključevanje v domače in mednarodne projekte, zato je zaželeno, da ima:

- aktivno znanje angleškega jezika,
- dobre pisne in ustne komunikacijske spretnosti,
- sposobnost sodelovanja v multidisciplinarnem in mednarodnem raziskovalnem okolju,
- osnovno znanje raziskovalne metodologije in analize podatkov z uporabo statističnih in računalniških orodij.

Pri svojem delu do kandidat uporabljal tudi spekter naprednih digitalno-tehnoloških rešitev, zato bodo imeli prednost pri izbiri kandidati z boljšim poznavanjem digitalnih orodji, umetne inteligence, računalniško podprtega modeliranja in izdelave.

The Faculty of Education at the University of Ljubljana is looking for a young researcher to join our programme group "Educational strategies for sustainable development using innovative learner-centred educational approaches", in the field of research on modern and highly effective digital and AI-based educational ecosystems for sustainability and resilience. The group studies and develops effective strategies for education for sustainable development, taking into account the latest scientific knowledge and the impact of the rapid development of digital technologies and tools including AI models suitable for implementation in education. The young researcher will be involved in the research work of the new programme group, where he/she will:

- co-design and evaluate prototype solutions, such as teaching strategies involving problem-based learning, exploratory learning, design and systems thinking, the use of ICT, digital tools and AI, and interdisciplinary approaches (STEAM);
- actively participate in the design and implementation of empirical research (surveys, interviews, analysis of the effects of pilot implementations, etc.) and in the preparation of scientific and professional publications with a focus on education for sustainable development;

- Participate in the development of proposals for models and guidelines for the effective integration of sustainability content in different levels of education (from pre-school to tertiary education) and in the dissemination of the results (conferences, workshops, promotion of research to the general public).

In the framework of this work, the young researcher will receive comprehensive support and guidance in developing his/her scientific research and teaching potential, including the opportunity for additional professional training and participation in national and international scientific meetings, involvement in national and international projects, and it is therefore desirable that he/she has:

- Active knowledge of English,
- good written and oral communication skills,
- the ability to work in a multidisciplinary and international research environment,
- basic knowledge of research methodology and data analysis using statistical and computer tools.

The candidate will also use a range of advanced digital technology solutions in their work and preference will be given to candidates with a deeper knowledge of digital tools, artificial intelligence, computer-aided modelling and manufacturing.

5. Priloge, ki jih kandidat priloži k prijavi (*Documents that the candidate submits with the application*):

☒ **diplomska listina/potrdilo o zaključku študijskega programa** (*diploma certificate for study programme, with which the candidate has enrolled/ will enroll in a doctoral degree programme*)

☒ **priloga k diplomii/ potrdilo o opravljenih obveznostih** (*official transcript of all the grades for study programme, with which the candidate has enrolled/will enroll in a doctoral degree programme*)

☒ **potrdilo o do sedaj opravljenih obveznostih z ocenami študijskega programa, s katerim se bo kandidat prijavil na študij** (*official transcript of all the grades the candidate has received so far for the study programme, with which the candidate will enroll to a doctoral degree programme*)

☒ **nagrade** (*awards (e.g. Prešeren Prize of the University of Ljubljana, Prešeren Prize of a University of Ljubljana member and/or another equivalent award)*)

☒ **bibliografija** (*bibliography*)

☒ **življenjepis** (*CV*)

☒ **motivacijsko pismo** (*motivation letter*)

☒ **opis dosedanjega sodelovanja pri raziskovalnem delu** (*description of the candidate's research work*)

☒ **osnutek idejne zasnove raziskovalnega dela** (*preliminary research proposal*)

☒ **priporočilno pismo** (*letter of recommendation*)

☐ **druge priloge** (*other attachments*)

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1. Članica UL (UL member):

Pedagoška fakulteta

2. Ime, priimek in elektronski naslov mentorja/ice (Mentor's name, surname and email):

Špela Razpotnik; spela.razpotnik@pef.uni-lj.si

3. Raziskovalno področje (Research field):

Socialna pedagogika, socialno vključevanje, socialna izključenost, medpresečnost, manjšine, ranljive družine

4. Opis raziskovalnega dela (Research work description):

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Slov.: Raziskovalec/raziskovalka bo delovala znotraj raziskovalnega področja socialne pedagogike. Raziskovanje bo sledilo osnovnim socialno pedagoškim konceptom in raziskovalnim usmeritvam.

Raziskovalno področje je usmerjeno na vstopanje v manjšinske skupine, ranljive družine, izključene iz izobraževanja ter družine z več izzivi. Raziskovanje usmerja medpresečna perspektiva, ki obenem upošteva več vidikov ranljivosti ter interakcije med njimi. Raziskovanje se usmerja še specifično na področje mladih, posebej mladih s kompleksnimi stiskami. Preko pristopa vstopanja v življenjsko polje oz. z upoštevanjem osnovne socialno pedagoške paradigme »usmerjenosti v življenjski svet« ter »participatornosti« in »etike udeležnosti« raziskovanje poseben poudarek daje prvoosebni perspektivi ter osrediščanju perspektiv različnih strok na uporabnike, mlado osebo, otroka ali družino. Namen raziskovanja ranljivih družin ter mladih s kompleksnimi stiskami je tudi analizirati sedanje manke na meddisciplinarnem področju dela, ki se s to skupino ukvarja, aplikativni cilj raziskovanja pa je med drugim akcijsko oblikovanje ranljivim skupinam in posameznikom bolj prilagojenih oblik dela. Akcijski cilji raziskave so usmerjeni v oblikovanje novih socialno pedagoških pristopov za delo z ranljivimi družinami ter okrepitev sedanjih, ki so v zametkih, razvoju ter se bodo tekom raziskovanja izkazali za potencialno uspešne.

Eng.: The researcher will work within the research field of social pedagogy. The research will follow main social pedagogical concepts and research orientations.

The research area focuses on entering minority groups, vulnerable families, families excluded from education and families with multiple challenges. The research is guided by an intersectional perspective that simultaneously considers multiple aspects of vulnerability and the interactions between them. The research also has a specific focus on young people, especially young people with complex difficulties. Through the approach of entering the everyday life field, and by taking into account the basic social pedagogical paradigm of 'life-world orientation' and 'participatory ethics', the research puts particular emphasis on the first-person perspective and focuses the perspectives on the young person, the child or the family. Research on vulnerable families and young people with complex needs also aims to analyse the current shortcomings in the interdisciplinary field of work dealing with this groups, and the applicative aim of the research is to design more action-oriented forms of work for vulnerable groups and individuals. The action-oriented objectives of the research are aimed at designing new social pedagogical approaches for working with vulnerable families and strengthening existing ones that are being developed and that will prove to be potentially successful in the course of the research.

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