

Opis raziskovalnega dela (Research work description)

1. Članica UL (UL member):

Naravoslovnotehniška fakulteta

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

izr. prof. dr. Marija Gorjanc, marija.gorjanc@ntf.uni-lj.si

3. Raziskovalno področje (Research field):

2.14.02 Tehnika - Tekstilstvo in usnjarstvo - Tekstilna kemija

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.).

Slov.: Strategija EU za trajnostne in krožne tekstilne izdelke določa vizijo in konkretne ukrepe za zagotovitev primernosti tekstilnih izdelkov do leta 2030, ki naj bi bili v čim večji meri izdelani brez nevarnih snovi. Prizadevanja za doseganje teh ciljev že potekajo, kar je razvidno iz vse večjega števila objavljenih raziskav, vendar se še vedno uporabljajo številne problematične kemikalije, npr. kovinske čimže (na osnovi kositra itd.), sintetična zamreževala, visoke koncentracije alkalij in soli, kar ni v skladu z novim akcijskim načrtom za krožno gospodarstvo oziroma z evropskim zelenim dogovorom. Pomembno je tudi ohranjanje neobnovljivih naravnih virov in razvoj ekološko sprejemljivih novih materialov. S tem prihaja v ospredje uporaba odpadnega rastlinskega materiala za razvoj funkcionalnih in zaščitnih tekstilij. Med odpadnimi rastlinami so zanimive invazivne tujerodne rastline in odpadki živilskopredelovalne industrije. Gre za poceni surovine iz obnovljivih virov, ki so biološko razgradljive, jih pa običajno zavrzemo. Program usposabljanja mladega raziskovalca/ke bo osredotočen na zagotavljanje rešitev, ki sledijo trajnostnim, nenevarnim, cenovno ugodnim in krožnim gospodarskim strategijam za razvoj novih, funkcionalnih in okolju prijaznih tekstilij z uporabo odpadnega rastlinskega materiala. Iz slednjega bodo ekstrahirane bioaktivne molekule, s katerimi se bo tekstilijo funkcionaliziralo za doseganje barvite, antioksidativno aktivne in zaščitne tekstilije. Za zagotovitev krožnega procesa in preprečevanja nastajanja odpadkov bo v tekstilne namene raziskana tudi valorizacija biomase po ekstrakciji.

Mladi raziskovalec/ka se bo usposabljal/a na Katedri za tekstilno in oblačilno inženirstvo Naravoslovnotehniške fakultete, v sklopu programske skupine P2-0213 Tekstilije in ekologija, kandidat/ka bo vpisana v doktorski študijski program Tekstilstvo, grafika in tekstilno oblikovanje.

Eng.: According to the EU strategy for sustainable and circular textiles, textile products placed on the market in the EU by 2030 should be free of hazardous substances. Efforts to achieve these goals are already underway, as can be seen from the increasing number of research papers. However, in terms of the European Green Deal and the new circular economy action plan, not much research is being done yet, as many problematic chemicals are still used in the functionalization of textiles, e.g., metallic mordants (tin, etc.), synthetic crosslinkers, high concentrations of NaOH and salts. It is also important to conserve non-renewable natural resources and develop ecologically sound new materials. Thus, the use of plant waste is coming to the forefront of research to develop functional and protective textiles. Among plant wastes, invasive alien plants and food industry wastes are of interest. These are cheap raw materials from renewable sources that are biodegradable, but we usually discard them. The training program for the young researcher will be focused on providing solutions that follow sustainable, non-hazardous, affordable, and circular economy strategies for the development of new, functional and environmentally friendly textiles using plant waste. From the latter, bioactive molecules will be extracted to functionalize textiles to obtain colourful, antioxidant active and protective textiles. To ensure the closed-loop process and waste prevention, the research on valorisation of biomass after extraction for textile application will be performed also.

Training of young researcher will be carried out at the Chair of Textile and Clothing Engineering, Faculty of Natural Sciences and Engineering, within the programme P2-0213 Textiles and Ecology, the candidate will be enrolled in the doctoral study program Textile Engineering, Graphic Communication and Textile Design.

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 diplomi/ 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*)

☒ **življenjepis** (*CV*)

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

Opis raziskovalnega dela (Research work description)

1. Članica UL (UL member):

Naravoslovnotehniška fakulteta / Faculty of Natural Sciences and Engineering

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

Boštjan Rožič - bostjan.rozic@ntf.uni-lj.si

3. Raziskovalno področje (Research field):

Geologija - vede o Zemlji / Geology – Earth Sciences

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.).

Slov.: Raziskava bo osredotočena na sedimentarni razvoj Alpskega prostora v izbranem geološkem obdobju. Obsegala bo terensko delo in sicer izdelovanje lokalnih geoloških kart, sedimentoloških profilov in analize kompleksnih izdankov kamnin. Nadaljne delo bo laboratorijsko in sicer s področja mikrofacijske analize, biostratigrafije in v okviru možnosti tudi izotopske ter elementarne kemostratigrafije. Ker bodo terenske raziskave potekale v visokogorju, mora kandidat/ka izkazovati primerno telesno pripravljenost, ter samostojnost pri transportu (vozniški izpit je skoraj zagotovo nepogrešljiv).

Eng.: The research will focus on the sedimentary evolution of the Alpine region in a selected geological period. It will include field work, namely the elaboration of local geological maps, sedimentological logs and the analysis of complex rock outcrops. Further work will be done in the laboratory, namely in the subfield of microfacies analysis, biostratigraphy and, if possible, isotopic and elemental chemostratigraphy. Since the field research will take place in high mountains, the candidate must demonstrate appropriate physical fitness and independence in transport (a driving licence is almost certainly indispensable).

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)

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☐ **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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Opis raziskovalnega dela (Research work description)

1. Članica UL (UL member):

Naravoslovnotehniška fakulteta

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

Aleš ŠOSTER, ales.soster@ntf.uni-lj.si

3. Raziskovalno področje (Research field):

Geologija / Mineralne surovine

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.).

Slov.:

Kandidat bo v okviru usposabljanja izvajal raziskave na področju skarnsko-metasomatskega rudišča Kope (Fe-Zn-Pb-Cu) na zahodnem Pohorju v severni Sloveniji. Raziskava bo zajemala geološko kartiranje, mineraloško in petrografsko analizo, geokemično karakterizacijo rud in kamnin, vključno z analizami elementov v sledovih in stabilnih izotopov, kot tudi geokronološke študije ključnih kamninotvornih in rudnih mineralov. Cilj raziskave je opredeliti značilnosti in čas delovanja hipotetičnega Pohorskega magmatsko-hidrotermalnega sistema, hkrati pa oceniti potencial pripadajočih rudišč za vsebnost dragih in strateško pomembnih kritičnih elementov, neobhodnih za razvoj trajnostnih zelenih tehnologij.

Kandidat bo izvedel detajlno terensko prospekcijsko in mora zato posedovati strokovne veščine za samostojno delovanje na terenu:

- Orientacija (branje topografskih kart, uporaba kompasa in prenosnega GPS-a),
- Sposobnost delovanja na brezpotjih,
- Izvajanje geološkega kartiranja,
- Sposobnost učinkovitega prepoznavanja kamnin, mineralov in con hidrotermalnih sprememb,
- Veljaven voziški izpit B kategorije,
- Uporaba osebne zaščitne opreme (očala, rokavice, čelada).

Kandidat bo velik del usposabljanja izvedel v laboratoriju. Laboratorijsko delo vključuje:

- Uporaba optičnega mikroskopa (presevna in odsevna petrografija),
- Delo z analitičnimi instrumenti (vrstični elektronski mikroskop, elektronska mikrosonda, LA-ICP-MS),
- Priprava vzorcev (razrez, drobljenje, motorična spretnost za pripravo mineralnih separatov),
- Uporaba osebne zaščitne opreme (očala, rokavice, zaščitna maska, laboratorijska halja),
- Delo s potencialno toksičnimi minerali (vsebnost As, Sb, Pb, Tl, Hg).

Poleg tega mora kandidat imeti strokovno znanje na področju napredne mikroskopije rud in dobro temeljno razumevanje rudotvornih procesov. Prednost bodo imeli kandidati, ki so že opravljali raziskovalne naloge na temo nastanka rudišč. Zaželeno je poznavanje regionalne geologije ter metod za geokemično določevanje provenience in tektonskega okolja nastanka magmatski in sedimentnih kamnin.

Kabinetno delo, vključuje analizo, interpretacijo in predstavitev rezultatov:

- Obdelava podatkov,
- Interpretacija rezultatov,
- Uporaba osnovnih in naprednih statističnih metod,
- Znanje uporabe programov: MS Word, MS Excel, MS Powerpoint, orodja za vektorsko oblikovanje (Corel Draw, Adobe Illustrator, ...), Index ICGas.

Idealen kandidat mora biti visoko motiviran, neodvisen, inovativen, intelektualno radoveden in globoko predan projektu, z močno željo po učenju. Kandidat mora imeti dobre komunikacijske sposobnosti, zlasti pri komunikaciji

z deležniki (aktivna raba slovenščine; lastniki zemljišč, uradne osebe) kakor tudi s partnerji v zunanjih laboratorijih v tujini (aktivna raba angleščine). Zelo zaželeno je dobro znanje pisane in govorjene angleščine. Kandidat bo en semester preživel v tujini, kjer bo opravljal analitično delo.

Eng.:

The candidate will be appointed to conduct an exploration campaign focused on the Kope skarn-type (Fe-Zn-Pb-Cu) deposit in the Pohorje Mts., Northern Slovenia. This investigation will encompass geological mapping, mineralogical and petrographical analysis, geochemical characterization of ores and rocks, including trace elements and stable isotope analyses, as well as geochronological studies of key ore- and rock-forming minerals. The objective of the research is to delineate the characteristics and timing of the hypothesized Pohorje magmatic-hydrothermal system, while evaluating the potential of the associated deposits to host valuable and strategically important critical elements, essential for the development of sustainable green technologies.

The candidate will participate in a field campaign and must therefore demonstrate proficiency geological field exploration techniques, including:

- Orienteering (reading topographical maps, using compass and portable GPS),
- Navigating in the wilderness with no available roads,
- Conduct geological mapping,
- Capable of effectively identifying rocks, minerals and hydrothermal alteration zones,
- Valid driver's license category B,
- Use of personal protective equipment (safety goggles, gloves, helmet).

A substantial portion of the candidate's training will take place in the laboratory. Laboratory activities include:

- The use of optical microscopes (reflected and transmitted light petrography),
- Work with analytical equipment (scanning electron microscope, electron microprobe, LA-ICP-MS),
- Sample preparation (cutting, crushing, sufficient fine motoric skills to prepare mineral separates),
- Use of personal protective equipment (safety goggles, lab coat, gloves, protective mask),
- Work with potentially toxic minerals (containing As, Sb, Pb, Tl, Hg).

Additionally, the candidate must possess expertise in advanced ore microscopy and a strong foundational understanding of ore-forming processes. Candidates with prior research experience in ore formation will be given preferential consideration. A strong understanding of regional geology, along with expertise in geochemical techniques for determining the provenance and tectonic setting of igneous and sedimentary rock formation, is highly desirable.

The Cabinet work includes analysis and interpretation of data:

- Data curation and management,
- Interpretation of the results,
- The use of basic and advanced statistics,
- Proficiency in utilizing specialized computer software for data analysis: MS Word, MS Excel, MS Powerpoint, tools for vector design (e.g. Corel Draw, Adobe Illustrator), Imdex IoGas.

The ideal candidate should be highly motivated, independent, innovative, intellectually curious, and deeply committed to the project, with a strong eagerness to learn. The candidate must have good communication skills with principal stakeholders (fluent in Slovenian; landowners, officials) as well as communicate with partners from external laboratories (English language). Proficiency in both spoken and written English is highly desirable. The candidate will spend a semester abroad conducting analytical work.

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

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

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

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

Opis raziskovalnega dela (*Research work description*)

1. Članica UL (*UL member*):

Univerza v Ljubljani, Naravoslovnotehniška fakulteta

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

Milan Terčelj, milan.tercelj@ntf.uni-lj.si

3. Raziskovalno področje (*Research field*):

Uporabna geofizika, Merstvo, Geotehnologija, Materiali in Umetna inteligenca

4. Opis raziskovalnega dela (*Research work description*):

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Slov.: Delo MR bo obsegalo izvajanje meritev, shranjevanje merjenih podatkov, organizacijo podatkov v podatkovne vire in njihovo analizo s pomočjo mehke logike. Zaželeno je, da ima kandidat znanja s področji Uporabe geofizike, Merstva, Materialov, Umetne inteligence in sorodnih področji tehnike in naravoslovja. Od kandidata pričakujemo računalniško pismenost, poznavanje GIS in CAD orodij.

Eng.: JR's work will consist of performing measurements, storing measured data, organizing data into data sources and analysing them with the help of fuzzy logic. It is desirable that the candidate has knowledge in the fields of Applied Geophysics, Measurement, Materials, Artificial Intelligence and related fields of technology and natural sciences. We expect computer literacy, knowledge of GIS and CAD tools from the candidate.

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

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- ☐ **opis dosedanjega sodelovanja pri raziskovalnem delu** (*description of the candidate's research work*)
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Opis raziskovalnega dela (Research work description)

1. Članica UL (UL member):

Naravoslovnotehniška fakulteta

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

Maja Vončina, maja.voncina@ntf.uni-lj.si

3. Raziskovalno področje (Research field):

2 Tehnika
2.04 Materiali
2.04.02 Kovinski materiali

4. Opis raziskovalnega dela (Research work description):

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Slov.: Raziskovalna naloga bo obravnavala vpliv dodatka elementov redkih zemelj (RE) na fazna ravnotežja in mikrostrukturo zlitin iz sistema Al-Si-Mg, pri čemer se bomo osredotočili na razvoj faz med strjevanjem in toplotno obdelavo. Eksperimentalni del bo vključeval izdelavo različnih eksperimentalnih zlitin z natančno določenimi vsebnostmi redkih zemelj, in uporabo metalografskih tehnik, kot sta vrstična elektronska mikroskopija (SEM) in rentgenska difrakcija (XRD) za opredelitev nastalih faz. S pomočjo diferenčne vrstične kalorimetrije (DSC) bomo preučili značilne temperature prehoda in vpliv RE na temperaturne meje faznih transformacij. S termodinamičnimi simulacijami z uporabo programske opreme, kot je Thermo-Calc, bomo simulirali ravnotežne faze in jih primerjali z eksperimentalnimi rezultati. Poseben poudarek bo namenjen vplivu RE na stabilnost intermetalnih spojin, velikost in porazdelitev faz in izločkov, saj ti dejavniki pomembno vplivajo na mehanske lastnosti zlitin. Poleg tega bo raziskava vključevala analizo vpliva dodatkov RE na toplotno obdelavo ter mehanskih lastnosti po toplotni obdelavi.

Cilj raziskave je raziskati mehanizme vpliva RE na fazna ravnotežja in s tem prispevati k razvoju optimiziranih Al-Si-Mg zlitin za izboljšano strukturno in funkcionalno zmogljivost. S tem celovitim pristopom lahko pridobimo globok vpogled v kompleksne interakcije med RE in Al-Si-Mg matrico, kar omogoča razvoj novih zlitin z izboljšanimi lastnostmi za specifične aplikacije.

Zaželeno je, da imajo kandidati naslednja znanja:

- osnovna znanja s področja materialov: termodinamika materialov, fizikalna metalurgija, ...
- poznavanje metod termičnih analiz (DSC, TG, DTA, ...) in
- termodinamičnega modeliranja (Thermo-Calc)

Eng.: The research project deals with the influence of the addition of rare earths (RE) on the phase equilibria and the microstructure of alloys from the Al-Si-Mg system, focusing on the evolution of the phases during solidification and heat treatment. The experimental part includes the production of different test alloys with well-defined rare earth contents and the application of metallographic techniques such as scanning electron microscopy (SEM) and X-ray diffraction (XRD) to characterize the resulting phases. Differential scanning calorimetry (DSC) is used to investigate the characteristic temperature transitions and the influence of RE on the temperature limits of the phase transformations. Thermodynamic simulations with software such as Thermo-Calc will simulate the equilibrium phases and compare them with the experimental results. Particular attention will be paid to the influence of RE on the stability of intermetallic compounds, the size and distribution of phases and precipitates, as these factors significantly influence the mechanical properties of alloys. In addition, the research will include an analysis of the influence of RE additions on heat treatment and mechanical properties after heat treatment.

The aim of the research is to investigate the mechanisms of RE influence on phase equilibria and thus contribute to the development of optimized Al-Si-Mg alloys for improved structural and functional performance. With this comprehensive approach, we can gain deep insights into the complex interactions between RE and Al-Si-Mg matrix, enabling the development of new alloys with improved properties for specific applications.

It is desirable that applicants have the following knowledge:

- basic knowledge in the field of materials: thermodynamics of materials, physical metallurgy, ...
- knowledge of thermal analysis methods (DSC, TG, DTA, ...) and
- thermodynamic modeling (Thermo-Calc)

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

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1. Članica UL (UL member):

Naravoslovnotehniška fakulteta (Faculty of Natural Sciences and Engineering)

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

Izr. prof. dr. Urška Vrabič Brodnjak; e-mail: urska.vrubic@ntf.uni-lj.si

3. Raziskovalno področje (Research field):

Znanost o materialih, trajnostni embalažni materiali (Materials science, Sustainable packaging materials)

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.).

Slov.:

Mladi raziskovalec se bo vključil v delo na Oddelku za tekstilstvo, grafiko in oblikovanje in sicer na Katedri za informacijsko in grafično tehnologijo. Prav tako bo vključen v raziskovalni program P2-0450: Inovativna grafična tehnologija. Vabljeni so kandidati ali kandidatke z dokončanim magistrskim študijem (2. bolonjska stopnja) iz področja naravoslovnih ali tehniških ved. Tema raziskovanja bodo trajnostni embalažni materiali, pri čemer se bodo vključevali tudi reciklabilni/kompostabilni/biorazgradljivi adhezivi oz. lepila. Ključna komponenta trajnostne embalaže niso le materiali sami, temveč tudi lepila, ki igrajo ključno vlogo pri sestavi embalaže, lepljenju etiket in zapiranju embalažnih komponent ipd. Neprimerna lepila pogosto ovirajo reciklažo in biorazgradnjo embalaže, zato je razvoj trajnostnih lepil nujen za doseganje celovitih, krožnih, embalažnih rešitev.

Odgovornosti mladega raziskovalca: 1. Izpolnjevanje obveznosti v okviru doktorskega študijskega programa, 2. Izvajanje poglobljenih pregledov literature, 3. Načrtovanje, organizacija in izvedba eksperimentalnih raziskav, 4. Obdelava, interpretacija in kritična analiza pridobljenih podatkov, 5. Sodelovanje in timsko delo 6. Objavljanje znanstvenih člankov ter predstavitev rezultatov na nacionalni in mednarodni ravni.

Kvalifikacije: 1. Magistrska izobrazba na področju naravoslovja ali tehnike, 2. Poznavanje izvajanja laboratorijskih poskusov/eksperimentalnega dela. 3. Osnovno znanje o analizi podatkov z uporabo statističnih in računalniških orodij. 4. Pisne in ustne komunikacijske spretnosti v slovenskem in angleškem jeziku. 5. Sposobnost sodelovanja v multidisciplinarnem in mednarodnem raziskovalnem okolju.

Mladi raziskovalec bo vključen v dinamično raziskovalno okolje in bo imel priložnost aktivne udeležbe na domačih in mednarodnih znanstvenih srečanjih, vključitvijo na projektih in podporo pri objavljanju rezultatov v uglednih domačih in mednarodnih znanstvenih revijah.

Eng.:

The junior researcher will work in the Department of Textiles, Graphics and Design, at the Chair of Information and Graphic Technology. He/she will also be involved in the research programme P2-0450: Innovative Graphic Technology. Applicants with a completed Master's degree (2nd Bologna cycle) in the field of natural or engineering sciences are invited. The research topic is sustainable packaging materials, including recyclable/compostable/biodegradable adhesives. A key component of sustainable packaging is not only the materials themselves, but also the adhesives, which play a key role in the assembly of packaging, the application of labels and the sealing of packaging components, etc. Unsuitable adhesives often hinder the recycling and biodegradation of packaging. The development of sustainable adhesives is therefore essential for comprehensive, recyclable packaging solutions.

Tasks of a junior researcher: 1. fulfilling the obligations of doctoral studies, 2. conducting in-depth literature research, 3. planning, organising and conducting experimental research, 4. processing, interpreting and critically analysing the data obtained, 5. collaboration and teamwork 6. publishing scientific articles and presenting the results at national and international level.

Qualifications: 1. Master's degree in the field of science or engineering, 2. knowledge of conducting laboratory experiments/experiments. 3. Basic knowledge of data analysis using statistical and computer programmes. 4.

Written and oral communication skills in Slovenian and English. 5. Ability to work in a multidisciplinary and international research environment.

The young researcher will work in a dynamic research environment and will have the opportunity to actively participate in national and international scientific meetings, projects and contribute to the publication of results in prestigious national and international journals.

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 diplomi/ 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*)