



**Politecnico  
di Torino**

Nucleo  
Dottorato di Ricerca

Graduatoria di ammissione ai  
corsi di dottorato di ricerca di interesse nazionale con sede  
amministrativa presso il Politecnico di Torino

**Materiali, Processi Sostenibili e Sistemi per la Transizione  
Energetica**

39° Ciclo

**Totale posti ordinari disponibili: 32**

**Riepilogo borse disponibili:**

1	CNR - 2D thermoelectric materials for wearable electronic	Borsa a tematica vincolata
1	CNR - Sustainable materials for sodium-based battery	Borsa a tematica vincolata
1	DISAT - Water-based production of high energy lithium-ion cells	Borsa a tematica vincolata
1	IIT - ADVANCED and IN-OPERANDO characterization of catalysts for key reactions (CO <sub>2</sub> RR, CORR, HER, OER, ORR) in the energetic transition	Borsa a tematica vincolata
1	IIT - Development of low-dimensional material based light-driven nanoscale devices	Borsa a tematica vincolata
1	IIT - Innovative approaches for the production from renewable sources of high-quality bioactive fractions	Borsa a tematica vincolata
1	INRIM - Passive radiative emitters for daytime sub-ambient cooling	Borsa a tematica vincolata
1	MUR DM 117/ NOVAC - Energy storage materials and processes for supercapacitors	Borsa a tematica vincolata
1	MUR DM 117/GEMMATE - Design of photoelectrochemical devices for a direct transformation of sunlight and CO <sub>2</sub> into chemicals for energy storage	Borsa a tematica vincolata
1	MUR DM 117/JEOL Spa/Università Roma La Sapienza - Electron diffraction and microscopy for the study of advanced materials for energy transition	Borsa a tematica vincolata
1	MUR DM 117/NEW CLEO - Development of protective coatings on structural steels for Lead Fast Reactor (LFR) applications	Borsa a tematica vincolata
1	MUR DM 117/NEWCLEO - Development and characterization of coatings for corrosion protection of nuclear fuel claddings in Lead Fast Reactor environment	Borsa a tematica vincolata

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e della Ricerca



**Italiadomani**  
PIANO NAZIONALE  
DI RIPRESA E RESILIENZA



1	MUR DM 117/NEWCLEO - Development and characterizations of structural steels welds for Lead Fast Reactor (LFR) applications	Borsa a tematica vincolata
1	MUR DM 117/NEWCLEO - Development of advanced structural materials resistant to liquid lead corrosion for Lead Fast Reactor (LFR) applications	Borsa a tematica vincolata
1	MUR DM 117/POLLUTION - Development, functionalization and integration of MEMS devices in innovative analytical GCs	Borsa a tematica vincolata
1	MUR DM 117/VISHAY - Physical Models for spice simulation of wide band gap device	Borsa a tematica vincolata
1	MUR DM 117/VISHAY - Design criteria for Silicon and SiC power module based converters	Borsa a tematica vincolata
1	MUR DM 117/VISHAY - Designing and testing wide bandgap power devices to achieve higher reliability and ruggedness	Borsa a tematica vincolata
1	MUR DM 117/VISHAY - Models for evaluation and simulation of complex magnetic ferrite component for E_mobility	Borsa a tematica vincolata
1	MUR DM 118 - Advanced Gas Separation membranes for hydrogen technologies	Borsa a tematica vincolata
1	MUR DM 118 - Computational design of molecular solar thermal fuels	Borsa a tematica vincolata
1	MUR DM 118 - Electrochemical conversion of CO2 into added-value chemicals	Borsa a tematica vincolata
1	MUR DM 118 - Green hydrogen production with water splitting catalyzed by quantum materials	Borsa a tematica vincolata
1	MUR DM 118 - Innovative and sustainable semiconducting materials for ionizing radiation detection	Borsa a tematica vincolata
1	MUR DM 118 - Multiscale characterization of advanced materials and innovative devices for energy transition	Borsa a tematica vincolata
1	MUR DM 118 - Next-generation solar cells based on quantum materials	Borsa a tematica vincolata
1	MUR DM 118 - Protection against exposure to nanomaterials	Borsa a tematica vincolata
1	MUR DM 118 - Sustainable biocatalytic processes for waste valorization and production of new high value compounds	Borsa a tematica vincolata
1	MUR DM 118 - Sustainable unconventional materials for energy harvesting and sensing applications by integration of organic and calcogen radical dopant	Borsa a tematica vincolata
1	MUR DM 118 - Thermoplasmonic solar membrane distillation for seawater desalination	Borsa a tematica vincolata



1	MUR DM 118 - Utilization of oxygen generated by the electrolysis of water for hydrogen production	Borsa a tematica vincolata
1	MUR DM117/AIZOON-Development and optimization of mechanical recycling processes of polyolefins aimed at achieving the requirements set by food-contact	Borsa a tematica vincolata

## CANDIDATI VINCITORI

User	Punteggio	Idoneità Borse Vincolate	Rinuncia borse	Assegnato	Note
F532263	95	MUR DM 118 - Computational design of molecular solar thermal fuels	--	MUR DM 118 - Computational design of molecular solar thermal fuels	Ammissione con riserva*
F531323	92.5	MUR DM 118 - Electrochemical conversion of CO2 into added-value chemicals  MUR DM 118 - Advanced Gas Separation membranes for hydrogen technologies	--	MUR DM 118 - Advanced Gas Separation membranes for hydrogen technologies	
F537477	92	MUR DM 118 - Sustainable biocatalytic processes for waste valorization and production of new high value compounds  IIT - Innovative approaches for the production from renewable sources of high-quality bioactive fractions	--	IIT - Innovative approaches for the production from renewable sources of high-quality bioactive fractions	
F537552	91	MUR DM 117/JEOL Spa/Università Roma La Sapienza - Electron diffraction and microscopy for the study of advanced materials for energy transition  MUR DM 118 - Innovative and sustainable semiconducting materials for ionizing radiation detection  CNR - 2D thermoelectric materials for wearable electronic	--	MUR DM 118 - Innovative and sustainable semiconducting materials for ionizing radiation detection	Ammissione con riserva*  Precede per minor età
F534800	91	IIT - Development of low-dimensional material based light-driven nanoscale devices	--	IIT - Development of low-dimensional material based light-driven nanoscale devices	Ammissione con riserva*  Precede per minor età
F535934	91	CNR - Sustainable materials for sodium-based battery		MUR DM 117/ NOVAC - Energy storage materials and processes for supercapacitors	

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User	Punteggio	Idoneità Borse Vincolate	Rinuncia borse	Assegnato	Note
		DISAT - Water-based production of high energy lithium-ion cells MUR DM 117/ NOVAC - Energy storage materials and processes for supercapacitors			
F257357	90	MUR DM 118 - Multiscale characterization of advanced materials and innovative devices for energy transition  MUR DM 117/NEWCLEO - Development of advanced structural materials resistant to liquid lead corrosion for Lead Fast Reactor (LFR) applications  MUR DM 117/NEW CLEO - Development of protective coatings on structural steels for Lead Fast Reactor (LFR) applications  MUR DM 117/NEWCLEO - Development and characterization of coatings for corrosion protection of nuclear fuel claddings in Lead Fast Reactor environment  MUR DM 117/NEWCLEO - Development and characterizations of structural steels welds for Lead Fast Reactor (LFR) applications	--	MUR DM 117/NEW CLEO - Development of protective coatings on structural steels for Lead Fast Reactor (LFR) applications	
F253513	88	DISAT - Water-based production of high energy lithium-ion cells	--	DISAT - Water-based production of high energy lithium-ion cells	
F537725	86	INRIM - Passive radiative emitters for daytime sub-ambient cooling	--	INRIM - Passive radiative emitters for daytime sub-ambient cooling	Ammissione con riserva*  Precede per minor età
F290494	86	MUR DM 118 - Sustainable biocatalytic processes for waste valorization and production of new high value compounds  IIT - Innovative approaches for the production from renewable sources of high-quality bioactive fractions  MUR DM117/AIZOON-Development and optimization of mechanical	--	MUR DM 118 - Sustainable biocatalytic processes for waste valorization and production of new high value compounds	Precede per minor età



User	Punteggio	Idoneità Borse Vincolate	Rinuncia borse	Assegnato	Note
		recycling processes of polyolefins aimed at achieving the requirements set by food-contact			
F490081	86	CNR - 2D thermoelectric materials for wearable electronic	--	CNR - 2D thermoelectric materials for wearable electronic	Precede per minor età
F534855	86	MUR DM 118 - Thermoplasmonic solar membrane distillation for seawater desalination  MUR DM 118 - Next-generation solar cells based on quantum materials  MUR DM 118 - Protection against exposure to nanomaterials  MUR DM 118 - Green hydrogen production with water splitting catalyzed by quantum materials	--	MUR DM 118 - Green hydrogen production with water splitting catalyzed by quantum materials	
F538000	85	MUR DM 118 - Next-generation solar cells based on quantum materials  MUR DM 118 - Green hydrogen production with water splitting catalyzed by quantum materials  MUR DM 117/GEMMATE - Design of photoelectrochemical devices for a direct transformation of sunlight and CO2 into chemicals for energy storage	--	MUR DM 117/GEMMATE - Design of photoelectrochemical devices for a direct transformation of sunlight and CO2 into chemicals for energy storage	
F531879	84	MUR DM 118 - Thermoplasmonic solar membrane distillation for seawater desalination  MUR DM 118 - Next-generation solar cells based on quantum materials  MUR DM 118 - Protection against exposure to nanomaterials  MUR DM 118 - Green hydrogen production with water splitting catalyzed by quantum materials	--	MUR DM 118 - Thermoplasmonic solar membrane distillation for seawater desalination	Ammissione con riserva*
F534557	83.5	MUR DM 118 - Electrochemical conversion of CO2 into added-value chemicals	--	MUR DM 118 - Electrochemical conversion of CO2 into added-value chemicals	Ammissione con riserva*

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User	Punteggio	Idoneità Borse Vincolate	Rinuncia borse	Assegnato	Note
F537276	83	CNR - Sustainable materials for sodium-based battery DISAT - Water-based production of high energy lithium-ion cells	--	CNR - Sustainable materials for sodium-based battery	
F536848	82	MUR DM 117/NEWCLEO - Development of advanced structural materials resistant to liquid lead corrosion for Lead Fast Reactor (LFR) applications  MUR DM 117/NEW CLEO - Development of protective coatings on structural steels for Lead Fast Reactor (LFR) applications  MUR DM 117/NEWCLEO - Development and characterization of coatings for corrosion protection of nuclear fuel claddings in Lead Fast Reactor environment  MUR DM 117/NEWCLEO - Development and characterizations of structural steels welds for Lead Fast Reactor (LFR) applications	--	MUR DM 117/NEWCLEO - Development and characterization of coatings for corrosion protection of nuclear fuel claddings in Lead Fast Reactor environment	Precede per minor età
F532182	82	CNR - Sustainable materials for sodium-based battery  MUR DM 118 - Electrochemical conversion of CO2 into added-value chemicals  IIT - ADVANCED and IN-OPERANDO characterization of catalysts for key reactions (CO2RR, CORR, HER, OER, ORR) in the energetic transition  DISAT - Water-based production of high energy lithium-ion cells  MUR DM 117/ NOVAC - Energy storage materials and processes for supercapacitors	--	IIT - ADVANCED and IN-OPERANDO characterization of catalysts for key reactions (CO2RR, CORR, HER, OER, ORR) in the energetic transition	
F534928	81.5	MUR DM 117/POLLUTION - Development, functionalization and integration of MEMS devices in innovative analytical GCs	--	MUR DM 117/POLLUTION - Development, functionalization and integration of MEMS devices in innovative analytical GCs	



User	Punteggio	Idoneità Borse Vincolate	Rinuncia borse	Assegnato	Note
F536792	77	MUR DM 118 - Utilization of oxygen generated by the electrolysis of water for hydrogen production  MUR DM 118 - Next-generation solar cells based on quantum materials  MUR DM 118 - Green hydrogen production with water splitting catalyzed by quantum materials	--	MUR DM 118 - Utilization of oxygen generated by the electrolysis of water for hydrogen production	
F537873	73.5	MUR DM 118 - Sustainable unconventional materials for energy harvesting and sensing applications by integration of organic and calcogen radical dopant  MUR DM 118 - Next-generation solar cells based on quantum materials  MUR DM 118 - Protection against exposure to nanomaterials  MUR DM 118 - Green hydrogen production with water splitting catalyzed by quantum materials  MUR DM 117/GEMMATE - Design of photoelectrochemical devices for a direct transformation of sunlight and CO2 into chemicals for energy storage	--	MUR DM 118 - Next-generation solar cells based on quantum materials	Ammissione con riserva*  Precede per minor età
F534813	73.5	MUR DM 117/JEOL Spa/Università Roma La Sapienza - Electron diffraction and microscopy for the study of advanced materials for energy transition  IIT - ADVANCED and IN-OPERANDO characterization of catalysts for key reactions (CO2RR, CORR, HER, OER, ORR) in the energetic transition	--	MUR DM 117/JEOL Spa/Università Roma La Sapienza - Electron diffraction and microscopy for the study of advanced materials for energy transition	Ammissione con riserva*
F526560	71	MUR DM 117/JEOL Spa/Università Roma La Sapienza - Electron diffraction and microscopy for the	--	MUR DM 118 - Multiscale characterization of advanced materials and innovative devices for energy transition	



User	Punteggio	Idoneità Borse Vincolate	Rinuncia borse	Assegnato	Note
		study of advanced materials for energy transition  MUR DM 118 - Multiscale characterization of advanced materials and innovative devices for energy transition  MUR DM 117/ NOVAC - Energy storage materials and processes for supercapacitors			

I/le candidati/e vincitori/vincitrici di un posto, già in possesso di tutti i requisiti di ammissione (vedi art. 9 comma 1 del bando di concorso) alla data del 30/09/2023, devono provvedere all'immatricolazione on-line attraverso la procedura Apply **dal 2 ottobre 2023 all'8 ottobre 2023** e devono presentarsi presso gli uffici del Nucleo Dottorato di Ricerca per la seconda fase dell'immatricolazione **dal 9 ottobre 2023 al 20 ottobre 2023**.

I/le candidati/e vincitori/vincitrici di un posto, in possesso di tutti i requisiti di ammissione (vedi art. 9 comma 1 del bando di concorso) alla data del 31/10/2023, devono provvedere all'immatricolazione on-line attraverso la procedura Apply **dal 2 novembre 2023 all'8 novembre 2023** e devono presentarsi presso gli uffici del Nucleo Dottorato di Ricerca per la seconda fase dell'immatricolazione **dal 9 novembre 2023 al 15 novembre 2023**.

I/le vincitori/vincitrici di posti con borsa ai sensi del **DM 117** e del **DM 118** dovranno procedere all'immatricolazione secondo le tempistiche che saranno comunicate direttamente agli interessati dal Nucleo Dottorato di Ricerca, al fine di adempiere agli obblighi di rendicontazione previsti dagli stessi DM.

## CANDIDATI IDONEI

User	Punteggio	Idoneità Borse Vincolate	Rinuncia borse	Assegnato	Note
F537935	84	MUR DM 118 - Computational design of molecular solar thermal fuels	--	--	
F522859	83	CNR - 2D thermoelectric materials for wearable electronic	--	--	
F456356	81	MUR DM 118 - Innovative and sustainable semiconducting materials for ionizing radiation detection  MUR DM 118 - Electrochemical conversion of CO2 into added-value chemicals	--	--	
F536874	74	IIT - Development of low-dimensional material based light-driven nanoscale devices MUR DM 117/GEMMATE - Design of photoelectrochemical devices for a direct	--	--	





User	Punteggio	Idoneità Borse Vincolate	Rinuncia borse	Assegnato	Note
		transformation of sunlight and CO2 into chemicals for energy storage			
F494246	73	MUR DM 117/GEMMATE - Design of photoelectrochemical devices for a direct transformation of sunlight and CO2 into chemicals for energy storage	--	--	Ammissione con riserva*
F474134	72	MUR DM 117/ NOVAC - Energy storage materials and processes for supercapacitors	--	--	Ammissione con riserva* Precede per minor età
F534854	72	MUR DM 117/ JEOL Spa/Università Roma La Sapienza - Electron diffraction and microscopy for the study of advanced materials for energy transition	--	--	
F328748	70	INRIM - Passive radiative emitters for daytime sub-ambient cooling  MUR DM 118 - Innovative and sustainable semiconducting materials for ionizing radiation detection	--		

**Descrizione campo note:**

\* Ammissione sotto condizione in quanto il titolo di II livello non risulta ancora acquisito. L'eventuale immatricolazione al dottorato potrà avvenire solo se tale titolo risulterà acquisito entro il **31/10/2023**, pena l'irrevocabile perdita del diritto di immatricolazione.

Torino, 26/09/2023

SV/cg

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