

Concurso para Projetos de Computação Avançada FCT/CPCA/2021/01- 2ª Edição, 1º lote, 2021
Lista das Candidaturas A2 - Acesso Projeto elegíveis com acesso a Recursos Computacionais
Resultado preliminar

São apresentadas as seguintes listas ordenadas de candidaturas por painel segundo os critérios definidos no aviso de abertura do concurso (ver legenda no final):

P1 – Physics and Mathematics						
Referência	Título / Title	Investigador Responsável	Nota Final	Plataforma	Centro Operacional	Recursos atribuídos
2021.09617.CPCA	Focusing and acceleration of positrons in a plasma channel with an intense laser.	Bertrand Martinez	9,30	Oblivion	HPCUE	100%
2021.09643.CPCA	WHRLeTID: Whys, Hows and Remedies of Light and elevated Temperature Induced Degradation of solar silicon	José Pedro de Abreu Coutinho	9,25	Oblivion	HPCUE	100%
2021.09830.CPCA	Monopoles in 5d pure Yang-Mills and their role in criticality	João Manuel Viana Parente Lopes	8,85	Cirrus-A	INCD	100%
2021.09804.CPCA	Cyclic peptides as potential inhibitors of SARS-COV-2 main protease.	Bruce Forbes Milne	8,83	Navigator	LCAUC	100%
2021.09667.CPCA	Exotic hadrons with functional methods	Gernot Eichmann	8,81	Oblivion	HPCUE	75%
2021.09676.CPCA	Black holes and bosonic fields	Miguel Zilhao	8,71	Navigator	LCAUC	75%
2021.09759.CPCA	High statistical lattice computation of quark and ghost propagators	Paulo de Jesus Henriques da Silva	8,68	Navigator	LCAUC	75%
2021.09820.CPCA	Machine-learned potentials for self-lubricating nanocomposite coatings	Luis Marques	8,51	-	-	s/r
2021.09790.CPCA	Opto-electronic and electron-phonon properties of epitaxial Ge-Si-C superlattices.	Carlos António Loia Santos Reis	8,50	-	-	s/r

2021.09825.CPCA	Dynamical lattice QCD simulations at finite temperature II	Orlando Olavo Neves de Oliveira	8,39	-	-	s/r
2021.09770.CPCA	Neutronics Simulations for DEMO Diagnostics	Raul Luís	8,35	-	-	s/r
2021.09824.CPCA	Magneto Plasmons in Graphene Nanodisks, an Ab initio study.	Jaime Pedro Oliveira da Silva	8,35	-	-	s/r
2021.09827.CPCA	Simulated Guided Growth of Dion-Jacobson Energy Efficient Materials	Armandina Maria Lima Lopes	8,20	-	-	s/r
2021.09730.CPCA	Strongly Interacting Many Body Quantum System In- and Out-of-Equilibrium	Pedro Ribeiro	8,08	-	-	s/r
2021.09672.CPCA	Reaction mechanism of HYDROgen evolution CATalysed by hematane (HYDROCAT)	Estelina Lora da Silva	7,88	-	-	s/r
2021.09810.CPCA	Reflectometry plasma tracking during ramp-up/ramp-down: Application to DEMO	Filipe José Manuel da Silva	7,85	-	-	s/r
2021.09614.CPCA	Spin and charge dynamics of Novel 2D Materials and heterostructures	António Tavares da Costa Junior	7,73	-	-	s/r
2021.09819.CPCA	Generation of magnetic field by thermal convection of an electrically conducting fluid in a horizontal rotating layer	Sílvio Marques de Almeida Gama	7,46	-	-	s/r
2021.09811.CPCA	Investigation of multi-antenna cluster propagation for the DTT tokamak plasma position reflectometer	Jorge Manuel Baptista dos Santos	6,83	-	-	s/r
P2 – Chemistry and Materials						
Referência	Título / Title	Investigador Responsável	Nota Final	Plataforma	Centro Operacional	Recursos atribuídos
2021.09622.CPCA	Towards Novel Graphenic Materials for Electronics	Manuel Melle Franco	9,30	Navigator	LCAUC	100%
2021.09752.CPCA	Optimization of Validated SARS-CoV-2 Antivirals against the New Emerging Variants	Sérgio Filipe Maia de Sousa	9,16	Cirrus-A	INCD	100%
2021.09644.CPCA	Structure and dynamics of mono and bilayers subjected to external agents	Luís Filipe Guerreiro Martins	8,99	Oblivion	HPCUE	100%
2021.09741.CPCA	RepDrugCancer – Repurposing drugs to tackle cancer diseases	Hugo Alexandre Louro Filipe	8,96	Navigator	LCAUC	100%
2021.09828.CPCA	Net4CO2: Research and Development of NetMIX devices for low and zero carbon technologies via CFD simulations	José Carlos Brito Lopes	8,89	Oblivion	HPCUE	75%

Referência	Título / Title	Investigador Responsável	Nota Final	Plataforma	Centro Operacional	Recursos atribuídos
2021.09821.CPCA	Studies on the human Pgp folding	Daniel José Viegas dos Santos	8,88	Navigator	LCAUC	75%
2021.09753.CPCA	The mechanism of action of the sPLA2-like toxin of viper venom.	Pedro Manuel Alexandrino Fernandes	8,81	Oblivion	HPCUE	75%
2021.09807.CPCA	Predicting druggability of poorly studied therapeutic targets using pocket similarity and druggability probes	Rita Alexandra Cardoso Guedes	8,54	-	-	s/r
2021.09799.CPCA	Structural, energetic and catalytic properties of vacancy defects in MXene surfaces	José Richard Baptista Gomes	8,46	-	-	s/r
2021.09785.CPCA	SiSEs systems for safe energy storage: Multiscale Theoretical Approach	Iuliia Voroshylova	8,43	-	-	s/r
2021.09735.CPCA	Unveiling the capacity of Poly(oxyethylene) alkyl ethers C ₁₂ E ₃ surfactants for oil extraction in silica/water environments through coarse-grain molecular dynamic simulations	German Perez Sanchez	8,40	-	-	s/r
2021.09728.CPCA	Protein Design in Biotechnology and Health	Alexandra Teresa Pires Carvalho	8,33	-	-	s/r
2021.09822.CPCA	In-silico study of intermolecular interactions between acid sites of zeolite external surfaces and probe molecules	Luís Mafra	8,10	-	-	s/r
2021.09714.CPCA	Molecular simulation of nanocomposites based on silica aerogels, carbon nanotubes, graphene, and graphene oxide	Pedro Nuno Neves Lopes Simões	8,04	-	-	s/r
2021.09623.CPCA	CO ₂ Capture and Storage using Water: a Paradigm for Clean Energy Production	Fernando Jorge Araújo Lino da Cruz	7,78	-	-	s/r
2021.09765.CPCA	SATRAP-PLUS: Self-Assembling networks for TRansparent electrode APplications - PLasma UnSealing	Sergey Pyrlin	7,63	-	-	s/r
2021.09818.CPCA	Ionic hydrogels for technological applications– a molecular dynamics simulation study	Rafaela Nascimento Martins	7,32	-	-	s/r
2021.09639.CPCA	Exploring microsolvation of ions by employing electronic structure calculations and molecular dynamics simulations	Jorge Manuel Campos Marques	7,03	-	-	s/r
2021.09747.CPCA	Corrosion inhibitors on Al(111) for Machine Learning data, a new protective solution	Gerard Novell-Leruth	5,50	-	-	s/r

P3 - Engineering and Technology

Referência	Título / Title	Investigador Responsável	Nota Final	Plataforma	Centro Operacional	Recursos atribuídos
2021.09688.CPCA	SINATRA - Intelligent System to support the INundation and bAthing waTeR quality management in coAstal cities	Marta Filipa Gomes Rodrigues	9,46	Oblivion	HPCUE	100%
2021.09764.CPCA	High-Velocity Water Jets: Combined CFD and Experimental Approaches to Characterize the Scouring Process	António Muralha	8,91	Cirrus-A	INCD	75%
2021.09817.CPCA	Analysis of the turbulent entrainment in wakes by means of direct numerical simulations	Carlos Frederico Bettencourt da Silva	8,85	Navigator	LCAUC	75%
2021.09823.CPCA	Exploitation of Open-Source Computational Fluid Dynamics in HPC Systems	João Miguel Novais da Costa Nóbrega	8,84	-	-	s/r
2021.09784.CPCA	CFD-DEM combined with Machine Learning models for simulation of particle-laden viscoelastic fluid flows	Célio Bruno Pinto Fernandes	8,55	-	-	s/r
2021.09626.CPCA	Free and Plunging Jet-induced Circulation in Cylindrical Water Storage Tanks	Nuno Miguel Conceição Martins	7,80	-	-	s/r
2021.09711.CPCA	Horses's lameness recognition through artificial intelligence	João Pedro Carvalho	-	-	-	Não admitida

P4 – Life and Health Sciences

Referência	Título / Title	Investigador Responsável	Nota Final	Plataforma	Centro Operacional	Recursos atribuídos
2021.09795.CPCA	Population genomics of hybridization and adaptation: combining new bioinformatic methods with omics data from endemic Iberian freshwater fish	Vitor Martins Conde e Sousa	9,31	Cirrus-A	INCD	100%
2021.09635.CPCA	A fast deep learning approach to improve protein pKa predictions	Miguel Machuqueiro	9,22	Navigator	LCAUC	75%
2021.09782.CPCA	Understanding non-B mtDNA conformations using molecular dynamics simulations	João Miguel Sotto Maior Faria Carneiro	8,86	Cirrus-A	INCD	75%
2021.09731.CPCA	Structure-based database screening to support decision-making for endocrine disruptor identification	Bruno Lourenço da Silva Vítor	8,53	Cirrus-A	INCD	75%
2021.09798.CPCA	Stargazin and Kv7.2 complex formation and its role in psychiatric disorders	Irina de Sousa Moreira	8,24	-	-	s/r

2021.09800.CPCA	Assessing genotype-phenotype relationships in Mendelian diseases and de novo mutations through the combination of in silico methods of pathogenicity prediction with computational simulations.	Carla Sílvia Silva Teixeira	8,22	-	-	s/r
2021.09739.CPCA	Uncovering the abnormal cognitive decline in aging through behavioral and neuroimaging data.	Andre Salles Cunha Peres	7,25	-	-	s/r
P5 – Earth and Environmental Sciences						
Referência	Título / Title	Investigador Responsável	Nota Final	Plataforma	Centro Operacional	Recursos atribuídos
2021.09680.CPCA	Atmospheric Flows over Complex Terrain	José Manuel Laginha da Palma	9,15	Navigator	LCAUC	100%
2021.09815.CPCA	Direct numerical simulations of large-scale magnetic fields	Roman Chertovskikh	8,03	Oblivion	HPCUE	75%
2021.09701.CPCA	CoastNet Research Infrastructure: The Coastal Monitoring Network	Paola Castellano	7,53	Cirrus-A e Stratus	INCD	75%
2021.09809.CPCA	ForecastingMOSAIC	Gonçalo João Vitorino de Jesus	7,26	-	-	s/r
P6 – Social and Economic Sciences						
Referência	Título / Title	Investigador Responsável	Nota Final	Plataforma	Centro Operacional	Recursos atribuídos
2021.09640.CPCA	Predicting economic decisions from brain structure	Fredrik Bergström	9,00	Navigator	LCAUC	100%
2021.09761.CPCA	ContentMAP: fMRI brain-mapping of object knowledge	Jon Walbrin	8,20	Navigator	LCAUC	75%

Legenda da tabela

Referência referência FCT da candidatura.

Título / Title Título do projeto no qual se insere a candidatura.

Investigador Responsável nome do investigador principal.

Nota Final Nota final atribuída à candidatura após avaliação técnica e científica de acordo com o Aviso de Abertura do presente Concurso.

Plataforma plataforma atribuída à candidatura.

Centro Operacional Centro Operacional atribuído à candidatura.

LCAUC: Laboratório de Computação Avançada da U. Coimbra

HPC-UE: High Performance Computing da U. Évora

INCD: Infraestrutura Nacional de Computação Distribuída

Recursos atribuídos percentagem de recursos atribuídos face ao pedido na candidatura.

100%: atribuição de 100% dos recursos computacionais solicitados na candidatura. De acordo com o aviso de abertura de concurso as 20% candidaturas mais bem classificadas terão até 100% dos recursos computacionais solicitados.

75%: atribuição de 75% dos recursos computacionais solicitados na candidatura. De acordo com o aviso de abertura de concurso as 40% candidaturas mais bem classificadas, a seguir às 20% mais bem classificadas, terão até 75% dos recursos computacionais solicitados

s/r: sem recursos computacionais disponíveis, sendo elegível para eventual alocação futura, caso venha a existir capacidade computacional adicional.

Não admitida: não cumpriu os recursos mínimos para Acesso Projeto definidos no Aviso de Abertura do Concurso.