## Content

List of participants
Programme
BRIDGING ULTRAHIGH VACUUM SURFACE SCIENCE AND ELECTROCHEMISTRY A FIRST STEP
CAN C <sub>3</sub> N <sub>4</sub> FULFILL OUR DREAM OF AN EFFICIENT VISIBLE-LIGHT ACTIVE PHOTOCATALYST?
PROMISING TiO2-Bi2O3 COMPOSITE PHOTOCATALYST - EPR STUDY
TiO <sub>2</sub> AND BaTiO <sub>3</sub> NANOPARTICLES: GAS PHASE FUNCTIONALIZATION AND SEPARATION OF PHOTOGENERATED CHARGES
PEROVSKITE PHOTOVOLTAICS: INPUTS FROM ELECTROCHEMISTRY16
SURFACE STRUCTURE AND REACTIVITY OF CUBIC PEROVSKITES
GASEOUS NANOBUBBLE ASSEMBLIES ON WATER-IMMERSED SOLID SURFACES
TiO <sub>2</sub> THIN FILMS WITH BLOCKING FUNCTION FOR APPLICATIONS IN SOLAR CELLS
EPR STUDY OF PHOTOINDUCED PROCESSES OF NOBLE-METAL DECORATED TITANIUM DIOXIDE PHOTOCATALYSTS
HYDROGEN DERIVED ELECTRON CENTERS IN TiO <sub>2</sub> : REACTIVITY AND IMPACT ON PHOTOELECTRODE PERFORMANCE
TiO2 NANOTUBULAR PHOTOANODES: PREPARATION AND PROPERTIES22
PHOTOCATALYTIC REMOVAL OF NO <sub>x</sub> ON TiO <sub>2</sub> /ACTIVE CARBON COMPOSITE PHOTOCATALYST23
INFLUENCE OF VOLATILISATION ON THE OXIDATIVE TREATMENT OF CYANIDE WASTE ILLUSTRATED BY PHOTOELECTROCATALYTIC DEGRADATION USING TiO <sub>2</sub> 24
N-La/TiO <sub>2</sub> PHOTOCATALYSTS FOR PHOTOCATALYTIC DECOMPOSITION OF METHANOL-WATER SOLUTION
COMPOSITE CATALYSTS BASED ON TiO2 FOR WATER TREATMENT26
STUDY OF DEGRADATION MECHANISMS IN THE CAPACITIVE DEIONIZATION TECHNOLOGY
MORPHOLOGY OPTIMIZATION OF LiNi <sub>1/3</sub> Mn <sub>1/3</sub> Co <sub>1/3</sub> O <sub>2</sub> CATHODE MATERIAL FOR 48 V 3D Li-ACCUMULATOR28
OXYGEN ELECTRODE DEGRADATION AND REACTIONS KINETIC PARAMETERS IN REVERSIBLE SOLID OXIDE CELL29
PREPARATION OF SULPHUR DOPED GRAPHITIC CARBON NITRIDE USING DIFFERENT TECHNIQUES

PREPARATION AND PROPERTIES OF PHOTOCATALYTICALLY ACTIVE TiO <sub>2</sub> -SiO <sub>2</sub> COATINGS
Mo-BiVO <sub>4</sub> PHOTOANODES MODIFIED BY Co-Pi FOR PHOTOELECTROCHEMICAL APPLICATION
Fe <sub>2</sub> O <sub>3</sub> BASED SEMICONDUCTOR PHOTOANODES FOR LIGHT ASSISTED WATER ELECTROLYSIS
SCALABLE PHOTOANODES FOR PHOTOELECTROCHEMICAL WATER-SPLITTING
CATALYST COATED MEMBRANE - NEW APPROACH IN THE ALKALINE WATER ELECTROLYSIS PROCESS
NiCoPx CATALYST FOR ELECTROCHEMICAL WATER SPLITTING: ACTIVITY AND STABILITY UNDER THE ALKALINE WATER ELECTROLYSIS CONDITIONS 36
ELECTROCHEMICAL REMOVAL OF ORGANIC POLUTANTS FROM PROCESS WATER
LIGHT INDUCED CHARGE SEPARATION AND COMPETITIVE DEACTIVATION PROCESSES IN METAL OXIDE NANOSTRUCTURES
FIOW-FIELD GEOMETRY AND ITS IMPACT ON THE PEM FUEL CELL PERFORMANCE